






















M5 pentafast	B	
M8 picofast	C	
M12 eurofast	D	
1/2-20 microfast	E	
7/8, 1", 1 1/8 and 1 3/8 minifast	F	
M16 versafast	G	
M23 multifast	H	
powerfast	J	
EtherNet	K	
PROFINET	L	
DeviceNet™	M	
FOUNDATION™ Fieldbus	N	
PROFIBUS® -DP/PA	P	
AS-interface®	R	
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Valve Plugs	T	
Accessories	U	
Splitters	V	
Reference	W	
reelfast	X	
Index	Y	

Notes:

Part Number Keys	B2
Cordsets	B4
Receptacles	B5

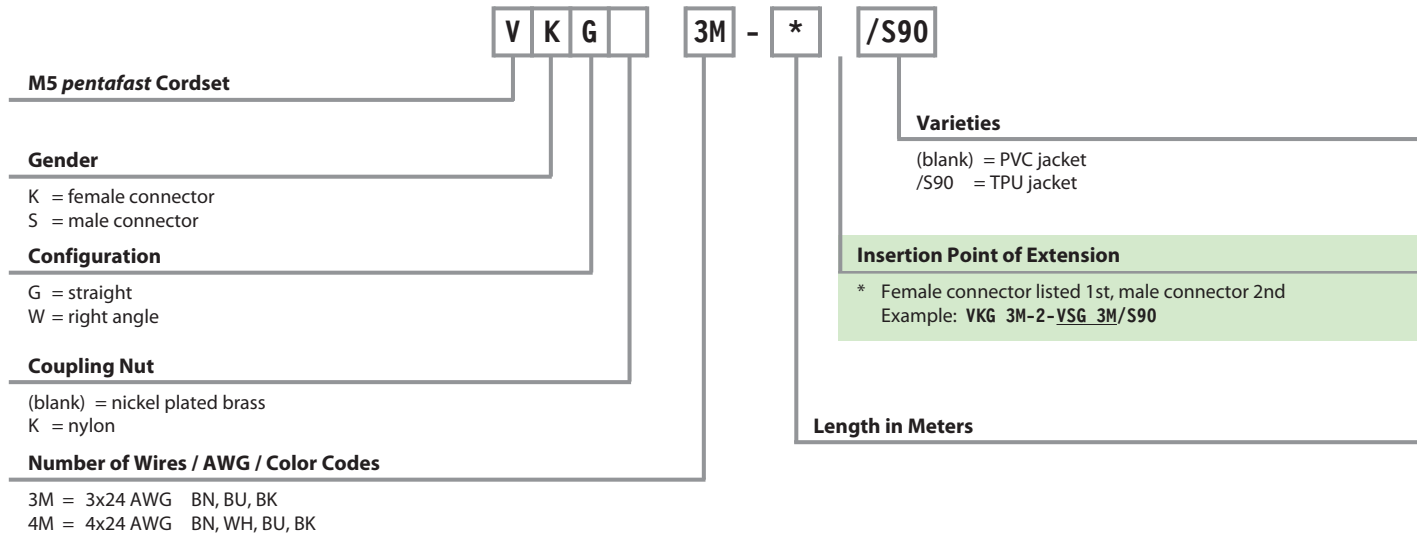
Features

- Small space-saving size
- 3 and 4 conductor options
- PVC and TPU cable offerings
- Nickel plated brass
- Keyway indicator on straight connectors



Cordset Part Number Key

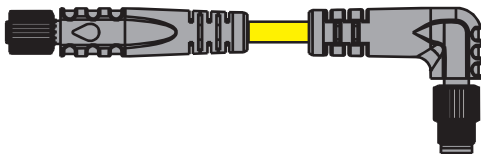
Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



Extension Examples:



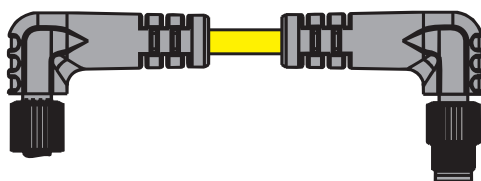
V K G | 3M - 2 - V S G | 3M | /S90



V K G | 3M - 2 - V S W | 3M | /S90



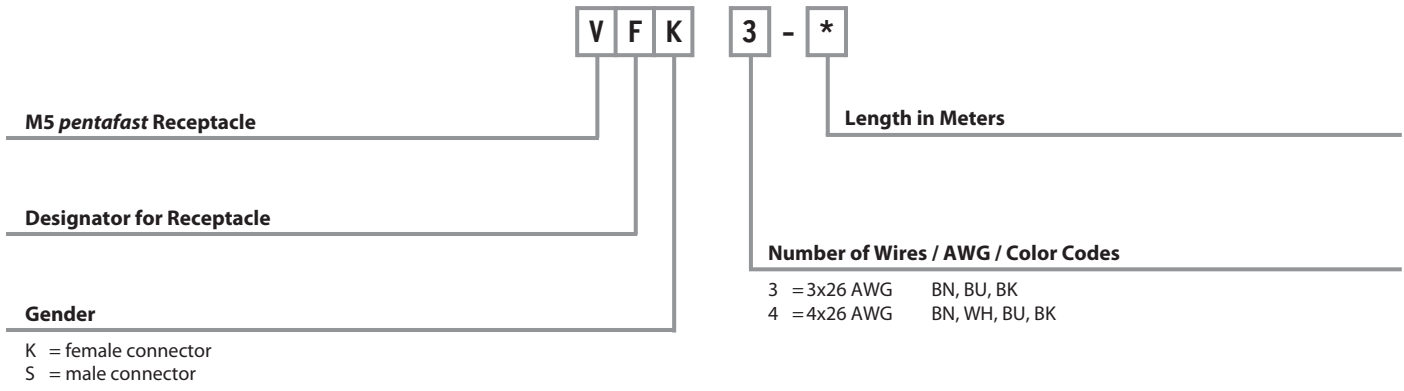
V K W | 3M - 2 - V S G | 3M | /S90



V K W | 3M - 2 - V S W | 3M | /S90

Receptacle Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



pentafast

3 and 4-Wire Cordsets

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 125 V, 1 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>VKG ..</p>	<p>VKG 3M-*/S90 VKW 3M-*/S90</p>	<p>VSG 3M-*/S90 VSW 3M-*/S90</p>	<p>Yellow TPU, 3x24 AWG, 90°C, 3.8mm OD, Cable #RF51254-*M†, 3-wire DC applications</p>	<p>Female</p> <p>Male</p>
<p>VKW ..</p>	<p>VKG 3M-* VKW 3M-*</p>	<p>VSG 3M-* VSW 3M-*</p>	<p>Yellow PVC, 3x24 AWG, 105°C, 3.8mm OD, Cable #RF51253-*M†, 3-wire DC applications</p>	<p>1. BN 2. N/C 3. BU 4. BK</p>
<p>VSG ..</p>	<p>VKG 4M-*/S90 VKW 4M-*/S90</p>	<p>VSG 4M-*/S90 VSW 4M-*/S90</p>	<p>Yellow TPU, 4x24 AWG, 80°C, 3.8mm OD, Cable #RF51256-*M†, 4-wire DC applications</p>	<p>Female</p> <p>Male</p>
<p>VSW ..</p>	<p>VKG 4M-* VKW 4M-*</p>	<p>VSG 4M-* VSW 4M-*</p>	<p>Yellow TPU, 4x24 AWG, 105°C, 3.8mm OD, Cable #RF51255-*M†, 4-wire DC applications</p>	<p>1. BN 2. WH 3. BU 4. BK</p>

* Length in meters. Standard cable lengths are 2, 3, 4 and 6 meters. Consult factory for other lengths.
Standard coupling nut material is nickel plated brass.

† See Section N for **reelfast**® cable information.

3 and 4-Wire Receptacles

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 125 V, 1 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>VFK..</p> <p>Typical panel cutout is 5.1 mm</p>	VFK 3-*	VFS 3-*	3x26 AWG, 80° C, mates with 3-pin cordsets	<p>Female</p> <p>Male</p>
<p>VFS..</p> <p>Typical panel cutout is 5.1 mm</p>	VFK 4-*	VFS 4-*	4x26 AWG, 80° C, mates with 4-pin cordsets	<p>Female</p> <p>Male</p>

Receptacles

* Length in meters. Standard lead lengths are 2, 3, 4 and 6 meters. Consult factory for other lengths. Standard housing material is nickel plated brass.

Notes:

Part Number Keys	C2
Cordsets	C4
Receptacles	C16
Field Wireables	C24
Inserts	C29
Closure Caps	C32

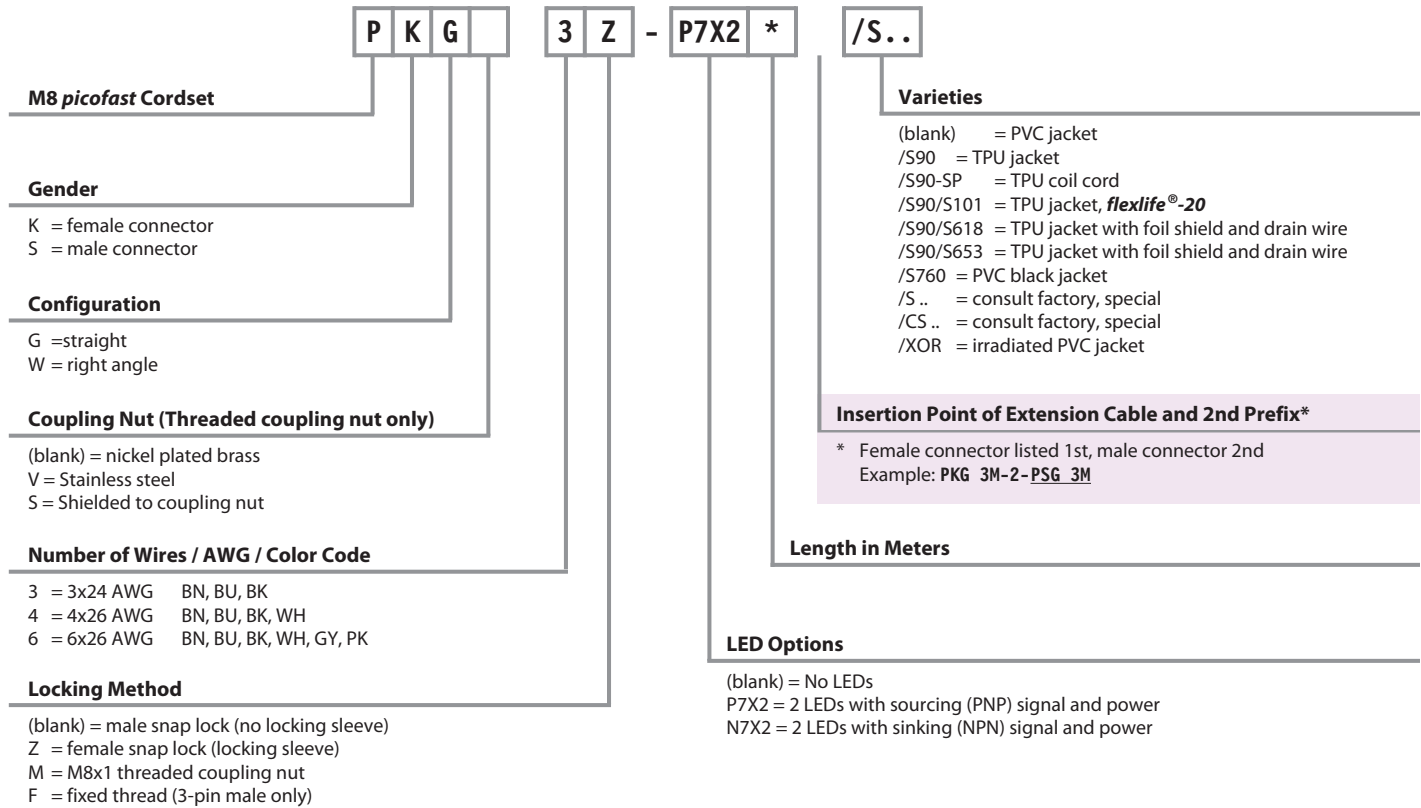
Features

- 3, 4 and 6 pins
- Threaded or snap mating
- Nickel-brass or stainless steel materials
- Straight and angled connectors
- LED options
- Receptacles with leads or PCB pins



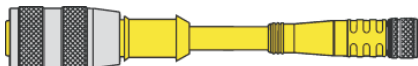
Cordset Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.

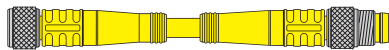


Extension Examples:

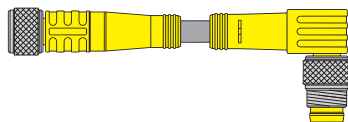
Hybrid connector extensions also available. Consult factory.



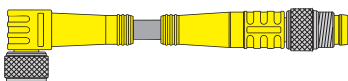
R K 4.4 T - 2 - P K G 4 M



P K G 3 M - 2 - P S G 3 M



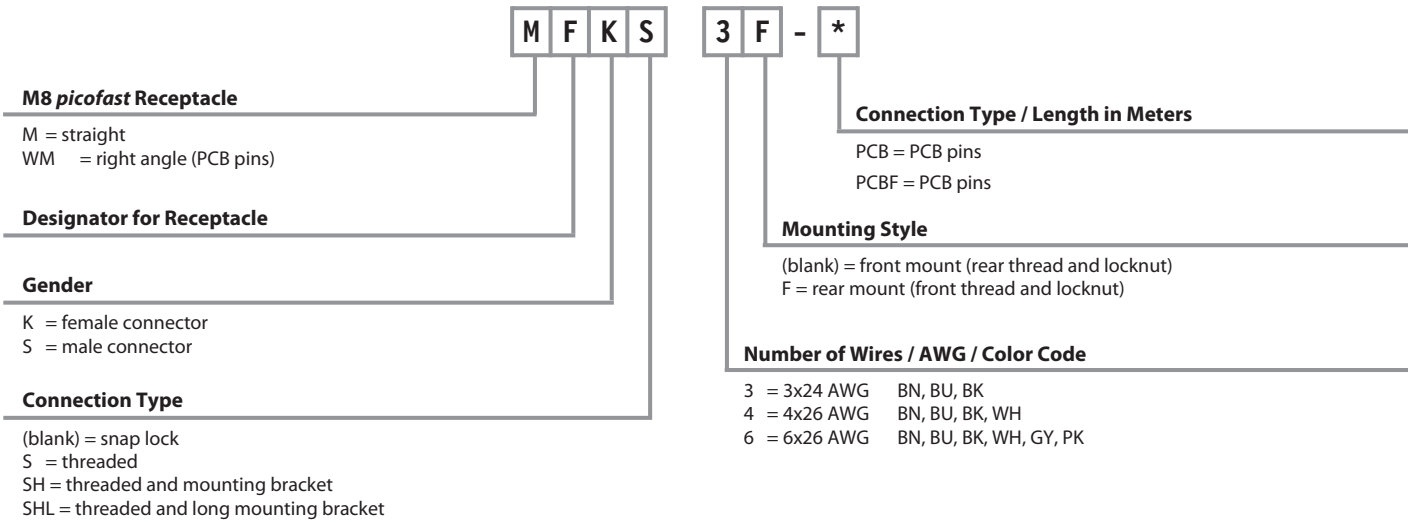
P K G 3 M - 2 - P S W 3 M



P K W 3 M - 2 - P S G 3 M

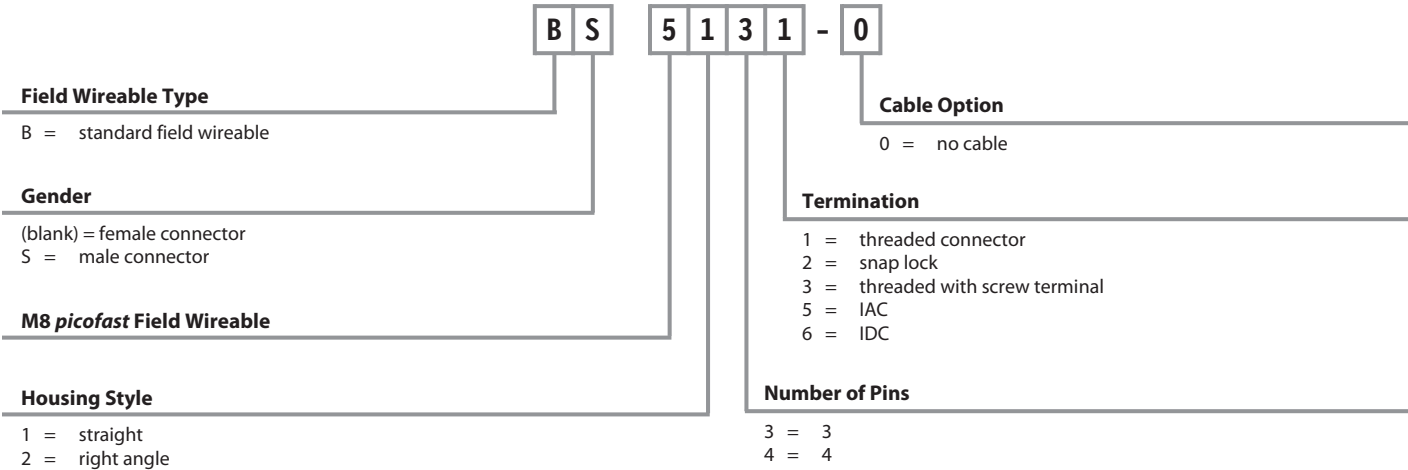
Receptacle Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



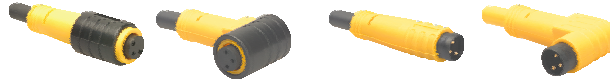
picofast

Field Wireable Part Number Key



3-Wire Cordsets, Snap Lock (Locking Sleeve)

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 125 V, 4 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>PKG ..Z**</p>	<p>PKG 3Z-* PKW 3Z-*</p>	<p>PSG 3-* PSW 3-*</p>	<p>AWM, PVC Yellow, 3x24 AWG, 105°C, 4.4 mm OD, Cable #RF50642-*M†, flexlife*</p>	<p>Female</p> <p>Male</p> <p>1. BN 3. BU 4. BK</p>
<p>PKW ..Z**</p>	<p>PKG 3Z-*/S90 PKW 3Z-*/S90</p>	<p>PSG 3-*/S90 PSW 3-*/S90</p>	<p>AWM, TPU Black, 3x24 AWG, 90°C, 4.4 mm OD, Cable #RF50587-*M†, Cut/Abrasion Immune</p>	
<p>PKG 3Z-*/S90/S101 PKW 3Z-*/S90/S101</p>	<p>PSG 3-*/S90/S101 PSW 3-*/S90/S101</p>	<p>AWM, TPU Black, 3x24 AWG, 90°C, 4.5 mm OD, Cable #RF51166-*M†, Cut/Abrasion Immune, flexlife-20, High Flex - Over 20 Million Cycles</p>		
<p>PSG ..</p>	<p>PKG 3Z-*/S90/S618 PKW 3Z-*/S90/S618</p>	<p>PSG 3-*/S90/S618 PSW 3-*/S90/S618</p>	<p>AWM, TPU Black, 3x24 AWG, 90°C, 4.4 mm OD, Cable #RF50601-*M†, Cut/Abrasion Immune, EMI/RFI Protection</p>	
<p>PSW ..</p>	<p>PKG 3Z-*/XOR PKW 3Z-*/XOR</p>	<p>PSG 3-*/XOR PSW 3-*/XOR</p>	<p>PVC Orange, 3x24 AWG, 80°C, 250°C short term, 4.4 mm OD, Cable #RF04449-*M†, Weld Flash Immune, High Temp. Immune</p>	
<p>PKG 3Z-*/S760 PKW 3Z-*/S760</p>	<p>PSG 3-*/S760 PSW 3-*/S760</p>	<p>AWM, PVC Black, 3x24 AWG, 105°C, 4.4 mm OD, Cable #RF50585-M†, flexlife*</p>		

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters.

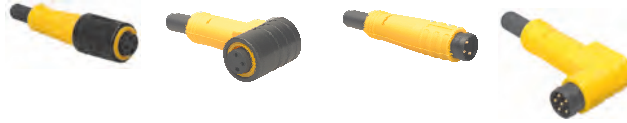
** Locking sleeve material is POM.. "PKG..Z".

† See Section N for **reelfast** cable information.



4-Wire Cordsets, Snap Lock (Locking Sleeve)

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 125 V, 2 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>PKG ..Z**</p>	<p>PKG 4Z-* PKW 4Z-*</p>	<p>PSG 4-* PSW 4-*</p>	<p>AWM, PVC Yellow, 4x26 AWG, 105°C, 4.4 mm OD, Cable #RF50697-*M†, flexlife*</p>	<p>Female</p> <p>Male</p>
<p>PKW ..Z**</p>	<p>PKG 4Z-*/S90 PKW 4Z-*/S90</p>	<p>PSG 4-*/S90 PSW 4-*/S90</p>	<p>AWM, TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50586-*M†, Cut/Abrasion Immune</p>	
<p>PKG 4Z-*/S90/S101 PKW 4Z-*/S90/S101</p>	<p>PSG 4-*/S90/S101 PSW 4-*/S90/S101</p>	<p>AWM, TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50935-*M†, Cut/Abrasion Immune, flexlife-20, High Flex - Over 20 Million Cycles</p>	<p>1. BN 2. WH 3. BU 4. BK</p>	
<p>PKG 4Z-*/S90/S618 PKW 4Z-*/S90/S618</p>	<p>PSG 4-*/S90/S618 PSW 4-*/S90/S618</p>	<p>AWM, TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50602-*M†, Cut/Abrasion Immune, EMI/RFI Protection</p>		
<p>PKG 4Z-*/S760 PKW 4Z-*/S760</p>	<p>PSG 4-*/S760 PSW 4-*/S760</p>	<p>AWM, PVC Black, 4x26 AWG, 105°C, 4.4 mm OD, Cable #RF50870-*M†, flexlife</p>		
<p>PKG 4Z-*/S90/S653 PKW 4Z-*/S90/S653</p>	<p>PSG 4-*/S90/S653 PSW 4-*/S90/S653</p>	<p>AWM, TPU Black, 3x24 AWG, 90°C, 4.4 mm OD, Cable #RF50601-*M†, Cut/Abrasion Immune, EMI/RFI Protection</p>	<p>1. BN 2. Drain 3. BU 4. BK</p>	

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters.
 ** Locking sleeve material is POM.. "PKG..Z".
 † See Section N for **reelfast**™ cable information.

Cordsets

6-Wire Cordsets, Snap Lock (Locking Sleeve)

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 125 V, 2 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>PKG ..Z**</p>	<p>PKG 6Z-* PKW 6Z-*</p>	<p>PSG 6-* PSW 6-*</p>	<p>AWM, PVC Yellow, 6x26 AWG, 105°C, 4.5 mm OD, Cable #RF50734-*M†, flexlife®</p>	<p>Female</p> <p>1. BN 2. WH 3. BU 4. BK 5. GY 6. PK</p> <p>Male</p>
<p>PKW ..Z**</p>	<p>PKG 6Z-*/S90 PKW 6Z-*/S90</p>	<p>PSG 6-*/S90 PSW 6-*/S90</p>	<p>AWM, TPU Black, 6x26 AWG, 90°C, 4.5 mm OD, Cable #RF50735-*M†, Cut/Abrasion Immune</p>	
<p>PSG ..</p>	<p>PKG 6Z-*/S90/S618 PKW 6Z-*/S90/S618</p>	<p>PSG 6-*/S90/S618 PSW 6-*/S90/S618</p>	<p>AWM, TPU Black, 6x26 AWG, 90°C, 4.5 mm OD, Cable #RF51144-M†, Cut/Abrasion Immune EMI/RFI Protection</p>	
<p>PSW ..</p>	<p>PKG 6Z-*/S760 PKW 6Z-*/S760</p>	<p>PSG 6-*/S760 PSW 6-*/S760</p>	<p>AWM, PVC Black, 6x26 AWG, 105°C, 4.5 mm OD, Cable #RF51083-*M†, flexlife®</p>	

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters.

** Locking sleeve material is POM.."PKG..Z".

† See Section N for **reelfast**® cable information.



3-Wire Cordsets, Threaded Coupling Nut

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 125 V, 4 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>PKG ..M**</p>	<p>PKG 3M-* PKW 3M-*</p>	<p>PSG 3M-* PSW 3M-*</p>	<p>AWM, PVC Yellow, 3x24 AWG, 105°C, 4.4 mm OD, Cable #RF50642-*M†, flexlife*</p>	<p>Female</p> <p>1. BN 3. BU 4. BK</p>
<p>PKW ..M**</p>	<p>PKG 3M-*/S90 PKW 3M-*/S90</p>	<p>PSG 3M-*/S90 PSW 3M-*/S90</p>	<p>AWM, TPU Black, 3x24 AWG, 90°C, 4.4 mm OD, Cable #RF50587-*M†, Cut/Abrasion Immune</p>	
<p>PKG 3M-*/S90/S101 PKW 3M-*/S90/S101</p>	<p>PSG 3M-*/S90/S101 PSW 3M-*/S90/S101</p>	<p>AWM, TPU Black, 3x24 AWG, 90°C, 4.5 mm OD, Cable #RF51166-*M†, Cut/Abrasion Immune, flexlife-20, High Flex - Over 20 Million Cycles</p>		
<p>PKG 3M-*/S90/S618 PKW 3M-*/S90/S618</p>	<p>PSG 3M-*/S90/S618 PSW 3M-*/S90/S618</p>	<p>AWM, TPU Black, 3x24 AWG, 90°C, 4.4 mm OD, Cable #RF50601-*M†, Cut/Abrasion Immune, EMI/RFI Protection</p>		
<p>PKG 3M-*/S1587 PKW 3M-*/S1587</p>	<p>PSG 3M-*/S1587 PSW 3M-*/S1587</p>	<p>AWM, TPE Yellow, 3x24 AWG, 105°C, 4.4 mm OD, Cable #RF51271-*M†, weldlife*, Weld Flash Immune</p>		
<p>PKG 3M-*/S760 PKW 3M-*/S760</p>	<p>PSG 3M-*/S760 PSW 3M-*/S760</p>	<p>AWM, PVC Black, 3x24 AWG, 4.4 mm OD, Cable #RF50585-M†, flexlife</p>		
<p>PKG 3M-*/S90/S1084 PKW 3M-*/S90/S1084</p>	<p>PSG 3M-*/S90/S1084 PSW 3M-*/S90/S1084</p>	<p>AWM, TPU Black, 2x24 AWG, 90°C, 4.4 mm OD, Cable #RF51197-*M†, Cut/Abrasion Immune, Shielded</p>		
<p>PKG 3M-*/XOR PKW 3M-*/XOR</p>	<p>PSG 3M-*/XOR PSW 3M-*/XOR</p>	<p>PVC, Orange, 3x24 AWG, 80°C, 250°C short term, 4.4 mm OD, Cable #RF04449-*M†, Weld Flash Immune, High Temp. Immune</p>	<p>Male</p> <p>1. BN 3. BU 4. BK</p>	
<p>PKG 3M-*/S90/S618 PKW 3M-*/S90/S618</p>	<p>PSG 3M-*/S90/S618 PSW 3M-*/S90/S618</p>	<p>AWM, PVC Yellow, 3x24 AWG, 105°C, 4.4 mm OD, Cable #RF50642-*M†, Fixed coupling nut</p>		

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters.
 ** Standard coupling material is nickel plated brass. "PKG.M"; "PKG.V.M" indicates stainless steel.
 † See Section N for **reelfast**® cable information.

Cordsets

4-Wire Cordsets, Threaded Coupling Nut

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 125 V, 2 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>PKG ..M**</p>	<p>PKG 4M-* PKW 4M-*</p>	<p>PSG 4M-* PSW 4M-*</p>	<p>AWM PVC Yellow, 4x26 AWG, 105°C, 4.4 mm OD, Cable #RF50697-*M†, flexlife*</p>	
<p>PKW ..M**</p>	<p>PKG 4M-*/S90 PKW 4M-*/S90</p>	<p>PSG 4M-*/S90 PSW 4M-*/S90</p>	<p>AWM TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50586-*M†, Cut/Abrasion Immune</p>	<p>Female</p>
<p>PKG 4M-*/S90/S101 PKW 4M-*/S90/S101</p>	<p>PKG 4M-*/S90/S101 PKW 4M-*/S90/S101</p>	<p>PSG 4M-*/S90/S101 PSW 4M-*/S90/S101</p>	<p>AWM TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50935-*M†, Cut/Abrasion Immune, flexlife-20, High Flex - Over 20 Million Cycles</p>	
<p>PSG ..M**</p>	<p>PKG 4M-*/S90/S618 PKW 4M-*/S90/S618</p>	<p>PSG 4M-*/S90/S618 PSW 4M-*/S90/S618</p>	<p>AWM TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50602-*M†, Cut/Abrasion Immune, EMI/RFI Protection</p>	<p>1. BN 2. WH 3. BU 4. BK</p>
<p>PSW ..M**</p>	<p>PKG 4M-*/S760 PKW 4M-*/S760</p>	<p>PSG 4M-*/S760 PSW 4M-*/S760</p>	<p>AWM PVC Black, 4x26 AWG, 105°C, 4.4 mm OD, Cable #RF50870-*M†, flexlife</p>	<p>Male</p>
<p>PKG 4M-*/S90/S653 PKW 4M-*/S90/S653</p>	<p>PKG 4M-*/S90/S653 PKW 4M-*/S90/S653</p>	<p>PSG 4M-*/S90/S653 PSW 4M-*/S90/S653</p>	<p>AWM TPU Black, 3x24 AWG, 90°C, 4.4 mm OD, Cable #RF50601-*M†, Cut/Abrasion Immune, EMI/RFI Protection</p>	

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters.
 ** Standard coupling material is nickel plated brass.. "PKG..M"; "PKG..M" indicates stainless steel.
 † See Section N for **reelfast** cable information.



6-Wire Cordsets, Threaded Coupling Nut

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 125 V, 2 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>PKG ..M**</p>	<p>PKG 6M-* PKW 6M-*</p>	<p>PSG 6M-* PSW 6M-*</p>	<p>AWM PVC Yellow, 6x26 AWG, 105°C, 4.5 mm OD, Cable #RF50734-*M†, flexlife*</p>	<p>Female</p> <p>1. BN 2. WH 3. BU 4. BK 5. GY 6. PK</p> <p>Male</p>
<p>PKW ..M**</p>	<p>PKG 6M-*/S90 PKW 6M-*/S90</p>	<p>PSG 6M-*/S90 PSW 6M-*/S90</p>	<p>AWM TPU Black, 6x26 AWG, 90°C, 4.5 mm OD, Cable #RF50735-*M†, Cut/Abrasion Immune</p>	
<p>PSG ..M**</p>	<p>PKG 6M-*/S760 PKW 6M-*/S760</p>	<p>PSG 6M-*/S760 PSW 6M-*/S760</p>	<p>AWM PVC Black, 6x26 AWG, 105°C, 4.5 mm OD, Cable #RF51083-*M†, flexlife</p>	
<p>PSW ..M**</p>	<p>PKG 6M-*/S90/S618 PKW 6M-*/S90/S618</p>	<p>PSG 6M-*/S90/S618 PSW 6M-*/S90/S618</p>	<p>AWM TPU Black, 6x26 AWG, 90°C, 4.5 mm OD, Cable #RF51144-*M†, Cut/Abrasion Immune EMI/RFI Protection</p>	

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters.
 ** Standard coupling material is nickel plated brass. "PKG..M"; "PKG..M" indicates stainless steel.
 † See Section N for **reelfast**® cable information.

Cordsets

3 and 4-Wire Cordsets, Threaded Coupling Nut, Shielded

- Shield to Coupling Nut
- IEC IP67 Protection
- 125 V, 4 A (3-pin), 2A (4-pin)



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>PKGS ..M**</p>	<p>PKGS 3M-*</p> <p>PKWS 3M-*</p>	<p>PSGS 3M-*</p> <p>PSWS 3M-*</p>	<p>AWM, PVC Yellow, 3x24 AWG, 105°C, 5.1 mm OD, Cable #RF51422-[†]M[†], RFI/EMI Shielding Tied to Coupling Nut</p>	<p>Female</p> <p>1. BN 3. BU 4. BK</p>
<p>PKWS ..M**</p>	<p>PKGS 3M-*/S90</p> <p>PKWS 3M-*/S90</p>	<p>PSGS 3M-*/S90</p> <p>PSWS 3M-*/S90</p>	<p>AWM, TPU Black, 3x24 AWG, 90°C, 5.1 mm OD, Cable #RF51423-[†]M[†], RFI/EMI Shielding Tied to Coupling Nut</p>	<p>Male</p>
<p>PSGS ..M**</p>	<p>PKGS 4M-*</p> <p>PKWS 4M-*</p>	<p>PSGS 4M-*</p> <p>PSWS 4M-*</p>	<p>AWM, PVC Yellow, 4x26 AWG, 105°C, 5.1 mm OD, Cable #RF51424-[†]M[†], RFI/EMI Shielding Tied to Coupling Nut</p>	<p>Female</p> <p>1. BN 2. WH 3. BU 4. BK</p>
<p>PSWS ..M**</p>	<p>PKGS 4M-*/S90</p> <p>PKWS 4M-*/S90</p>	<p>PSGS 4M-*/S90</p> <p>PSWS 4M-*/S90</p>	<p>AWM, TPU Black, 4x26 AWG, 90°C, 5.1 mm OD, Cable #RF51425-[†]M[†], RFI/EMI Shielding Tied to Coupling Nut</p>	<p>Male</p>

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.

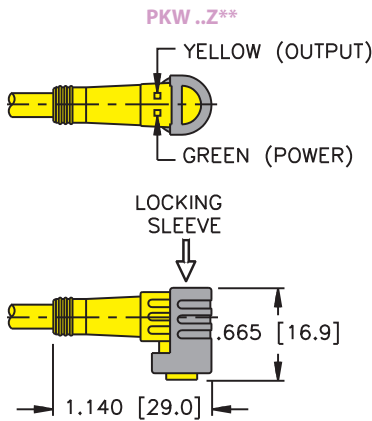
** Standard coupling material is nickel plated brass.

† See Section N for **reelfast**® cable information.



3 and 4-Wire Cordsets, with LEDs, Snap Lock (Locking Sleeve)

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 10-30 VDC, 4 A



Connector Style	Female Part Number	Features	Pinout		
	PKW 3Z-P7X2-*	AWM PVC Yellow, 3x24 AWG, 105°C, 4.4 mm OD, Cable #RF50642-*M†, PNP Signal, <i>flexlife</i> ®			
	PKW 3Z-P7X2-*/S90	AWM TPU Black, 3x24 AWG, 90°C, 4.4 mm OD, Cable #RF50587-*M†, PNP Signal, Cut/Abrasion Immune			
	PKW 3Z-P7X2-*/S90/S618	AWM TPU Black, 3x24 AWG, 90°C, 4.4 mm OD, Cable #RF50601-*M†, PNP Signal, Cut/Abrasion Immune, EMI/RFI Protection			
	PKW 3Z-P7X2-*/S90/S101	AWM TPU Black, 3x26 AWG, 90°C, 4.4 mm OD, Cable #RF51166-*M†, PNP Signal, Cut/Abrasion Immune, <i>flexlife</i> -20, High Flex - over 20 Million Cycles			
	PKW 3Z-N7X2-*	AWM PVC Yellow, 3x24 AWG, 105°C, 4.4 mm OD, Cable #RF50642-*M†, NPN Signal, <i>flexlife</i>			
	PKW 3Z-N7X2-*/S90	AWM TPU Black, 3x24 AWG, 90°C, 4.4 mm OD, Cable #RF50587-*M†, NPN Signal, Cut/Abrasion Immune			
	PKW 3Z-N7X2-*/S90/S618	AWM TPU Black, 3x24 AWG, 90°C, 4.4 mm OD, Cable #RF50601-*M†, NPN Signal, Cut/Abrasion Immune, EMI/RFI Protection			
	PKW 3Z-N7X2-*/S90/S101	AWM TPU Black, 3x26 AWG, 90°C, 4.4 mm OD, Cable #RF51166-*M†, NPN Signal, Cut/Abrasion Immune, <i>flexlife</i> -20, High Flex - over 20 Million Cycles			
		PKW 4Z-P7X2-*		AWM PVC Yellow, 4x26 AWG, 105°C, 4.4 mm OD, Cable #RF50697-*M†, PNP Signal, <i>flexlife</i> ®	
		PKW 4Z-P7X2-*/S90		AWM TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50586-*M†, PNP Signal, Cut/Abrasion Immune	
PKW 4Z-P7X2-*/S90/S101		AWM TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50935-*M†, PNP Signal, Cut/Abrasion Immune, <i>flexlife</i> -20, High Flex - Over 20 Million Cycles			
PKW 4Z-N7X2-*		AWM PVC Yellow, 4x26 AWG, 105°C, 4.4 mm OD, Cable #RF50697-*M†, NPN Signal, <i>flexlife</i>			
PKW 4Z-N7X2-*/S90		AWM TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50586-*M†, NPN Signal, Cut/Abrasion Immune			
PKW 4Z-N7X2-*/S90/S101		AWM TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50935-*M†, NPN Signal, Cut/Abrasion Immune, <i>flexlife</i> -20, High Flex - Over 20 Million Cycles			

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters.
 ** Locking sleeve material is POM.."PKW..Z".
 † See Section N for *reelfast*® cable information.

Cordsets

3-Wire Cordsets, with LEDs, Threaded Coupling Nut

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 10-30 VDC, 4 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
	PKW 3M-P7X2-*	PSW 3M-P7X2-*	AWM PVC Yellow, 3x24 AWG, 105°C, 4.4 mm OD, Cable #RF50642- [†] M [†] , PNP Signal, <i>flexlife</i> [†]	<p>Female</p>
	PKW 3M-P7X2-*/S90	PSW 3M-P7X2-*/S90	AWM TPU Black, 3x24 AWG, 90°C, 4.4 mm OD, Cable #RF50587- [†] M [†] , PNP Signal, Cut/Abrasion Immune	
	PKW 3M-P7X2-*/S90/S101	PSW 3M-P7X2-*/S90/S101	AWM TPU Black, 3x26 AWG, 90°C, 4.4 mm OD, Cable #RF51166- [†] M [†] , PNP Signal, Cut/Abrasion Immune, <i>flexlife-20</i> , High Flex - over 20 Million Cycles	
	PKW 3M-N7X2-*/S90/S618		AWM TPU Black, 3x24 AWG, 90°C, 4.4 mm OD, Cable #RF50601- [†] M [†] , PNP Signal, Cut/Abrasion Immune, EMI/RFI Protection	
	PKW 3M-N7X2-*		AWM PVC Yellow, 3x24 AWG, 105°C, 4.4 mm OD, Cable #RF50642- [†] M [†] , NPN Signal, <i>flexlife</i>	
	PKW 3M-N7X2-*/S90		AWM TPU Black, 3x24 AWG, 90°C, 4.4 mm OD, Cable #RF50587- [†] M [†] , NPN Signal, Cut/Abrasion Immune	
	PKW 3M-N7X2-*/S90/S101		AWM TPU Black, 3x26 AWG, 90°C, 4.4 mm OD, Cable #RF51166- [†] M [†] , NPN Signal, Cut/Abrasion Immune, <i>flexlife-20</i> , High Flex - over 20 Million Cycles	
	PKW 3M-N7X2-*/S90/S618		AWM TPU Black, 3x24 AWG, 90°C, 4.4 mm OD, Cable #RF50601- [†] M [†] , NPN Signal, Cut/Abrasion Immune, EMI/RFI Protection	

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters.

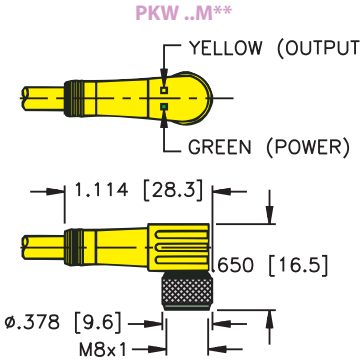
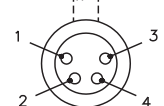
** Standard coupling material is nickel plated brass.

† See Section N for **reelfast**® cable information.

4-Wire Cordsets, with LEDs, Threaded Coupling Nut

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 10-30 VDC, 4 A



Connector Style	Female Part Number	Features	Pinout
 <p>PKW ..M**</p> <p>YELLOW (OUTPUT)</p> <p>GREEN (POWER)</p> <p>1.114 [28.3]</p> <p>650 [16.5]</p> <p>ø.378 [9.6]</p> <p>M8x1</p>	PKW 4M-P7X2-*	AWM PVC Yellow, 4x26 AWG, 105°C, 4.4 mm OD, Cable #RF50697-*M [†] , PNP Signal, <i>flexlife</i> [°]	<p>Female</p>  <p>1. BN 2. WH 3. BU 4. BK</p>
	PKW 4M-P7X2-*/S90	AWM TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50586-*M [†] , PNP Signal, Cut/Abrasion Immune	
	PKW 4M-P7X2-*/S90/S101	AWM TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50935-*M [†] , PNP Signal, Cut/Abrasion Immune, <i>flexlife-20</i> , High Flex - over 20 Million Cycles	
	PKW 4M-P7X2-*/S90/S618	AWM TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50602-*M [†] , PNP Signal, Cut/Abrasion Immune, EMI/RFI Protection	
	PKW 4M-N7X2-*	AWM PVC Yellow, 4x26 AWG, 105°C, 4.4 mm OD, Cable #RF50697-*M [†] , NPN Signal, <i>flexlife</i>	
	PKW 4M-N7X2-*/S90	AWM TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50586-*M [†] , NPN Signal, Cut/Abrasion Immune	
	PKW 4M-N7X2-*/S90/S101	AWM TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50935-*M [†] , NPN Signal, Cut/Abrasion Immune, <i>flexlife-20</i> , High Flex - over 20 Million Cycles	
	PKW 4M-N7X2-*/S90/S618	AWM TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50602-*M [†] , NPN Signal, Cut/Abrasion Immune, EMI/RFI Protection	

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters.

** Standard coupling material is nickel plated brass.

† See Section N for **reelfast**® cable information.

3 and 4-Wire Spiral Cordsets, Snap Lock (Locking Sleeve)

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 125 VAC/VDC, 4 A and 2 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>PKG ..Z**</p> <p>PKW ..Z**</p>	<p>PKG 3Z-3/S90-SP PKW 3Z-3/S90-SP</p>	<p>PSG 3-3/S90-SP PSW 3-3/S90-SP</p>	<p>AWM TPU Black, 4x26 AWG, 80°C, 125 VAC/VDC, 4 A, 4.0 mm OD, for repetitive motion 3-wire applications, snap lock coupling nut</p>	<p>Female</p> <p>Male</p>
<p>PSG ..</p> <p>PSW ..</p>	<p>PKG 4Z-3/S90-SP PKW 4Z-3/S90-SP</p>	<p>PSG 4-3/S90-SP PSW 4-3/S90-SP</p>	<p>AWM TPU Black, 4x26 AWG, 80°C, 125 VAC/VDC, 2 A, 4.0 mm OD, for repetitive motion 4-wire applications, snap lock coupling nut</p>	<p>Female</p> <p>Male</p>

* Length in meters. Standard cable length is 3 meters. Consult factory for other lengths.

** Locking sleeve material is POM.. "PKG(W)..Z".

3 and 4-Wire Spiral Cordsets, Threaded Coupling Nut

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 125 VAC/VDC, 4 A and 2 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>PKG ..M**</p>	PKG 3M-3/S90-SP PKW 3M-3/S90-SP	PSG 3M-3/S90-SP PSW 3M-3/S90-SP	AWM TPU Black, 4x26 AWG, 80° C, 125 VAC/VDC, 4 A, 4.0 mm OD, for repetitive motion 3-wire applications, threaded coupling nut	<p>Female</p> <p>Male</p>
<p>PKW ..M**</p>	PKG 4M-3/S90-SP PKW 4M-3/S90-SP	PSG 4M-3/S90-SP PSW 4M-3/S90-SP	AWM TPU Black, 4x26 AWG, 80° C, 125 VAC/VDC, 2 A, 4.0 mm OD, for repetitive motion 4-wire applications, threaded coupling nut	<p>Female</p> <p>Male</p>

* Length in meters. Standard cable length is 3 meters. Consult factory for other lengths.
 ** Standard coupling material is nickel plated brass. "PKG(W)..M"; "PKG(W)..M" indicates 316 stainless steel.

Cordsets

Mounting Style	Image	Panel Thread Types	Page
Front Mount		<p>M8</p> <hr/>	<p>C17</p>
Rear Mount		<p>M8</p> <hr/> <p>7/16-20 with Solder Cups</p> <hr/>	<p>C18</p> <hr/> <p>C22</p>
PCB Mount		<p>M12 with PCB Pins</p> <hr/> <p>7/16-20 with Header Pins</p> <hr/> <p>M8 with Header Pins</p> <hr/>	<p>C19</p> <hr/> <p>C19</p> <hr/> <p>C20</p>



3, 4 and 6-Wire Receptacles, Front Mount

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>MFKS ..</p> <p>Typical panel cutout is 8.2 mm.</p>	MFKS 3-*	MFS 3-*	3x24 AWG, 105°C, 125 V, 4 A, mates with 3-pin snap lock female cordsets	<p>Female</p> <p>Male</p>
<p>MFS ..</p> <p>Typical panel cutout is 8.2 mm.</p>	MFKS 4-*	MFS 4-*	4x24 AWG, 105°C, 125 V, 4 A, mates with 4-pin snap lock female cordsets	<p>Female</p> <p>Male</p>
<p>MFS ..</p> <p>Typical panel cutout is 8.2 mm.</p>	MFKS 6-*	MFS 6-*	6x24 AWG, 105°C, 125 V, 2 A, mates with 6-pin snap lock female cordsets	<p>Female</p> <p>Male</p>

Receptacles

* Length in meters. Standard lead length is 0.2 Meters. Consult factory for other lengths. Standard housing material is nickel plated brass. "MFS(S).."; "MFS(S)V.." indicates stainless steel.

3, 4 and 6-Wire Receptacles, Rear Mount

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection



Housing Style	Male Part Number	Features	Pinout
<p>MFS ..F..</p> <p>Typical panel cutout is 8.2 mm.</p> <p>MFSS ..</p> <p>Typical panel cutout is 8.2 x 7.1 mm.</p>	MFS 3F-*	3x24 AWG, 105°C, 125 V, 4 A, mates with 3-pin snap lock or threaded female cordsets, rear mount	<ol style="list-style-type: none"> 1. BN 3. BU 4. BK
	MFS 4F-*	4x24 AWG, 105°C, 125 V, 4 A, mates with 4-pin snap lock or threaded female cordsets, rear mount	<ol style="list-style-type: none"> 1. BN 2. WH 3. BU 4. BK
	MFS 6F-*	6x24 AWG, 105°C, 125 V, 2 A, mates with 6-pin snap lock or threaded female cordsets, rear mount	<ol style="list-style-type: none"> 1. BN 2. WH 3. BU 4. BK 5. GY 6. PK
	MFSS 3-*	3x24 AWG, 105°C, 125 V, 4 A, mates with 3-pin snap lock or threaded female cordsets, front mount	<ol style="list-style-type: none"> 1. BN 3. BU 4. BK
	MFSS 4-*	4x24 AWG, 105°C, 125 V, 4 A, mates with 4-pin snap lock or threaded female cordsets, front mount	<ol style="list-style-type: none"> 1. BN 2. WH 3. BU 4. BK
	MFSS 6-*	6x24 AWG, 105°C, 125 V, 2 A, mates with 6-pin snap lock or threaded female cordsets, front mount	<ol style="list-style-type: none"> 1. BN 2. WH 3. BU 4. BK 5. GY 6. PK

Rear Mount

* Length in meters. Standard lead length is 0.2 Meters. Consult factory for other lengths. Standard housing material is nickel plated brass .. "MFS(S).."; "MFS(S)V.." indicates stainless steel.



3, 4 and 6-Wire Receptacles with PCB Pins

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection

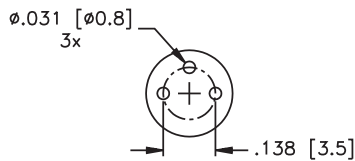


Housing Style	Female Part Number	Features	Pinout
<p>MFKS .. F-PCBF</p> <p>WMFK .. F-PCB</p>	<p>MFKS 3F-PCBF</p> <p>PCB Pins, 85°C, 60 V, 4 A, mates with 3-pin threaded male cordsets</p>	<p>Female</p>	
	<p>MFKS 4F-PCBF</p> <p>PCB Pins, 85°C, 30 V, 4 A, mates with 4-pin threaded male cordsets</p>	<p>Female</p>	
	<p>WMFK 3F-PCB</p> <p>PCB Pins, 80°C, 60 VAC/75 VDC, 4 A, mates with 3-pin threaded male cordsets</p>	<p>Female</p>	
	<p>WMFK 4F-PCB</p> <p>PCB Pins, 80°C, 30 VAC/36 VDC, 4 A, mates with 4-pin threaded male cordsets</p>	<p>Female</p>	
	<p>WMFK 6F-PCB</p> <p>PCB Pins, 80°C, 24 VDC, 1 A, mates with 6-pin threaded male cordsets</p>	<p>Female</p>	

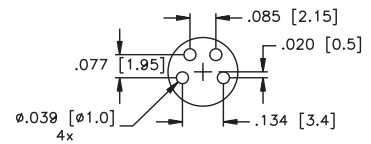
Receptacles

Standard housing material is nickel plated brass.

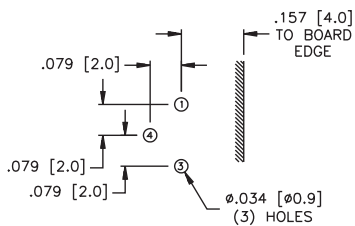
MFKS 3F-PCBF



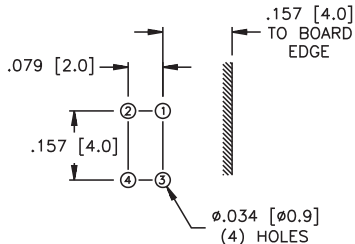
MFKS 4F-PCBF



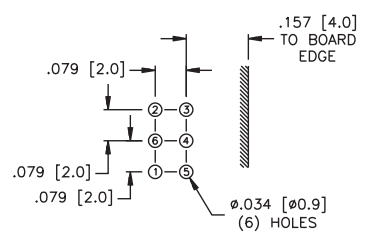
WMFK 3F-PCB



WMFK 4F-PCB



WMFK 6F-PCB



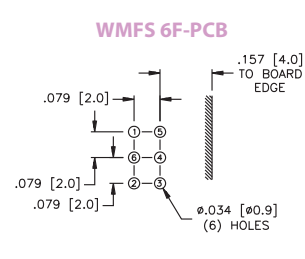
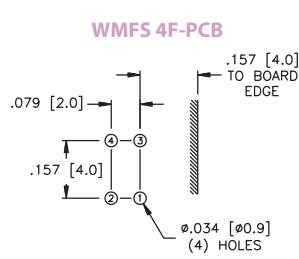
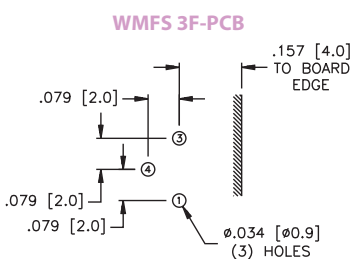
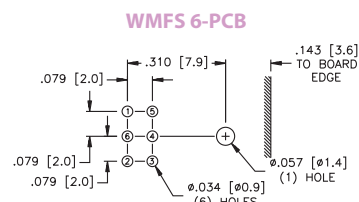
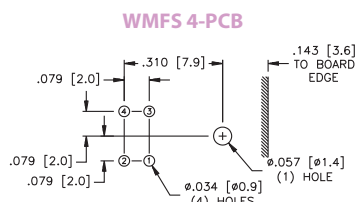
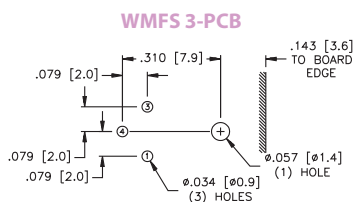
3, 4 and 6-Wire Receptacles with PCB Pins

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection



Housing Style	Male Part Number	Features	Pinout
<p>WMFS ..PCB</p> <p>WMFS ..F-PCB</p>	WMFS 3-PCB	PCB Pins, 80°C, 60 VAC/ 75 VDC, 4 A, mates with 3-pin snap lock or threaded female cordsets	<p>Male</p>
	WMFS 4-PCB	PCB Pins, 80°C, 30 VAC/ 36 VDC, 4 A, mates with 4-pin snap lock or threaded female cordsets	<p>Male</p>
	WMFS 6-PCB	PCB Pins, 80°C, 24 VDC, 1 A, mates with 6-pin snap lock or threaded female cordsets	<p>Male</p>
	WMFS 3F-PCB	PCB Pins, 80°C, 75 VDC, 4 A, mates with 3-pin snap lock or threaded female cordsets	<p>Male</p>
	WMFS 4F-PCB	PCB Pins, 80°C, 36 VDC, 4 A, mates with 4-pin snap lock or threaded female cordsets	<p>Male</p>
	WMFS 6F-PCB	PCB Pins, 80°C, 24 VDC, 1 A, mates with 6-pin snap lock or threaded female cordsets	<p>Male</p>

Standard housing material is nickel plated brass.





3 and 4-Wire Receptacles with PCB Pins and Mounting Bracket

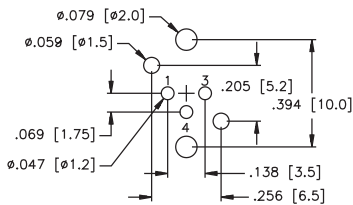
- IEC IP67 Protection



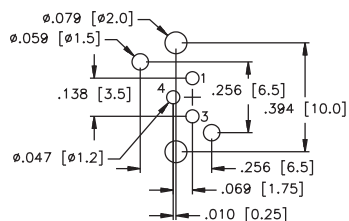
Housing Style	Female Part Number	Features	Pinout
<p>MFKSH .. F-PCB</p>	MFKSH 3F-PCB	PCB Pins, 85°C, 60 V, 4 A, mates with 3-pin threaded male cordsets	<p>Female</p>
	MFKSH 4F-PCB	PCB Pins, 85°C, 30 V, 4 A, mates with 4-pin threaded male cordsets	<p>Female</p>
<p>MFKSHL .. F-PCB</p>	MFKSHL 3F-PCB	PCB Pins, Long Bracket, 85°C, 60 V, 4 A, mates with 3-pin threaded male cordsets	<p>Female</p>
	MFKSHL 4F-PCB	PCB Pins, Long Bracket, 85°C, 30 V, 4 A, mates with 4-pin threaded male cordsets	<p>Female</p>
<p>WMFKSH .. F-PCB</p>	WMFKSH 3F-PCB	PCB Pins, 85°C, 60 V, 4 A, mates with 3-pin threaded male cordsets	<p>Female</p>
	WMFKSH 4F-PCB	PCB Pins, 85°C, 30 V, 4 A, mates with 4-pin threaded male cordsets	<p>Female</p>

Standard housing material is nickel plated brass.

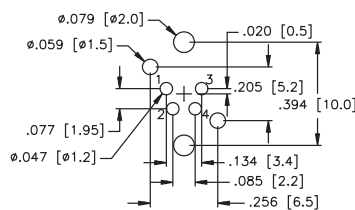
MFKSH 3F-PCB
MFKSHL 3F-PCB



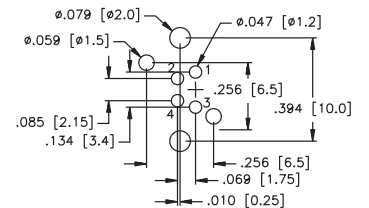
WMFKSH 3F-PCB



MFKSH 4F-PCB
MFKSHL 4F-PCB



WMFKSH 4F-PCB



3, 4 and 6-Wire Receptacles, Rear Mount with Solder Cups

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection



Housing Style	Female Part Number	Features	Pinout
<p>MFKS ..F</p>	MFKS 3F	Solder Cups, accepts up to 22 AWG conductors, 80°C, 125 V, 4 A, mates with 3-pin threaded male cordsets	<p>Female</p>
	MFKS 4F	Solder Cups, accepts up to 22 AWG conductors, 80°C, 125 V, 2 A, mates with 4-pin threaded male cordsets	<p>Female</p>
	MFKS 6F	Solder Cups, accepts up to 24 AWG conductors, 80°C, 125 V, 2 A, mates with 6-pin threaded male cordsets	<p>Female</p>

Standard housing material is nickel plated brass.

3, 4 and 6-Wire Feed-Thru Receptacles

- Female to Male Receptacles
- NEMA 1, 3, 4, 6P
- IEC IP67 Protection



Housing Style	Part Number	Features	Pinout
<p>MFSV MFKV ..</p>	MFSV MFKV 3/M8	3-conductor, 80°C, 125 V, 4 A, mates with 3-pin threaded cordsets	<p>Female</p> <p>Male</p>
<p>MFSV MFKV ..</p>	MFSV MFKV 4/M8	4-conductor, 80°C, 125 V, 2 A, mates with 4-pin threaded cordsets	<p>Female</p> <p>Male</p>
<p>MFSV MFKV ..</p>	MFSV MFKV 6/M8	6-conductor, 80°C, 125 V, 2 A, mates with 6-pin threaded cordsets	<p>Female</p> <p>Male</p>

Standard housing material is stainless steel.

3 and 4-Wire Field Wireable Connectors, Standard

- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>B 513(4)1-0</p>	B 5131-0	BS 5131-0	PBT, Black, accepts 3-5 mm cable diameter, solder terminals, accepts up to 24 AWG conductors, 85°C, 60 VAC/ 75 VDC, 4 A, mates with 3-pin threaded cordsets and receptacles	<p>Female</p> <p>Male</p>
<p>BS 513(4)1-0</p>	B 5141-0	BS 5141-0	PBT, Black, accepts 3-5 mm cable diameter, solder terminals, accepts up to 24 AWG conductors, 85°C, 30 VAC/ 36 VDC, 4.0 A, mates with 4-pin threaded cordsets and receptacles	<p>Female</p> <p>Male</p>
<p>B 513(4)3-0</p>	B 5133-0	BS 5133-0	PBT, Black, accepts 3-5 mm cable diameter, screw terminals, accepts up to 22 AWG conductors, 85°C, 60 VAC/ 75 VDC, 4 A, mates with 3-pin threaded cordsets and receptacles	<p>Female</p> <p>Male</p>
<p>BS 513(4)3-0</p>	B 5143-0	BS 5143-0	PBT, Black, accepts 3-5 mm cable diameter, screw terminals, accepts up to 22 AWG conductors, 85°C, 60 VAC/ 75 VDC, 4 A, mates with 4-pin threaded cordsets and receptacles	<p>Female</p> <p>Male</p>

3 and 4-Wire Field Wireable Connectors, Standard

- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>BS 513(4)2-0</p>		BS 5132-0	PBT, Black, accepts 3-5 mm cable diameter, solder terminals, accepts up to 26 AWG conductors, 85°C 60 VAC/ 75 VDC, 4 A, mates with 3-pin female snap-lock cordsets, receptacles and junction boxes and threaded cordsets	<p>Male</p>
		BS 5142-0	PBT, Black, accepts 3-5 mm cable diameter, solder terminals, accepts up to 26 AWG conductors, 85°C 60 VAC/ 75 VDC, 2 A, mates with 3-pin female snap-lock cordsets, receptacles and junction boxes and threaded cordsets	<p>Male</p>
<p>B 523(4)1-0</p>	B 5231-0	BS 5231-0	PBT, Black, Accepts 3-5 mm cable diameter, solder terminals, accepts up to 24 AWG conductors, 85°C, 60 VAC/ 75 VDC, 4 A, mates with 3-pin threaded cordsets and receptacles	<p>Female</p> <p>Male</p>
<p>BS 523(4)1-0</p>	B 5241-0	BS 5241-0	PBT, Black, accepts 3-5 mm cable diameter, solder terminals, accepts up to 24 AWG conductors, 85°C, 30 VAC/ 36 VDC, 4.0 A, mates with 4-pin threaded cordsets and receptacles	<p>Female</p> <p>Male</p>

Field Wireables

3 and 4-Wire Field Wireable Connectors, IAC

- Insulation Avoidance Technology
- No Conductor Stripping Required
- IEC IP67 Protection



Housing Style	Female Part Number	Features	Pinout
<p>B 513(4)5-0</p>	B 5135-0	Nickel plated brass, accepts 3-5 mm cable diameter, IAC, accepts 22-26 AWG conductors, 90°C, 60 VAC/75 VDC, 4 A, mates with 3-pin threaded cordsets and receptacles	<p>Female</p>
	B 5145-0	Nickel plated brass, accepts 3-5 mm cable diameter, IAC, accepts 22-26 AWG conductors, 90°C, 60 VAC/ 75 VDC, 4 A, mates with 4-pin threaded cordsets and receptacles	<p>Female</p>

3 and 4-Wire Field Wireable Connectors, IDC

- Insulation Displacement Technology
- No Conductor Stripping Required
- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>B 513(4)6-0</p>	B 5136-0	BS 5136-0	Nickel plated brass, accepts 4-5 mm cable diameter, IDC, accepts up to 22-26 AWG conductors, 85°C, 32 V, 4.0 A, mates with 3-pin threaded cordsets and receptacles	<p>Female</p> <p>Male</p>
<p>BS 513(4)6-0</p>	B 5146-0	BS 5146-0	Nickel plated brass, accepts 4-5 mm cable diameter, IDC, accepts up to 22-26 AWG conductors, 85°C, 32 V, 4.0 A, mates with 4-pin threaded cordsets and receptacles	<p>Female</p> <p>Male</p>

Field Wireables

M8 picofast® to M12 eurofast® Adapters

- Enables *picofast* and *eurofast* Connectors to be Interchanged
- *eurofast* Connection has Anti-vibration Coupling Nut
- IEC IP67 Protection



Housing Style	Part Number	Features	Wiring Diagram
<p>FKMR 4 ..</p>	FKMR 4-ESM 3S	TPU body, 60 VAC/ 75 VDC, 4 A, 80°C, female eurofast, male snap-lock picofast connector, 3-pin	
	FKMR 4.4-ESM 4S	TPU body, 30 VAC/ 36 VDC, 4 A, 80°C, female eurofast, male snap-lock picofast connector, 4-pin	
<p>FSMR 4 ..</p>	FSMR 4-SKM 3	TPU body, 60 VAC/ 75 VDC, 4 A, 80°C, male eurofast, female threaded picofast connector, 3-pin	
	FSMR 4.4-SKM 4	TPU body, 30 VAC/ 36 VDC, 4 A, 80°C, male eurofast, female threaded picofast connector, 4-pin	

Add "/S857" to the end of part description to specify addition of mounting hole.

Pinouts

Female			Male		
3-Pin picofast	4-Pin picofast	4-Pin eurofast	3-Pin picofast	4-Pin picofast	4-Pin eurofast

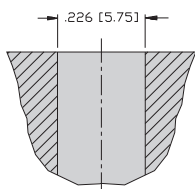
Connector Inserts

- For Use in Sensors and Custom Receptacles
- Clear Body Versions for Use with Indicator LEDs
- Solder Lug or Printed Circuit Pin Mounting Options

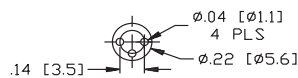


Housing Style	Female Part Number	Features	Pinout
<p>ESM ..</p> <p>ESHM ..</p>	ESM 3S (10/BAG)	Nylon, black, solder cup, accepts 26 AWG, 60 VAC/75 VDC, 4 A, 80°C, 3-pin snap lock	<p>Male</p>
	ESM 4S (10/BAG)	Nylon, black, solder cup, accepts 28 AWG, 30 VAC/36 VDC, 4 A, 80°C, 4-pin snap lock	<p>Male</p>
	ESM 6S (10/BAG)	Nylon, black, solder cup, accepts 26 AWG, 24 VDC, 1 A, 80°C, 6-pin snap lock	<p>Male</p>
	ESHM 3L (10/BAG)	Nickel plated brass and nylon housing, solder cup, accepts 26 AWG, 30 VAC/75 VDC, 4 A, 80°C, 3-pin snap lock clear body for LED	<p>Male</p>
	ESHM 4L (10/BAG)	Nickel plated brass and nylon housing, solder cup, accepts 26 AWG, 30 VAC/36 VDC, 4 A, 80°C, 4-pin snap lock clear body for LED	<p>Male</p>
	ESHM 3P (10/BAG)	Nickel plated brass and nylon housing, PCB pin, 60 VAC/75 VDC, 4 A, 80°C, 3-pin snap lock clear body for LED	<p>Male</p>
	ESHM 4P (10/BAG)	Nickel plated brass and nylon housing, PCB pin, 30 VAC/36 VDC, 4 A, 80°C, 4-pin snap lock clear body for LED	<p>Male</p>

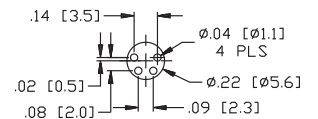
Mounting Bore (for male insert)



3-pin PCB Board Layout



4-pin PCB Board Layout



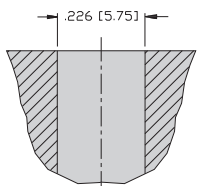
Connector Inserts

- For Use in Sensors and Custom Receptacles
- Clear Body Versions for Use with Indicator LEDs
- Solder Lug or Printed Circuit Pin Mounting Options

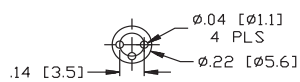


Housing Style	Male Part Number	Features	Pinout
<p>SESM ..</p> <p>ESGM ..</p>	SESM 3S (10/BAG)	Nickel plated brass and nylon housing, solder cup, accepts 26 AWG, 60 VAC/ 75 VDC, 4 A, 80°C, 3-pin snap lock or threaded	<p>Male</p>
	SESM 4S (10/BAG)	Nickel plated brass and nylon housing, solder cup, accepts 28 AWG, 30 VAC/36 VDC, 4 A, 80°C, 4-pin snap lock or threaded	<p>Male</p>
	ESGM 3L (10/BAG)	Nickel plated brass housing with clear nylon lens, solder cup, accepts 26 AWG, 60 VAC/75 VDC, 4 A, 80°C, 3-pin snap lock or threaded, clear lens for LED	<p>Male</p>
	ESGM 4L (10/BAG)	Nickel plated brass housing with clear nylon lens, solder cup, accepts 26 AWG, 30 VAC/36 VDC, 4 A, 80°C, 4-pin snap lock or threaded, clear lens for LED	<p>Male</p>
	ESGM 3P (10/BAG)	Nickel plated brass housing with clear nylon lens, PCB pin, 60 VAC/75 VDC, 4 A, 80°C, 3-pin snap lock or threaded, clear lens for LED	<p>Male</p>
	ESGM 4P (10/BAG)	Nickel plated brass housing with clear nylon lens, PCB pin, 30 VAC/36 VDC, 4 A, 80°C, 4-pin snap lock or threaded, clear lens for LED	<p>Male</p>

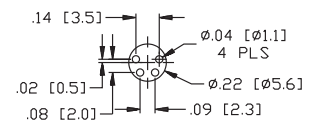
Mounting Bore (for male insert)



3-pin PCB Board Layout



4-pin PCB Board Layout



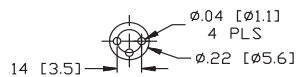
Connector Inserts

- For Use in Sensors and Custom Receptacles
- Clear Body Versions for Use with Indicator LEDs
- Female Inserts
- Solder Lug or Printed Circuit Pin Mounting Options

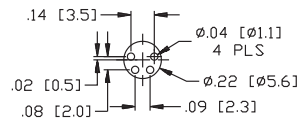


Housing Style	Female Part Number	Features	Pinout
<p>MFK ..</p> <p>MFKB ..</p>	MFK 3 (10/BAG)	TPU housing, black, PCB pins, 60 VAC/75 VDC, 4 A, 80°C, 3-pin snap lock	<p>Female</p>
	MFK 4 (10/BAG)	TPU housing, black, PCB pins, 30 VAC/36 VDC, 4 A, 80°C, 4-pin snap lock	
	MFKB 3 (10/BAG)	TPU housing, black, PCB pins, 60 VAC/75 VDC, 4 A, 80°C, 3-pin snap lock	
	MFKB 4 (10/BAG)	TPU housing, black, PCB pins, 30 VAC/36 VDC, 4 A, 80°C, 4-pin snap lock	<p>Female</p>
	MFKB 3L (10/BAG)	TPU housing, black, solder cups, 60 VAC/75 VDC 4 A, 80°C, 3-pin snap lock, accepts 24 AWG	
	MFKB 4L (10/BAG)	TPU housing, black, solder cups, 30 VAC/36 VDC 4 A, 80°C, 4-pin snap lock, accepts 24 AWG	

3-pin PCB Board Layout



4-pin PCB Board Layout



Closure Caps

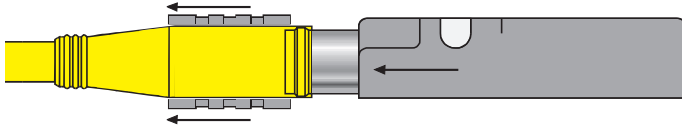
- For Use with Cordsets, Receptacles and Junction Boxes



Housing Style	Part Number	Features
	PSGK-MC (8/BAG)	Nylon, Mates to female snap lock cordsets, receptacles and junction boxes
	PSGM-CC (8/BAG)	Nylon, Mates to female threaded cordsets, receptacles and junction boxes
	PSG-CC	Nickel plated brass, Mates to female threaded cordsets, receptacles and junction boxes
	PSG-MC	Nickel plated brass, Mates to female threaded cordsets, receptacles and junction boxes
	PKG-CC	Nickel plated brass, Mates to male threaded cordsets, receptacles and junction boxes
	PKG-MC	Nickel plated brass, Mates to male threaded cordsets, receptacles and junction boxes

M8 picofast® "Snap Lock" Connector Instructions

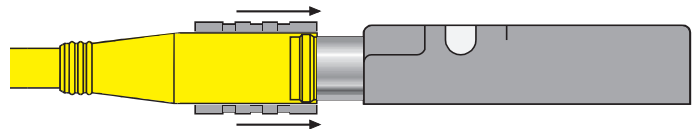
UNLOCK



With TURCK's patented Locking Sleeve pulled back, any *picofast* sensor slides on without any difficulty.

After sensor is connected, push Locking Sleeve forward to create a watertight connection. It's a snap!

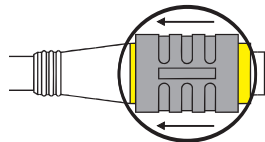
LOCK



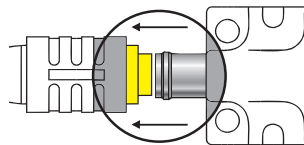
Installation Instructions

To Attach:

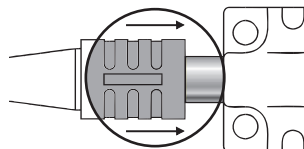
1. Be sure black locking sleeve is pulled back.



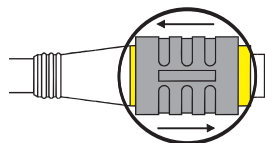
2. Line up pins and push connector onto plug. You will feel a "snap." Do not twist.



3. Push locking sleeve forward on connector until it is flush with the front of the connector.



4. If sleeve is difficult to slide on a new connector, "exercise" it a few times. Do not use tools.

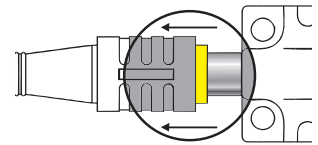


To Detach:

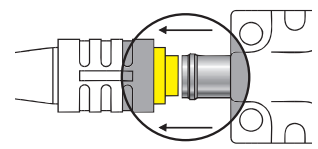
1. Do not twist.



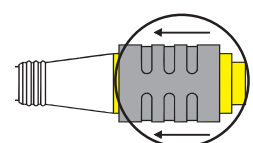
2. Pull locking sleeve back to "unlocked" position.



3. Pull connector straight off.



4. Leave locking sleeve in unlocked position.





Notes:

Part Number Keys	D2
Cordsets	D7
Receptacles	D45
Field Wireables	D83
Adapters	D92
Inserts	D95
Closure Caps	D96

Features

- 4-12 pins utilizing 2-12 wires
- Nickel-brass, stainless steel and nylon materials
- Fully shielded options
- Multiple connector mold bodies
- Quick-connect selection
- LED options
- Multiple receptacle mounting thread options
- Receptacles with leads, solder cups or PCB pins



Cordset Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



M12 eurofast Cordset

- R = straight
- W = right angle

Gender

- K = female connector
- S = male connector

Plug Body Style

- (blank) = standard plug body
- A = armored plug body, 18 AWG
- C = medium plug body
- CN = medium plug body, NAMUR wiring
- E = large plug body
- G = large, robust plug body
- L = compact plug body
- S = shielded to coupling nut

Coupling Nut Options

- (blank) = nickel plated brass
- K = nylon
- V = stainless steel

Number of Wires / AWG / Color Codes

- 4.2 = 2-wire BN, BU
- 4.21 = 2-wire BN, BU, blue jacket, NAMUR
- 4.22 = 2-wire BN, BU
- 4.23 = 2-wire BN, BU
- 4 = 3-wire BN, BU, BK
- 4.4 = 4-wire BN, WH, BU, BK
- 4.41 = 4-wire BN, WH, BU, BK, blue jacket, NAMUR
- 4.43 = 4-wire BN, WH, BU, BK, yellow jacket
- 4.5 = 5-wire BN, WH, BU, BK, GY
- 4.6 = 6-wire BN, WH, BU, BK, GY, PK
- 5 = 5-wire GN, WH, OG, BK, RD, blue jacket, NAMUR
- 6 = 6-wire BN, WH, BU, BK, GY, PK
- 8 = 8-wire WH, BN, GN, YE, GY, PK, BU, RD
- 8.6 = 6-wire WH, GN, YE, GY, BN, BU
- 8.8 = 8-wire WH, GN, YE, GY, BN, PK, BU, RD
- 10 = 10-wire WH, BN, GN, YE, GY, PK, BU, RD, OG, TN
- 12 = 12-wire WH, BN, GN, YE, GY, PK, BU, RD, OG, TN, BK, VT

AWG sizes depend on body style and "S" variety

Varieties

- (blank) = PVC jacket
- /S90 = TPU jacket
- /S90-SP = TPU coil cord
- /S101 = **flexlife-20**, high flex cable
- /S529 = yellow PUR jacket, braided shield, PVC inner jacket
- /S600 = CPE, rubber jacket
- /S618 = foil shield & drain wire, drain not connected
- /S622 = grey PVC jacket, 18 AWG Conductors
- /S653 = foil shield & drain wire, drain connected
- /S715 = yellow jacket
- /S824 = PLTC
- /S1092 = PTFE coated coupling nuts
- /S1094 = TPE mold body and TPE **weldlife**® cable and PTFE coated coupling nut
- /S1095 = TPE mold body
- /S1587 = TPE, **weldlife**
- /S1077 = silicone tubing
- /S3031 = PUR mold body, PTFE coated coupling nut and silicone tubing
- /XOR = irradiated PVC jacket
- /CS .. = consult factory, special
- /S .. = consult factory, special

Insertion Point of Extension Cable and 2nd Prefix*

- * Female connector listed 1st, male connector 2nd
- Example: **RK 4T-4-WS 4T**

LED Options

- (blank) = no LEDs
- P7X2 = 2 LEDs with sourcing (PNP) signal and power
- P7X3 = 3 LEDs with sourcing (PNP) signal and power
- N7X2 = 2 LEDs with sinking (NPN) signal and power

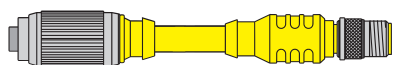
Length in Meters

- (blank) = no barb fitting, L style only
- T = T barb fitting
- A = armored cable
- Q = quick turn

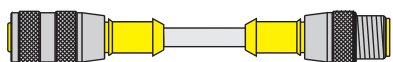
Cordset Part Number Key

Extension Examples:

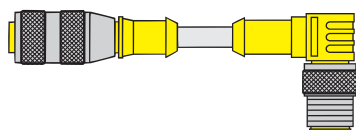
Hybrid connector extensions also available. Consult factory.



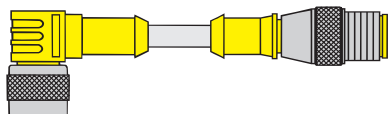
R K G 4.4 T - 2 - R S E 4.4 T /S600



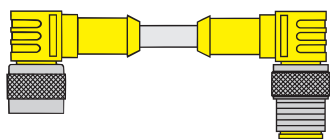
R K 4.4 T - 2 - R S 4.4 T



R K 4.4 T - 2 - W S 4.4 T



W K 4.4 T - 2 - R S 4.4 T

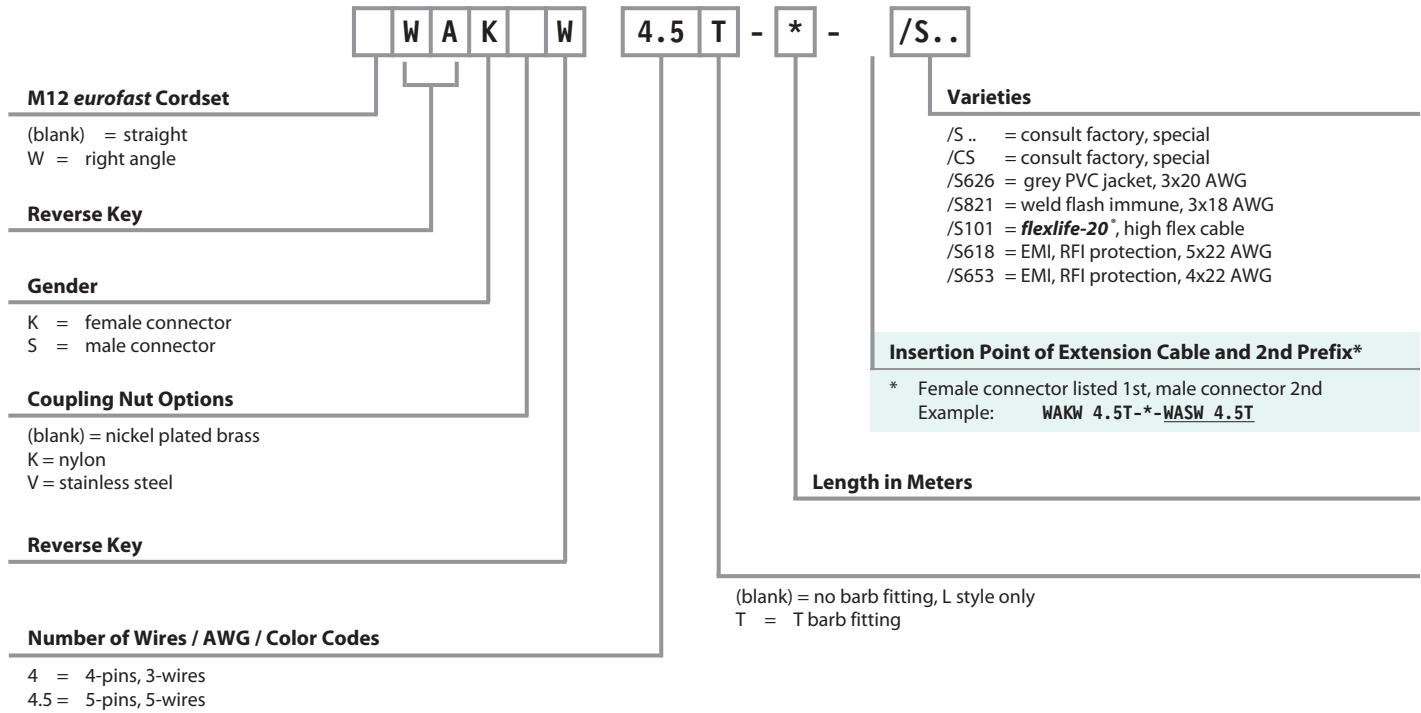


W K 4.4 T - 2 - W S 4.4 T

eurofast

Reverse Key (B-Code) Cordset Part Number Key

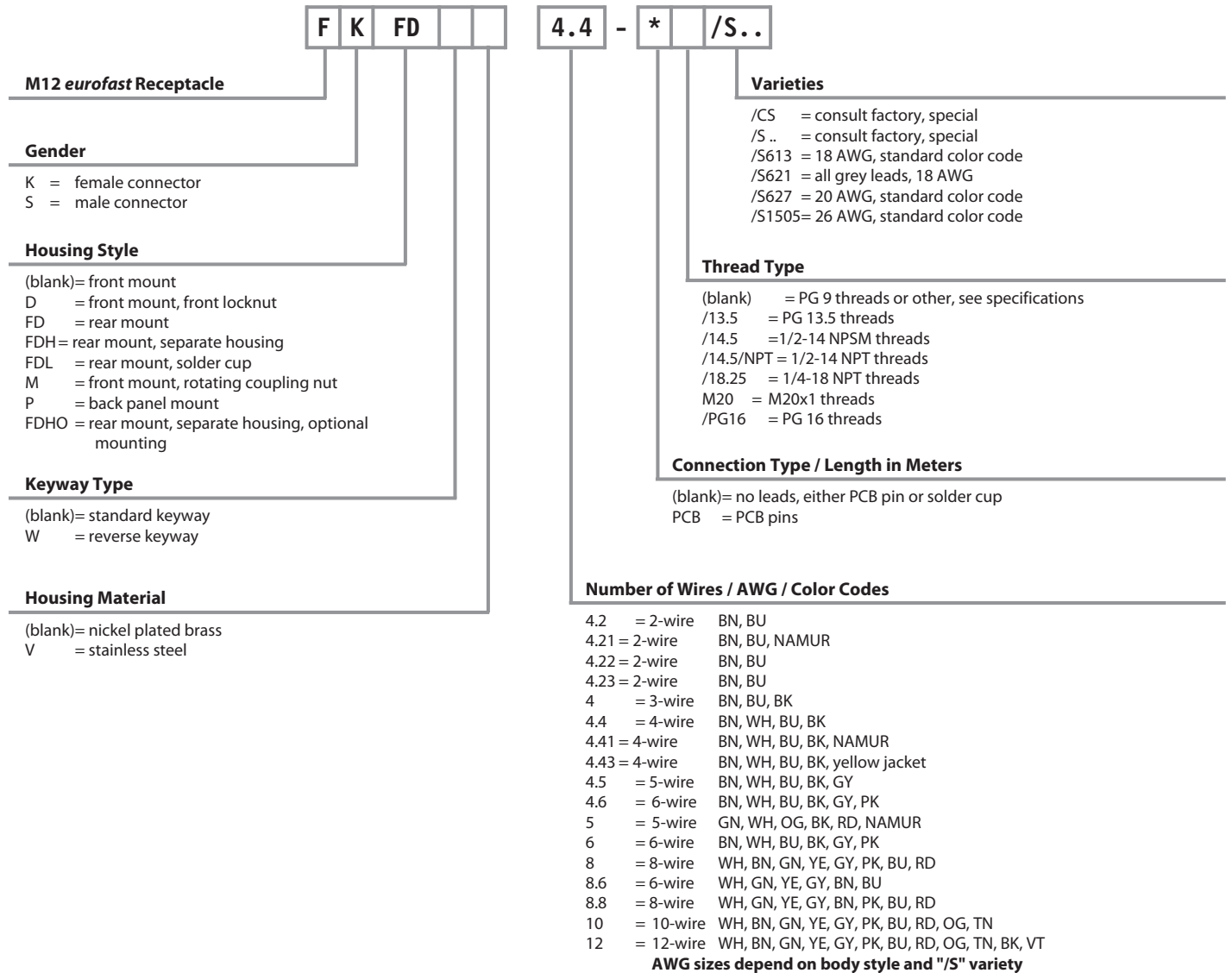
Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



AWG sizes depend on body styles and "/S" variety

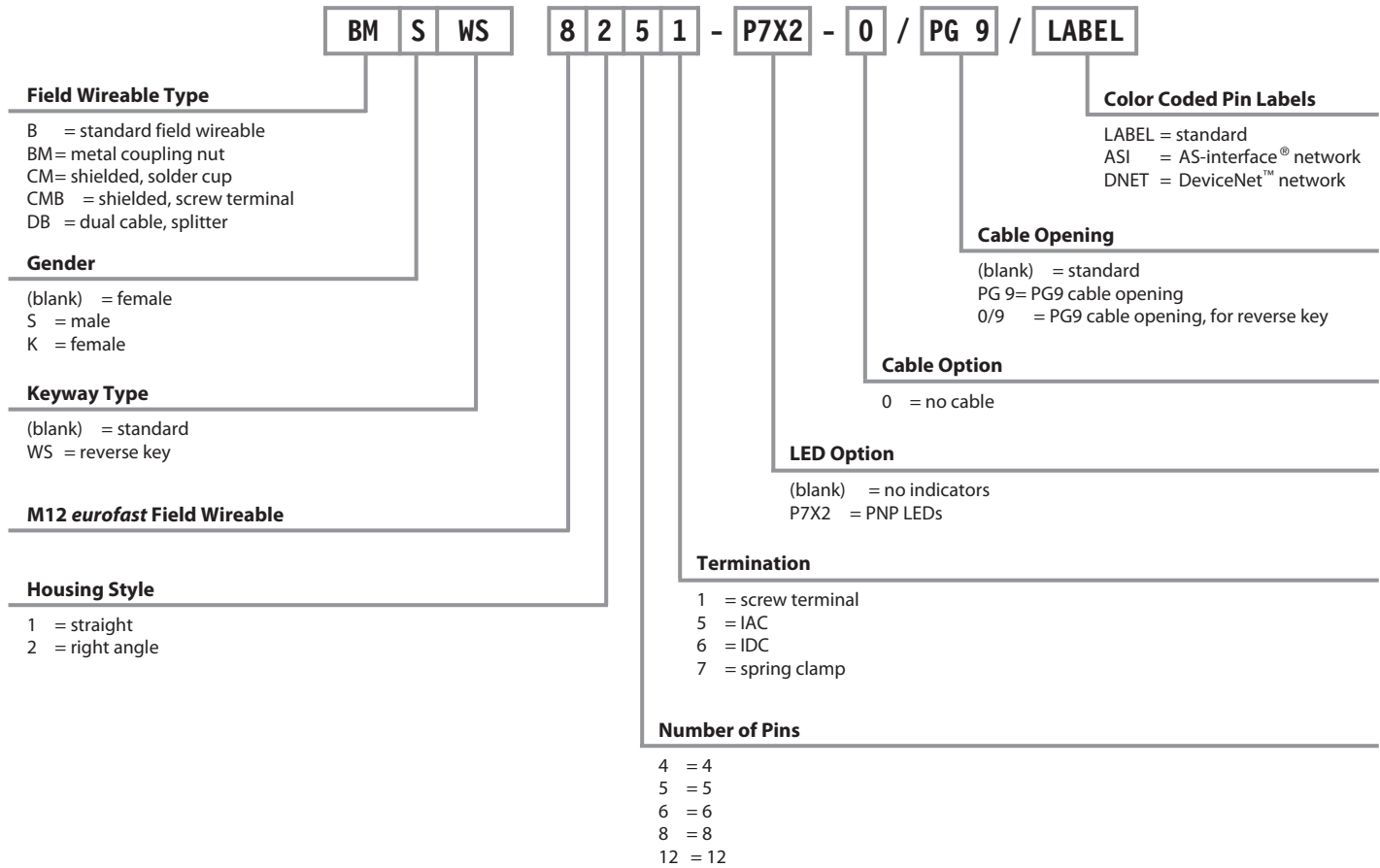
Receptacle Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



Field Wireable Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.

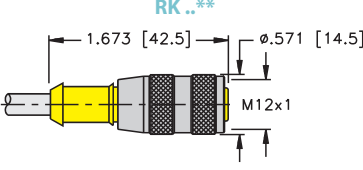
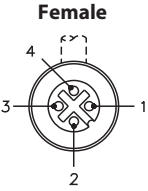
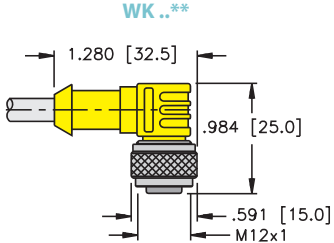
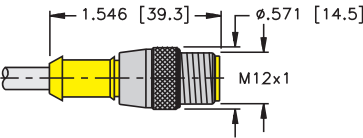
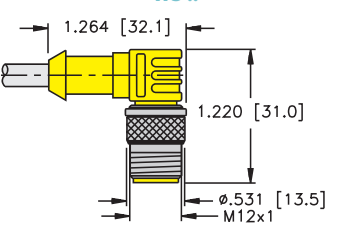


2-Wire Cordsets, Standard Plug Body



- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
RK ..** 	RK 4.2T-* WK 4.2T-*	RS 4.2T-* WS 4.2T-*	AWM PVC Grey, 2x20 AWG, 105°C, 5.1 mm OD, Cable #RF50529-*M†, flexlife®	1. N/C 2. N/C 3. BN 4. BU 
	RK 4.2T-*/S90 WK 4.2T-*/S90	RS 4.2T-*/S90 WS 4.2T-*/S90	ITC/PLTC TPU Grey, 2x20 AWG, 105°C, 5.1 mm OD, Cable #RF50772-*M†, Cut/Abrasion Immune, tray rated	
WK ..** 	RK 4.2T-*/S748 WK 4.2T-*/S748	RS 4.2T-*/S748 WS 4.2T-*/S748	AWM PVC Yellow, 2x22 AWG, 105°C, 5.1 mm OD, Cable #RF50650-*M†, flexlife	1. WH 2. N/C 3. N/C 4. BK
	RK 4.21T-*/S1511 WK 4.21T-*/S1511	RS 4.21T-*/S1511 WS 4.21T-*/S1511	AWM PVC Grey, 2x20 AWM PVC, 105°C, 5.1 mm OD, Cable #RF50529-*M†	
RS ..** 	RK 4.21T-* WK 4.21T-*	RS 4.21T-* WS 4.21T-*	AWM PVC NAMUR Blue, 2x20 AWG, 105°C, 5.1 mm OD, Cable #RF20003-*M†	1. BN 2. BU 3. N/C 4. N/C
	RK 4.21T-*/S90 WK 4.21T-*/S90	RS 4.21T-*/S90 WS 4.21T-*/S90	AWM TPU NAMUR Blue, 2x20 AWG, 90°C, 5.1 mm OD, Cable #RF50657-*M†, Cut/Abrasion Immune	
WS ..** 	RK 4.22T-* WK 4.22T-*	RS 4.22T-* WS 4.22T-*	AWM PVC Grey, 2x20 AWG, 105°C, 5.1 mm OD, Cable #RF50529-*M†, flexlife	1. BN 2. N/C 3. BU 4. N/C
	RK 4.23T-* WK 4.23T-*	RS 4.23T-* WS 4.23T-*		1. BN 2. N/C 3. N/C 4. BU

Cordsets

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.
 ** Standard coupling nut material is nickel plated brass "RK .."; "RKK .." indicates nylon and "RKY .." indicates stainless steel.
 † See Section N for **reelfast**® cable information.

3-Wire Cordsets, Standard Plug Body

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RK ..**</p>	RK 4T-*	RS 4T-*	AWM PVC Grey, 3x20 AWG, 105°C, 5.1 mm OD, Cable #RF50528-*M [†] , flexlife [®]	<p>Female</p> <p>Male</p>
	WK 4T-*	WS 4T-*		
<p>WK ..**</p>	RK 4T-*/S90	RS 4T-*/S90	AWM TPU Grey, 3x20 AWG, 90°C, 5.1 mm OD, Cable #RF50518-*M [†] , Cut/Abrasion Immune	
	WK 4T-*/S90	WS 4T-*/S90		
<p>WK ..**</p>	RK 4T-*/S101	RS 4T-*/S101	AWM TPE Grey, 3x20 AWG, 105°C, 5.7 mm OD, Cable #RF50940-*M [†] , flexLife-20, High Flex Over 20 Million Cycles	
	WK 4T-*/S101	WS 4T-*/S101		
<p>RS ..**</p>	RK 4T-*/S529	RS 4T-*/S529	TPU/Heavy Braid Double Jacket Yellow, 3x20 AWG, 90°C, 5.1 mm OD, Cable #RF50832-*M [†] , Cut/Abrasion Immune Braided Mechanical Shield	
	WK 4T-*/S529	WS 4T-*/S529		
<p>RS ..**</p>	RK 4T-*/S824	RS 4T-*/S824	PLTC AWM PVC Grey, 3x20 AWG, 105°C, 5.1 mm OD, Cable #RF50829-*M [†] , Tray Rated	
	WK 4T-*/S824	WS 4T-*/S824		
<p>WS ..**</p>	RK 4T-*/S715	RS 4T-*/S715	AWM PVC Yellow, 3x20 AWG, 105°C, 5.1 mm OD, Cable #RF50674-*M [†] , flexlife	
	WK 4T-*/S715	WS 4T-*/S715		
<p>WS ..**</p>	RK 4T-*/S760	RS 4T-*/S760	AWM PVC Black, 3x20 AWG, 105°C, 5.1 mm OD, Cable #RF50795-*M [†] , flexlife	
	WK 4T-*/S760	WS 4T-*/S760		
<p>WS ..**</p>	RK 4T-*/S618	RS 4T-*/S618	ITC/PLTC PVC Grey, 3x20 AWG, Foil/Drain, 105°C 5.7 mm OD, Cable #RF50611-*M [†] , RFI/EMI Shielding, tray rated	
	WK 4T-*/S618	WS 4T-*/S618		

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass "RK .."; "RKK .." indicates nylon and "RKV .." indicates stainless steel.

† See Section N for **reelfast**® cable information.



4-Wire Cordsets, Standard Plug Body

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RK ..**</p>	RK 4.41T-* WK 4.41T-*	RS 4.41T-* WS 4.41T-*	AWM PVC NAMUR Blue, 4x22 AWG, 105°C, 5.1 mm OD, Cable #RF50598-*M†, flexlife*	<p>Female</p> <p>Male</p>
	RK 4.41T-*/S529 WK 4.41T-*/S529	RS 4.41T-*/S529 WS 4.41T-*/S529	TPU/Heavy Braid Double Jacket Yellow, 4x20 AWG, 90°C, 5.7 mm OD, Cable #RF50526-*M†, Cut/Abrasion Immune Braided Mechanical Shield	
<p>WK ..**</p>	RK 4.43T-* WK 4.43T-*	RS 4.43T-* WS 4.43T-*	AWM PVC Yellow, 4x22 AWG, 105°C, 5.1 mm OD, Cable #RF50530-*M†, flexlife	
	RK 4.43T-*/S90 WK 4.43T-*/S90	RS 4.43T-*/S90 WS 4.43T-*/S90	ITC/PLTC TPU Yellow, 4x22 AWG, 105°C, 5.3 mm OD, Cable #RF50613-*M†, Cut/Abrasion Immune, tray rated	
	RK 4.4T-* WK 4.4T-*	RS 4.4T-* WS 4.4T-*	AWM PVC Grey, 4x22 AWG, 105°C, 5.1 mm OD, Cable #RF50516-*M†, flexlife	
<p>RS ..**</p>	RK 4.4T-*/S90 WK 4.4T-*/S90	RS 4.4T-*/S90 WS 4.4T-*/S90	AWM TPU Grey, 4x22 AWG, 90°C, 5.1 mm OD, Cable #RF50532-*M†, Cut/Abrasion Immune	
	RK 4.4T-*/S101 WK 4.4T-*/S101	RS 4.4T-*/S101 WS 4.4T-*/S101	AWM TPE Grey, 4x22 AWG, 105°C, 5.7 mm OD, Cable #RF50941-*M†, flexLife-20, High Flex Over 20 Million Cycles	
	RK 4.4T-*/S824 WK 4.4T-*/S824	RS 4.4T-*/S824 WS 4.4T-*/S824	ITC/PLTC PVC Grey, 4x22 AWG, 105°C, 5.3 mm OD, Cable #RF50698-*M†, Tray Rated	
<p>WS ..**</p>	RK 4.4T-*/S618 WK 4.4T-*/S618	RS 4.4T-*/S618 WS 4.4T-*/S618	AWM PVC Grey, 4x22 AWG Foil/Drain, 105°C, 5.1 mm OD, Cable #RF50577-*M†, RFI/EMI Shielding	
	RK 4.4T-*/S618/S824 WK 4.4T-*/S618/S824	RS 4.4T-*/S618/S824 WS 4.4T-*/S618/S824	ITC/PLTC PVC Grey, 4x22 AWG Foil/Drain, 105°C, 5.1 mm OD, Cable #RF50773-*M†, RFI/EMI Shielding, Tray Rated	

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.
 ** Standard coupling nut material is nickel plated brass "RK .."; "RKK .." indicates nylon and "RKV .." indicates stainless steel.
 † See Section N for **reelfast**® cable information.

4-Wire Cordsets, Standard Plug Body

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 VAC/300 VDC, 4 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RK ..**</p>	<p>RK 4.4T-*/S653 WK 4.4T-*/S653</p>	<p>RS 4.4T-*/S653 WS 4.4T-*/S653</p>	<p>ITC/PLTC PVC Grey, 3x20 AWG Foil/Drain, 105°C, 5.7 mm OD, Cable #RF50611-*M†, RFI/EMI Protection, tray rated</p>	<p>1. BN 2. Drain 3. BU 4. BK</p>
<p>WK ..**</p>	<p>RK 4.4T-*/S760 WK 4.4T-*/S760</p>	<p>RS 4.4T-*/S760 WS 4.4T-*/S760</p>	<p>AWM PVC Black, 4x22 AWG, 105°C, 5.1 mm OD, Cable #RF50983-*M†, flexlife®</p>	<p>Female</p>
<p>RS ..**</p>	<p>RK 4.4T-*/S90/S670 WK 4.4T-*/S90/S670</p>	<p>RS 4.4T-*/S90/S670 WS 4.4T-*/S90/S670</p>	<p>AWM TPU Black, 4x26 AWG, 90°C, 4.4 mm OD, Cable #RF50586-*M†, Cut/Abrasion Immune</p>	
<p>WS ..**</p>	<p>RK 4.4T-*/S1587 WK 4.4T-*/S1587</p>	<p>RS 4.4T-*/S1587 WS 4.4T-*/S1587</p>	<p>ITC/PLTC/AWM TPE Yellow, 4x22 AWG, 105°C, 5.1 mm OD, Cable #RF51132-*M†, weldlife, Weld Flash Immune</p>	<p>1. BN 2. WH 3. BU 4. BK</p>
<p>WS ..**</p>	<p>RK 4.4T-*/XOR WK 4.4T-*/XOR</p>	<p>RS 4.4T-*/XOR WS 4.4T-*/XOR</p>	<p>PVC Yellow, 4x20 AWG, 80°C 250°C short term, 5.2 mm OD, Cable #RF04304-*M†, Weld Flash Immune, High Temp. Resistance</p>	<p>Male</p>
<p>WS ..**</p>	<p>RK 4.4T-*/S1666 WK 4.4T-*/S1666</p>	<p>RS 4.4T-*/S1666 WS 4.4T-*/S1666</p>	<p>AWM TPU Grey, 2: 2x22 AWG, STP Foil/Drain, 90°C, 6.2 mm OD, Cable #RF51069-*M†, Cut/Abrasion Immune, Shielded Twisted Pair for Communication</p>	

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass "RK .."; "RKK .." indicates nylon and "RKV .." indicates stainless steel.

† See Section N for reelfast® cable information.

5-Wire Cordsets, Standard Plug Body



- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RK ..**</p>	RK 4.5T-* WK 4.5T-*	RS 4.5T-* WS 4.5T-*	AWM PVC Grey, 5x22 AWG, 105°C, 5.7 mm OD Cable #RF50543-*M†, flexlife®	<p>Female</p> <p>1. BN 2. WH 3. BU 4. BK 5. GY</p> <p>Male</p> <p>1. BN 2. WH 3. BU 4. BK 5. Drain</p>
<p>WK ..**</p>	RK 4.5T-*/S90 WK 4.5T-*/S90	RS 4.5T-*/S90 WS 4.5T-*/S90	ITC/PLTC TPU Grey, 5x22 AWG, 105°C, 5.7 mm OD, Cable #RF50649-*M†, Cut/Abrasion Immune, tray rated	
<p>RS ..**</p>	RK 4.5T-*/S101 WK 4.5T-*/S101	RS 4.5T-*/S101 WS 4.5T-*/S101	AWM TPE Grey, 5x22 AWG, 105°C, 5.7 mm OD, Cable #RF50909-*M†, flexlife-20, High Flex Over 20 Million Cycles	
<p>WS ..**</p>	RK 4.5T-*/S618 WK 4.5T-*/S618	RS 4.5T-*/S618 WS 4.5T-*/S618	AWM PVC Grey, 5x22 AWG Foil/Drain, 105°C, 5.7 mm OD, Cable #RF50609-*M†, RFI/EMI Protection	
	RK 4.5T-*/S715 WK 4.5T-*/S715	RS 4.5T-*/S715 WS 4.5T-*/S715	AWM PVC Yellow, 5x22 AWG, 105°C, 5.7 mm OD, Cable #RF50684-*M†, flexlife	
	RK 4.5T-*/S653 WK 4.5T-*/S653	RS 4.5T-*/S653 WS 4.5T-*/S653	AWM PVC Grey, 4x22 AWG Foil/Drain, 105°C, 5.1 mm OD, Cable #RF50577-*M†, RFI/EMI Shielding	
	RK 4.5T-*/S1554 WK 4.5T-*/S1554	RS 4.5T-*/S1554 WS 4.5T-*/S1554	AWM PVC Black, 5x22 AWG Foil/Drain, 105°C, 5.7 mm OD, Cable #RF50794-*M†, RFI/EMI Shielding	

Cordsets

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.
 ** Standard coupling nut material is nickel plated brass "RK .."; "RKK .." indicates nylon and "RKV .." indicates stainless steel.
 † See Section N for **reelfast**® cable information.

6-Wire Cordsets, Standard Plug Body

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RK ..**</p>	<p>RK 4.6T-* WK 4.6T-*</p>	<p>RS 4.6T-* WS 4.6T-*</p>	<p>AWM PVC Grey, 6x24 AWG, 105°C, 5.1 mm OD, Cable #RF50608-*M†, flexlife*</p>	<p>Female</p> <p>1. BN 2. WH 3. BU 4. BK 5. GY 6. PK</p> <p>Male</p> <p>1. BN 2. WH 3. BU 4. BK 5. GY 6. Drain</p>
<p>WK ..**</p>	<p>RK 4.6T-*/S90 WK 4.6T-*/S90</p>	<p>RS 4.6T-*/S90 WS 4.6T-*/S90</p>	<p>AWM TPU Grey, 6x24 AWG, 90°C, 5.7 mm OD, Cable #RF50646-*M†, Cut/Abrasion Immune</p>	
<p>RS ..**</p>	<p>RK 4.6T-*/S90/S760 WK 4.6T-*/S90/S760</p>	<p>RS 4.6T-*/S90/S760 WS 4.6T-*/S90/S760</p>	<p>AWM TPU Black, 6x24 AWG, 90°C, 5.7 mm OD, Cable #RF50728-*M†, Cut/Abrasion Immune</p>	
<p>WS ..**</p>	<p>RK 4.6T-*/S618 WK 4.6T-*/S618</p>	<p>RS 4.6T-*/S618 WS 4.6T-*/S618</p>	<p>AWM PVC Grey, 6x24 AWG Foil/Drain, 105°C, 5.1 mm OD, Cable #RF50610-*M†, RFI/EMI Shielding</p>	
<p>WS ..**</p>	<p>RK 4.6T-*/S653 WK 4.6T-*/S653</p>	<p>RS 4.6T-*/S653 WS 4.6T-*/S653</p>	<p>AWM PVC Grey, 5x22 AWG Foil/Drain, 105°C, 5.7 mm OD, Cable #RF50609-*M†, RFI/EMI Shielding</p>	

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass "RK .."; "RKK .." indicates nylon and "RKV .." indicates stainless steel.

† See Section N for **reelfast**® cable information.

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 60 VAC/75 VDC, 2 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RK ..**</p>	RK 10T-*	RS 10T-*	AWM PVC Grey, 10x24 AWG, 105°C, 6.2 mm OD, Cable #RF51004-*M [†] , flexlife®	<p>Female</p> <ol style="list-style-type: none"> WH BN GN YE GY PK BU RD OG TN
	RK 10T-*/S90	RS 10T-*/S90	AWM TPU Grey, 10x24 AWG, 90°C, 6.2 mm OD, Cable #RF51005-*M [†] , Cut/Abrasion Immune	<p>Male</p>
	RK 12T-*	RS 12T-*	AWM PVC Grey, 12x24 AWG, 105°C, 6.3 mm OD, Cable #RF50991-*M [†] , flexlife®	<p>Female</p> <ol style="list-style-type: none"> WH BN GN YE GY PK BU RD OG TN BK VT
	RK 12T-*/S90	RS 12T-*/S90	AWM TPU Grey, 12x24 AWG, 90°C, 6 mm OD, Cable #RF50990-*M [†] , Cut/Abrasion Immune	<p>Male</p>

Cordsets

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.
 ** Standard coupling nut material is nickel plated brass "RK .."; "RKK .." indicates nylon and "RKV .." indicates stainless steel.
 † See Section N for **reelfast**® cable information.

2 and 3-Wire Cordsets, "C" Style Medium Plug Body

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKC ..**</p>	<p>RKC 4.2T-* WKC 4.2T-*</p>	<p>RSC 4.2T-* WSC 4.2T-*</p>	<p>AWM PVC Yellow, 2x18 AWG, 105°C, 7.2 mm OD, Cable #RF50511-*M†, flexlife®</p>	<p>Female</p>
<p>WKC ..**</p>	<p>RKC 4.2T-*/CS10191 WKC 4.2T-*/CS10191</p>	<p>RSC 4.2T-*/CS10191 WSC 4.2T-*/CS10191</p>	<p>AWM PVC NAMUR Blue, 2x18 AWG, 105°C, 7.2 mm OD, Cable #RF50843-*M†, flexlife, Black Plug Body</p>	
<p>RSC ..**</p>	<p>RKC 4T-* WKC 4T-*</p>	<p>RSC 4T-* WSC 4T-*</p>	<p>ITC/PLTC PVC Yellow, 3x18 AWG, 105°C, 7.2 mm OD, Cable #RF50513-*M†, flexlife, tray rated</p>	
<p>WSC ..**</p>	<p>RKC 4T-*/S1062 WKC 4T-*/S1062</p>	<p>RSC 4T-*/S1062 WSC 4T-*/S1062</p>	<p>ITC/PLTC PVC Yellow, 3x18 AWG, 105°C, 7.2 mm OD, Cable #RF50513-*M†, flexlife® Cable, PVC plug body with PVC contact carriers, tray rated</p>	<p>Male</p>

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass "RKC .."; "RKC .." indicates stainless steel.

† See Section N for **reelfast**® cable information.

TURCK M12 eurofast® Connectivity

4-Wire Cordsets, "C" Style Medium Plug Body



- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKC ..**</p> <p>WKC ..**</p>	RKC 4.4T-* WKC 4.4T-*	RSC 4.4T-* WSC 4.4T-*	AWM PVC Yellow, 4x18 AWG, 105°C, 7.2 mm OD, Cable #RF50579-*M†, flexlife®	<p>Female</p> <p>4 3 2 1</p> <p>Male</p> <p>4 3 2 1</p>
	RKC 4.4T-*/S90 WKC 4.4T-*/S90	RSC 4.4T-*/S90 WSC 4.4T-*/S90	ITC/PLTC TPU Yellow, 4x18 AWG, 90°C, 7.2 mm OD, Cable #RF50544-*M†, cut/Abrasion Immune, tray rated	
RKC 4.4T-*/S622 WKC 4.4T-*/S622	RSC 4.4T-*/S622 WSC 4.4T-*/S622	AWM PVC Grey, 4x18 AWG, 105°C, 7.2 mm OD, Cable #RF50580-*M†, flexlife		
RKC 4.4T-*/S824 WKC 4.4T-*/S824	RSC 4.4T-*/S824 WSC 4.4T-*/S824	ITC/PLTC PVC Grey, 4x18 AWG, 105°C, 7.2 mm OD, Cable #RF50844-*M†, Tray Rated		
RKC 4.4T-*/S1587 WKC 4.4T-*/S1587	RSC 4.4T-*/S1587 WSC 4.4T-*/S1587	ITC/PLTC TPE Yellow, 4x18 AWG, 105°C, 6.86 mm OD, Cable #RF50956-*M†, Weld Flash Immune, weldlife®		
RKC 4.4T-*/S101/S849 WKC 4.4T-*/S101/S849	RSC 4.4T-*/S101/S849 WSC 4.4T-*/S101/S849	AWM TPE Grey, 4x22 AWG, 105°C, 5.7 mm OD, Cable #RF50941-*M†, flexLife-20, High Flex Over 20 Million Cycles		
RKC 4.4T-*/S101 WKC 4.4T-*/S101	RSC 4.4T-*/S101 WSC 4.4T-*/S101	AWM TPE Yellow, 4x18 AWG, 105°C, 6.4 mm OD, Cable #RF50968-*M†, flexLife-20, High Flex Over 20 Million Cycles		
RKC 4.4T-*/S1062 WKC 4.4T-*/S1062	RSC 4.4T-*/S1062 WSC 4.4T-*/S1062	AWM PVC Yellow, 4x18 AWG, 105°C, 7.2 mm OD, Cable #RF50579-*M†, flexlife® Cable, PVC plug body with PVC contact carriers		

Cordsets

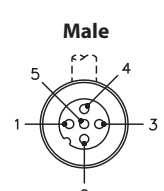
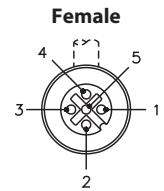
* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.
 ** Standard coupling nut material is nickel plated brass "RKC .."; "RKCV .." indicates stainless steel.
 † See Section N for **reelfast**® cable information.

5-Wire Cordsets, "C" Style Medium Plug Body

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKC ..**</p>	<p>RKC 4.5T-*/S653 WKC 4.5T-*/S653</p>	<p>RSC 4.5T-*/S653 WSC 4.5T-*/S653</p>	<p>ITC/PLTC AWM PVC Grey, 4x22 AWG, 105°C, Foil/Drain, 5.1 mm OD, Cable #RF50773-*M†, RFI/EMI Shielding, Tray Rated</p>	<p>1. BN 2. WH 3. BU 4. BK 5. Drain</p>
<p>WKC ..**</p>	<p>RKC 4.5T-*/S1538 WKC 4.5T-*/S1538</p>	<p>RSC 4.5T-*/S1538 WSC 4.5T-*/S1538</p>	<p>AWM PVC Grey, 5x18 AWG, 105°C, 7.2 mm OD, Cable #RF50630-*M†, flexlife*</p>	<p>1. BN 2. WH 3. BU 4. BK 5. GN/YE</p>
<p>RKC ..**</p>	<p>RKC 4.5T-*/S1062 WKC 4.5T-*/S1062</p>	<p>RSC 4.5T-*/S1062 WSC 4.5T-*/S1062</p>	<p>AWM PVC Yellow, 5x22 AWG, 105°C, 5.7 mm OD, Cable #RF50684-*M†, flexlife</p>	<p>1. BN 2. WH 3. BU 4. BK 5. GY</p>
<p>RSC ..**</p>	<p>RKC 4.5T-*/CS10288 WKC 4.5T-*/CS10288</p>	<p>RSC 4.5T-*/CS10288 WSC 4.5T-*/CS10288</p>	<p>AWM PVC Yellow, 5x18 AWG, 105°C, 7.2 mm OD, Cable #RF50549-*M†, flexlife*</p>	<p>1. BN 2. WH 3. BU 4. BK 5. GN/YE</p>
<p>WSC ..**</p>	<p>RKC 4.5T-*/S1062 WKC 4.5T-*/S1062</p>	<p>RSC 4.5T-*/S1062 WSC 4.5T-*/S1062</p>	<p>AWM PVC Grey, 5x22 AWG, 105°C, 5.7 mm OD, Cable #RF50543-*M†, flexlife* Cable, PVC plug body with PVC contact carriers</p>	<p>1. BN 2. WH 3. BU 4. BK 5. GY</p>
<p>RSC ..**</p>	<p>RKC 4.5T-*/S1587 WKC 4.5T-*/S1587</p>	<p>RSC 4.5T-*/S1587 WSC 4.5T-*/S1587</p>	<p>AWM TPE Yellow, 5x18 AWG, 105°C, 6.4 mm OD, Cable #RF51232-*M†, weldlife, Weld Flash Immune</p>	<p>1. BN 2. WH 3. BU 4. BK 5. GY</p>
<p>WSC ..**</p>	<p>RKC 4.5T-*/S1587 WKC 4.5T-*/S1587</p>	<p>RSC 4.5T-*/S1587 WSC 4.5T-*/S1587</p>	<p>ITC/PLTC PVC NAMUR Blue, 5x22 AWG, 105°C, 6.9 mm OD, Cable #RF50767-*M†, flexlife*, for VBN 40-H1141 MultiBox</p>	<p>1. GN 2. WH 3. OG 4. BK 5. RD</p>



* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass "RKC .."; "RKC .." indicates stainless steel.

† See Section N for **reelfast**® cable information.

TURCK M12 eurofast® Connectivity

6-Wire Cordsets, "C" Style Medium Plug Body



- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 60 VAC/75 VDC, 2 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKC ..**</p>	RKC 6T-* WKC 6T-*	RSC 6T-* WSC 6T-*	AWM PVC Grey, 6x24 AWG, 105°C, 5.1 mm OD, Cable #RF50608-*M†, flexlife*	<p>Female</p>
	RKC 6T-*/S90 WKC 6T-*/S90	RSC 6T-*/S90 WSC 6T-*/S90	AWM TPU Grey, 6x24 AWG, 90°C, 5.7 mm OD, Cable #RF50646-*M†, Cut/Abrasion Immune	
RKC 6T-*/S101 WKC 6T-*/S101	RSC 6T-*/S101 WSC 6T-*/S101	AWM TPE Grey, 6x24 AWG, 105°C, 5.7 mm OD, Cable #RF50910-*M†, flexlife-20, high flex over 20 million cycles		
RKC 6T-*/S90/S760 WKC 6T-*/S90/S760	RSC 6T-*/S90/S760 WSC 6T-*/S90/S760	AWM TPU Black, 6x24 AWG, 90°C, 5.7 mm OD, Cable #RF50728-*M†, Cut/Abrasion Immune		
RKC 6T-*/S529 WKC 6T-*/S529	RSC 6T-*/S529 WSC 6T-*/S529	AWM TPU Yellow, 6x24 AWG, 90°C, 6.2 mm OD, Cable #RF51120-*M†, Cut/Abrasion immune, braided mechanical shield		
RKC 6T-*/S849/S1052 WKC 6T-*/S849/S1052	RSC 6T-*/S849/S1052 WSC 6T-*/S849/S1052	AWM PVC Grey, 6x22 AWG, 105°C, 6.2 mm OD, Cable #RF51284-*M†, flexlife, 22 AWG conductors, grey cable		
RKC 6T-*/S618 WKC 6T-*/S618	RSC 6T-*/S618 WSC 6T-*/S618	AWM PVC Grey, 6x24 AWG Foil/Drain, 105°C, 5.1 mm OD, Cable #RF50610-*M†, RFI/EMI Shielding		
RKC 6T-*/S653 WKC 6T-*/S653	RSC 6T-*/S653 WSC 6T-*/S653	AWM PVC Grey, 5x22 AWG Foil/Drain, 105°C, 5.7 mm OD, Cable #RF50609-*M†, RFI/EMI Shielding		
RKC 6T-*/S90/CS10476 WKC 6T-*/S90/CS10476	RSC 6T-*/S90/CS10476 WSC 6T-*/S90/CS10476	AWM TPU NAMUR Blue, 5x24 AWG Foil/Drain, 90°C, 5.7 mm OD, Cable #RF50928-*M†, Cut/Abrasion Immune		
<p>WKC ..**</p>				
				RKC 6T-*/S90/S760 WKC 6T-*/S90/S760
RKC 6T-*/S529 WKC 6T-*/S529	RSC 6T-*/S529 WSC 6T-*/S529	AWM TPU Yellow, 6x24 AWG, 90°C, 6.2 mm OD, Cable #RF51120-*M†, Cut/Abrasion immune, braided mechanical shield		
RKC 6T-*/S849/S1052 WKC 6T-*/S849/S1052	RSC 6T-*/S849/S1052 WSC 6T-*/S849/S1052	AWM PVC Grey, 6x22 AWG, 105°C, 6.2 mm OD, Cable #RF51284-*M†, flexlife, 22 AWG conductors, grey cable		
RKC 6T-*/S618 WKC 6T-*/S618	RSC 6T-*/S618 WSC 6T-*/S618	AWM PVC Grey, 6x24 AWG Foil/Drain, 105°C, 5.1 mm OD, Cable #RF50610-*M†, RFI/EMI Shielding		
RKC 6T-*/S653 WKC 6T-*/S653	RSC 6T-*/S653 WSC 6T-*/S653	AWM PVC Grey, 5x22 AWG Foil/Drain, 105°C, 5.7 mm OD, Cable #RF50609-*M†, RFI/EMI Shielding		
RKC 6T-*/S90/CS10476 WKC 6T-*/S90/CS10476	RSC 6T-*/S90/CS10476 WSC 6T-*/S90/CS10476	AWM TPU NAMUR Blue, 5x24 AWG Foil/Drain, 90°C, 5.7 mm OD, Cable #RF50928-*M†, Cut/Abrasion Immune		
<p>RSC ..**</p>				
				RKC 6T-*/S618 WKC 6T-*/S618
<p>WSC ..**</p>				
				RKC 6T-*/S653 WKC 6T-*/S653
RKC 6T-*/S90/CS10476 WKC 6T-*/S90/CS10476	RSC 6T-*/S90/CS10476 WSC 6T-*/S90/CS10476	AWM TPU NAMUR Blue, 5x24 AWG Foil/Drain, 90°C, 5.7 mm OD, Cable #RF50928-*M†, Cut/Abrasion Immune	1. BN 2. WH 3. BU 4. BK 5. GY 6. PK	

Cordsets

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.
 ** Standard coupling nut material is nickel plated brass "RKC .."; "RKCV .." indicates stainless steel.
 † See Section N for **reelfast**® cable information.

8-Wire Cordsets, "C" Style Medium Plug Body

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 60 VAC/75 VDC, 2 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKC ..** 1.654 [42.0] 0.589 [15.0] M12x1 ANTI-VIBRATION DETENT</p>	RKC 8.6T-* WKC 8.6T-*	RSC 8.6T-* WSC 8.6T-*	AWM PVC Black, 6x24 AWG Foil/Drain, 105°C, 5.1 mm OD, Cable #RF50845-*M†, flexlife®, for picofast 4-port Multibox	1. WH 2. GN 3. YE 4. GY 5. BN 6. N/C 7. BU 8. N/C
	RKC 8T-* WKC 8T-*	RSC 8T-* WSC 8T-*	AWM PVC Grey, 8x24 AWG, 105°C, 5.7 mm OD, Cable #RF50753-*M†, flexlife	<p>Female</p>
	RKC 8T-*/S715 WKC 8T-*/S715	RSC 8T-*/S715 WSC 8T-*/S715	AWM PVC Yellow, 8x24 AWG, 105°C, 5.7 mm OD, Cable #RF50884-*M†, flexlife	
<p>WKC ..** 1.736 [44.1] 1.122 [28.5] 0.532 [13.5] M12x1</p>	RKC 8T-*/S90 WKC 8T-*/S90	RSC 8T-*/S90 WSC 8T-*/S90	AWM TPU Grey, 8x24 AWG, 90°C, 5.7 mm OD, Cable #RF50984-*M†, Cut/Abrasion Immune	1. WH 2. BN 3. GN 4. YE 5. GY 6. PK 7. BU 8. RD
	RKC 8T-*/S101 WKC 8T-*/S101	RSC 8T-*/S101 WSC 8T-*/S101	AWM TPE Grey, 8x24 AWG, 105°C, 5.7 mm OD, Cable #RF50911-*M†, flexlife-20, High Flex Over 20 Million Cycles	<p>Male</p>
<p>RSC ..** 1.909 [48.5] 0.531 [13.5] M12x1</p>	RKC 8T-*/S618 WKC 8T-*/S618	RSC 8T-*/S618 WSC 8T-*/S618	AWM PVC Grey, 8x24 AWG Foil/Drain, 105°C, 5.7 mm OD, Cable #RF50815-*M†, RFI/EMI Shielding	
	RKC 8T-*/S1555 WKC 8T-*/S1555	RSC 8T-*/S1555 WSC 8T-*/S1555	AWM PVC Black, 7x24 AWG Foil/Drain, 105°C, 5.1 mm OD, Cable #RF50761-*M†, RFI/EMI Shielding	
<p>WSC ..** 1.736 [44.1] 1.377 [35.0] 0.531 [13.5] M12x1</p>	RKC 8.8T-* WKC 8.8T-*	RSC 8.8T-* WSC 8.8T-*	AWM PVC Grey, 8x24 AWG, 105°C, 5.7 mm OD, Cable #RF50753-*M†, flexlife	1. WH 2. GN 3. YE 4. GY 5. BN 6. PK 7. BU 8. RD

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.

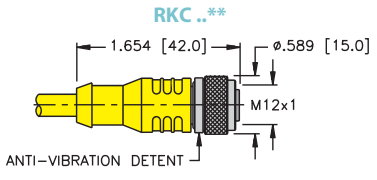
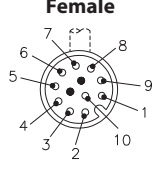
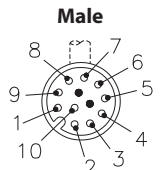
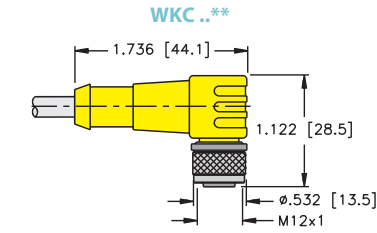
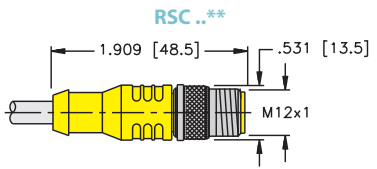
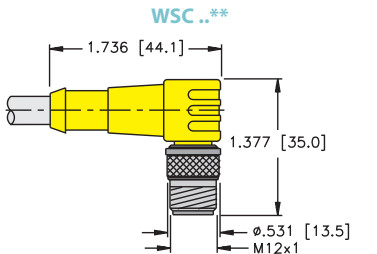
** Standard coupling nut material is nickel plated brass "RKC .."; "RKC .." indicates stainless steel.

† See Section N for reelfast® cable information.

10-Wire Cordsets, "C" Style Medium Plug Body

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 60 VAC/75 VDC, 2 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKC ..**</p> 	RKC 10T-* WKC 10T-*	RSC 10T-* WSC 10T-*	AWM PVC Grey, 10x24 AWG, 105°C, 6.2 mm OD, Cable #RF51004-*M†, flexlife °	<p>Female</p>  <p>1. WH 2. BN 3. GN 4. YE 5. GY 6. PK 7. BU 8. RD 9. OG 10. TN</p> <p>Male</p> 
<p>WKC ..**</p> 	RKC 10T-*/S90 WKC 10T-*/S90	RSC 10T-*/S90 WSC 10T-*/S90	AWM TPU Grey, 10x24 AWG, 90°C, 6.2 mm OD, Cable #RF51005-*M†, Cut/Abrasion Immune	
<p>RSC ..**</p> 	RKC 10T-*/S101 WKC 10T-*/S101	RSC 10T-*/S101 WSC 10T-*/S101	AWM TPE Black, 10x24 AWG, 105°C, 7.0 mm OD, Cable #RF51077-*M†, flexLife-20, High Flex Over 20 Million Cycles	
<p>WSC ..**</p> 	RKC 10T-*/S618 WKC 10T-*/S618	RSC 10T-*/S618 WSC 10T-*/S618	AWM PVC Black, 10x24 AWG Foil/Drain, 105°C, 6.6 mm OD, Cable #RF51076-*M†, RFI/EMI Shielding	

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.
 ** Standard coupling nut material is nickel plated brass "RKC .."; "RKC .." indicates stainless steel.
 † See Section N for **reelfast**® cable information.

Cordsets

12-Wire Cordsets, "C" Style Medium Plug Body

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 60 VAC/75 VDC, 2 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKC ..**</p>	RKC 12T-* WKC 12T-*	RSC 12T-* WSC 12T-*	AWM PVC Grey, 12x24 AWG, 105°C, 6.3 mm OD, Cable #RF50991-*M†, flexlife®	<p>Female</p> <p>Male</p>
<p>WKC ..**</p>	RKC 12T-*/S90 WKC 12T-*/S90	RSC 12T-*/S90 WSC 12T-*/S90	AWM TPU Grey, 12x24 AWG, 90°C, 6.0 mm OD, Cable #RF50990-*M†, Cut/Abrasion Immune	
<p>RSC ..**</p>	RKC 12T-*/S101 WKC 12T-*/S101	RSC 12T-*/S101 WSC 12T-*/S101	AWM TPE Black, 12x24 AWG, 105°C, 7.0 mm OD, Cable #RF50943-*M†, flexLife-20, High Flex Over 20 Million Cycles	
<p>WSC ..</p>	RKC 12T-*/S618 WKC 12T-*/S618	RSC 12T-*/S618 WSC 12T-*/S618	AWM PVC Black, 12x24 AWG Foil/Drain, 105°C, 7.0 mm OD, Cable #RF50755-*M†, RFI/EMI Shielding	

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass "RKC .."; "RKC .." indicates stainless steel.

† See Section N for **reelfast**® cable information.

3 and 4-Wire Cordsets, "L" Style Compact Plug Body

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout	
	RKL 4-*	RSL 4-*	AWM PVC Grey, 3x20 AWG, 105°C, 5.1 mm OD, Cable #RF50528-*M [†] , flexlife [°]	1. BN 2. N/C 3. BU 4. BK	
	RKL 4-*/S90	RSL 4-*/S90	AWM TPU Grey, 3x22 AWG, 90°C, 5.1 mm OD, Cable #RF50518-*M [†] , Cut/Abrasion Immune		
	RKL 4.4-*	RSL 4.4-*	AWM PVC Grey, 4x22 AWG, 105°C, 5.1 mm OD, Cable #RF50516-*M [†] , flexlife	1. BN 2. WH 3. BU 4. BK	
	RKL 4.4-*/S90	RSL 4.4-*/S90	AWM TPU Grey, 4x22 AWG, 90°C, 5.1 mm OD, Cable #RF50532-*M [†] , Cut/Abrasion Immune		
	RKL 4.4-*/S715	RSL 4.4-*/S715	AWM PVC Yellow, 4x22 AWG, 105°C, 5.1 mm OD, Cable #RF50530-*M [†] , flexlife		

° Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.
 ** Standard coupling nut material is nickel plated brass "RKL ..".
 † See Section N for **reelfast**® cable information.

Cordsets

3 and 4-Wire Cordsets, "G" Style Large Plug Body

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
 	RKG 4T-*	RSG 4T-*	ITC/PLTC PVC Yellow, 3x18 AWG, 105°C, 7.2 mm OD, Cable #RF50513-*M [†] , flexlife [°] , tray rated	<p>1. BN 2. N/C 3. BU 4. BK</p> <p>Female</p> <p>Male</p>
	RKG 4T-*/S600	RSG 4T-*/S600	SJOOW, CPE Yellow, 3x18 AWG, 105°C, 8.0 mm OD, Cable #RF50654-*M [†] , Weld Flash Immune, Flame Resistance	
	RKG 4.4T-*	RSG 4.4T-*	AWM PVC Yellow, 4x18 AWG, 105°C, 7.2 mm OD, Cable #RF50579-*M [†] , flexlife	
	RKG 4.4T-*/S90	RSG 4.4T-*/S90	ITC/PLTC TPU Yellow, 4x18 AWG, 90°C, 7.2 mm OD, Cable #RF50544-*M [†] , Cut/Abrasion Immune	
	RKG 4.4T-*/S101/S849	RSG 4.4T-*/S101/S849	AWM TPE Grey, 4x22 AWG, 105°C, 5.7 mm OD, Cable #RF50941-*M [†] , flexlife-20, High Flex - Over 20 Million Cycles	
	RKG 4.4T-*/S101	RSG 4.4T-*/S101	AWM TPE Yellow, 4x18 AWG, 105°C, 6.4 mm OD, Cable #RF50968-*M [†] , flexlife-20, High Flex - Over 20 Million Cycles	
	RKG 4.4T-*/S529	RSG 4.4T-*/S529	TPU/Heavy Braid Double Jacket Yellow, 4x20 AWG, 90°C, 5.7 mm OD, Cable #RF50526-*M [†] , Cut/Abrasion Immune, Braided Mechanical Shield	
	RKG 4.4T-*/S1587	RSG 4.4T-*/S1587	ITC/PLTC TPE Yellow, 4x18 AWG, 105°C, 7.2 mm OD, Cable #RF50956-*M [†] , weldlife, Weld Flash Immune	

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass "RKG .."; "RKGV .." indicates stainless steel.

† See Section N for reelfast® cable information.

4, 5 and 6-Wire Cordsets, "G" Style Large Plug Body



- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A (4 & 5 pole)
- 60 VAC/75 VDC (6 pole)



Connector Style	Female Part Number	Male Part Number	Features	Pinout	
<p>RKG ..**</p>	RKG 4.4T-*/S600	RSG 4.4T-*/S600	SJOOW, CPE Yellow, 4x18 AWG, 105°C, 8.5 mm OD, Cable #RF50644-*M†, Weld Flash Immune Flame Resistance	<p>Female</p> <p>1. BN 2. WH 3. BU 4. BK</p> <p>Male</p>	
	RKG 4.5T-*	RSG 4.5T-*	AWM PVC Grey, 5x22 AWG, 105°C, 5.7 mm OD, Cable #RF50543-*M†, flexlife*	<p>Female</p> <p>1. BN 2. WH 3. BU 4. BK 5. GY</p>	
	RKG 4.5T-*/S90/S715	RSG 4.5T-*/S90/S715	AWM TPU Yellow, 5x18 AWG, 90°C, 7.2 mm OD, Cable #RF50751-*M†, Cut/Abrasion Immune	<p>Male</p> <p>1. BN 2. WH 3. BU 4. BK 5. GN/YE</p>	
	RKG 4.5T-*/S600	RSG 4.5T-*/S600	SJOOW CPE Yellow, 5x18 AWG, 105°C, 9.4 mm OD, Cable #RF50937-*M†, Weld Flash Immune, Flame Resistance	<p>Female</p> <p>1. BN 2. WH 3. BU 4. BK 5. GY</p>	
	<p>RSG ..**</p>	RKG 6T-*	RSG 6T-*	AWM PVC Grey, 6x24 AWG, 105°C, 5.1 mm OD, Cable #RF50608-*M†, flexlife	<p>Female</p> <p>1. BN 2. WH 3. BU 4. BK 5. GY 6. PK</p>
		RKG 6T-*/S90	RSG 6T-*/S90	AWM TPU Grey, 6x24 AWG, 90°C, 5.7 mm OD, Cable #RF50646-*M†, Cut/Abrasion Immune	<p>Male</p>

Cordsets

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.
 ** Standard coupling nut material is nickel plated brass "RKG .."; "RKGV .." indicates stainless steel.
 † See Section N for **reelfast**® cable information.

8, 10 and 12-Wire Cordsets, "G" Style Large Plug Body

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 60 VAC/75 VDC, 2 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKG ..**</p>	RKG 8T-*	RSG 8T-*	AWM PVC Grey, 8x24 AWG, 105°C, 5.7 mm OD, Cable #RF50753-*M†, flexlife UL Recognized, CSA Approved	<p>Female</p> <p>Male</p>
	RKG 8T-*/S90	RSG 8T-*/S90	AWM TPU Grey, 8x24 AWG, 90°C, 5.7 mm OD, Cable #RF50984-*M†, Cut/Abrasion Immune UL Recognized, CSA Approved	
<p>RSG ..**</p>	RKG 10T-*	RSG 10T-*	AWM PVC Grey, 10x24 AWG, 105°C, 6.2 mm OD, Cable #RF51004-*M†, flexlife†	<p>Female</p> <p>Male</p>
	RKG 10T-*/S618	RSG 10T-*/S618	AWM PVC Black, 10x24 AWG, Foil/Drain, 105°C, 6.6 mm OD, Cable #RF51076-*M†, RFI/EMI Shielding	
<p>RSG ..**</p>	RKG 12T-*	RSG 12T-*	AWM PVC Grey, 12x24 AWG, 105°C, 6.3 mm OD, Cable #RF50991-*M†, flexlife	<p>Female</p> <p>Male</p>
	RKG 12T-*/S618	RSG 12T-*/S618	AWM PVC Black, 12x24 AWG, Foil/Drain, 105°C, 7 mm OD, Cable #RF50755-*M†, RFI/EMI Shielding	

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass "RKG .."; "RKGV .." indicates stainless steel.

† See Section N for reelfast® cable information.

- Shield to Coupling Nut
- NEMA 1, 3, 4, 6P and IEC IP68 Protection
- 250 V, 4 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
	RKA 4A-*	RSA 4A-*	Interlock Al Armor, MC/ITC/PLTC, PVC Yellow, 3x18 AWG, 105°C, 13.5 mm OD, Cable #RF51040-*M†, Extreme Duty Armored Cable, Tray Rated	<p>Female</p> <p>Male</p>
	RKA 4.4A-*	RSA 4.4A-*	Interlock Al Armor, MC/ITC/PLTC, PVC Yellow, 4x18 AWG, 105°C, 13.5 mm OD, Cable #RF51041-*M†, Extreme Duty Armored Cable, Tray Rated	<p>Female</p> <p>Male</p>
	RKA 4.5A-*	RSA 4.5A-*	Interlock Al Armor, MC PVC Yellow, 5x18 AWG, 90°C, 14.9 mm OD, Cable #RF51042-*M†, Extreme Duty Armored Cable	<p>Female</p> <p>Male</p>

Cordsets

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass "RKA .."; "RKAV .." indicates stainless steel.

† See Section N for **reelfast**® cable information.

4, 5 and 6-Wire Cordsets, "S" Style, Shielded

- Shield to Coupling Nut
- IEC IP 67 Protection
- 250 V, 4 A (4 & 5 pole)
- 60 VAC/75 VDC, 2 A (6 pole)



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKS ..**</p>	RKS 4.4T-* WKS 4.4T-*	RSS 4.4T-* WSS 4.4T-*	AWM PVC Grey, 4x22 AWG, 105°C, 7.2 mm OD, Cable #RF50729-*M†, RFI/EMI shielding	<p>Female</p>
	RKS 4.4T-*/S90 WKS 4.4T-*/S90	RSS 4.4T-*/S90 WSS 4.4T-*/S90	ITC/PLTC TPU Grey, 4x22 AWG, 105°C, 7.2 mm OD, Cable #RF50810-*M†, RFI/EMI shielding	
<p>WKS ..**</p>	RKS 4.4T-*/S824 WKS 4.4T-*/S824	RSS 4.4T-*/S824 WSS 4.4T-*/S824	ITC/PLTC PVC Grey, 4x22 AWG, 105°C, 7.2 mm OD, Cable #RF50823-*M†, RFI/EMI shielding, Tray rated	<p>Female</p>
	RKS 4.5T-* WKS 4.5T-*	RSS 4.5T-* WSS 4.5T-*	AWM PVC Grey, 5x22 AWG, 105°C, 6.6 mm OD, Cable #RF50713-*M†, RFI/EMI shielding	
<p>RSS ..**</p>	RKS 6T-* WKS 6T-*	RSS 6T-* WSS 6T-*	AWM PVC Grey, 6x24 AWG, 105°C, 6.6 mm OD, Cable #RF50814-*M†, RFI/EMI shielding	<p>Female</p>
	RKS 6T-* WKS 6T-*	RSS 6T-* WSS 6T-*		

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass "RKS .."; "RKS SV .." indicates stainless steel.

† See Section N for **reelfast**® cable information.

TURCK M12 eurofast® Connectivity

8, 10 and 12-Wire Cordsets, "S" Style, Shielded



- Shield to Coupling Nut
- IEC IP 67 Protection
- 60 VAC/75 VDC, 2 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKS ..**</p> <p>WKS ..**</p>	<p>RKS 8T-* WKS 8T-*</p>	<p>RSS 8T-* WSS 8T-*</p>	<p>AWM PVC Grey, 8x24 AWG, 105°C, 7.2 mm OD, Cable #RF50813-*M†, RFI/EMI shielding, UL Recognized, CSA Approved</p>	<p>Female</p> <p>Male</p>
<p>RKS 10T-* WKS 10T-*</p>	<p>RKS 10T-* WKS 10T-*</p>	<p>RSS 10T-* WSS 10T-*</p>	<p>AWM PVC Grey, 10x24 AWG, 105°C, 7.2 mm OD, Cable #RF51006-*M†, RFI/EMI shielding</p>	<p>Female</p> <p>Male</p>
<p>RSS ..**</p> <p>WSS ..**</p>	<p>RKS 12T-* WKS 12T-*</p>	<p>RSS 12T-* WSS 12T-*</p>	<p>AWM PVC Grey, 12x24 AWG, 105°C, 7.2 mm OD, Cable #RF50988-*M†, RFI/EMI shielding</p>	<p>Female</p> <p>Male</p>

Cordsets

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass "RKS .."; "RKS .." indicates stainless steel..

3-Wire Cordsets with LEDs

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 10-30 VDC, 4 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKE ..**</p> <p>1.807 [45.9] ϕ.532 [13.5]</p> <p>M12x1</p> <p>LED 4x</p> <p>WK ..**</p> <p>Output (Yellow)</p> <p>Power (Green)</p> <p>LED 2x</p> <p>1.700 [43.2]</p> <p>1.142 [29.0]</p> <p>ϕ.551 [14.0]</p> <p>M12x1</p> <p>RSE ..**</p> <p>2.173 [55.2] ϕ.531 [13.5]</p> <p>M12x1</p> <p>LED 4x</p>	RKE 4T-*-P7X2 WK 4T-*-P7X2	RSE 4T-*-P7X2	AWM PVC Grey, 3x20 AWG, 105°C, 5.1 mm OD, Cable #RF50528-*M† PNP Signal, flexlife®	<p>Female</p> <p>1. BN 2. N/C 3. BU 4. BK</p> <p>Male</p>
	RKE 4T-*-N7X2 WK 4T-*-N7X2		AWM PVC Grey, 3x20 AWG, 105°C, 5.1 mm OD, Cable #RF50528-*M† NPN Signal, flexlife	
	RKE 4T-*-P7X2/S90 WK 4T-*-P7X2/S90	RSE 4T-*-P7X2/S90	AWM TPU Grey, 3x22 AWG, 90°C, 5.1 mm OD, Cable #RF50518-*M† PNP Signal, Cut/Abrasion Immune	
	RKE 4T-*-N7X2/S90 WK 4T-*-N7X2/S90		AWM TPU Grey, 3x22 AWG, 90°C, 5.1 mm OD, Cable #RF50518-*M† NPN Signal, Cut/Abrasion Immune	
	WK 4T-*-P7X2/S101		AWM TPE Grey, 3x20 AWG, 105°C, 5.7 mm OD, Cable #RF50940-*M† PNP Signal, flexlife-20, High Flex - Over 20 Million Cycles	
	WK 4T-*-N7X2/S101			
	WK 4T-*-P7X2/S618		ITC/PLTC PVC Grey, 3x20 AWG, 105°C, 5.7 mm OD Cable #RF50611-*M† PNP Signal, EMI/RFI Protection, tray rated	
	WK 4T-*-N7X2/S618			
	RKE 4T-*-P7X2/S715 WK 4T-*-P7X2/S715	RSE 4T-*-P7X2/S715	AWM PVC Yellow, 3x20 AWG, 105°C, 5.1 mm OD, Cable #RF50674-*M† PNP Signal, Flexlife	
	RKE 4T-*-N7X2/S715 WK 4T-*-N7X2/S715		AWM PVC Yellow, 3x20 AWG, 105°C, 5.1 mm OD, Cable #RF50674-*M† NPN Signal, Flexlife	
	RKE 4T-*-P7X2/S824 WK 4T-*-P7X2/S824	RSE 4T-*-P7X2/S824	PLTC PVC Grey, 3x20 AWG, 105°C, 5.1 mm OD, Cable #RF50829-*M† PNP Signal, Tray Rated	
	RKE 4T-*-N7X2/S824 WK 4T-*-N7X2/S824		PLTC PVC Grey, 3x20 AWG, 105°C, 5.1 mm OD, Cable #RF50829-*M† NPN Signal, Tray Rated	

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass "RKE..".

† See Section N for reelfast® cable information.

See page D88 for LED diagrams.

4-Wire Cordsets with LEDs

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 10-30 VDC, 4 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKE ..**</p> <p>1.807 [45.9] ϕ.532 [13.5]</p> <p>M12x1</p> <p>LED 4x</p> <p>WK ..**</p> <p>Output (Yellow)</p> <p>Power (Green)</p> <p>LED 2x</p> <p>1.700 [43.2]</p> <p>1.142 [29.0]</p> <p>ϕ.551 [14.0]</p> <p>M12x1</p> <p>RSE ..**</p> <p>2.173 [55.2] ϕ.531 [13.5]</p> <p>M12x1</p> <p>LED 4x</p>	RKE 4.4T-* -P7X2 WK 4.4T-* -P7X2	RSE 4.4T-* -P7X2	AWM PVC Grey, 4x22 AWG, 105°C, 5.1 mm OD Cable #RF50516-*M† PNP Signal, <i>flexlife</i> ®	<p>Female</p> <p>4</p> <p>3</p> <p>2</p> <p>1</p> <p>Male</p> <p>4</p> <p>3</p> <p>2</p> <p>1</p>
	RKE 4.4T-* -N7X2 WK 4.4T-* -N7X2	RSE 4.4T-* -N7X2	AWM PVC Grey, 4x22 AWG, 105°C, 5.1 mm OD Cable #RF50516-*M† NPN Signal, <i>flexlife</i>	
	RKE 4.4T-* -P7X2/S90 WK 4.4T-* -P7X2/S90	RSE 4.4T-* -P7X2/S90	AWM TPU Grey, 4x22 AWG, 90°C, 5.1 mm OD Cable #RF50532-*M† PNP Signal, Cut/Abrasion Immune	
	RKE 4.4T-* -P7X2/S101 WK 4.4T-* -P7X2/S101	RSE 4.4T-* -P7X2/S101	AWM TPE Grey, 4x22 AWG, 105°C, 5.7 mm OD Cable #RF50941-*M† PNP Signal, <i>flexlife-20</i> , High Flex - Over 20 Million Cycles	
	WK 4.4T-* -N7X2/S101		AWM TPE Grey, 4x22 AWG, 105°C, 5.7 mm OD Cable #RF50941-*M† NPN Signal, <i>flexlife-20</i> , High Flex - Over 20 Million Cycles	
	RKE 4.4T-* -P7X2/X0R	RSE 4.4T-* -P7X2/X0R	AWM PVC Yellow, 4x20 AWG, 80°C, 250°C short term, 5.2 mm OD Cable, #RF50522-*M†, PNP Signal, Weld Flash Immune, High Temp. Immune	

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass "RKE ..".

† See Section N for *reelfast*® cable information.

4 and 5-Wire Cordsets with LEDs

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 10-30 VDC, 4 A



Connector Style	Female Part Number	Features	Pinout	
<p>RKE ..**</p> <p>WK ..**</p>	WK 4.4T-* -P7X2/S618	AWM PVC Grey, 4x22 AWG, 105°C, 5.1 mm OD, Cable #RF50577-*M†, PNP Signal, EMI/RFI Protection	<p>Female</p> <p>1. BN 2. WH 3. BU 4. BK</p>	
	WK 4.4T-* -N7X2/S618	AWM PVC Grey, 4x22 AWG, 105°C, 5.1 mm OD, Cable #RF50577-*M†, NPN Signal, EMI/RFI Protection		
	WK 4.4T-* -P7X2/S824	ITC/PLTC PVC Grey, 4x22 AWG, 105°C, 5.1 mm OD, Cable #RF50698-*M†, PNP Signal, Tray Rated		
	WK 4.4T-* -N7X2/S824	ITC/PLTC PVC Grey, 4x22 AWG, 105°C, 5.1 mm OD, Cable #RF50698-*M†, NPN Signal, Tray Rated		
		WK 4.4T-* -P7X2/X0R	PVC Yellow, 4x20 AWG, 80°C, 250°C short term, 5.2 mm OD, Cable #RF50522-*M†, PNP Signal, Weld Flash & High Temp. Immune	<p>Female</p> <p>1. BN 2. WH 3. BU 4. BK 5. GY</p>
		WK 4.4T-* -N7X2/X0R	PVC Yellow, 4x20 AWG, 80°C, 250°C short term, 5.2 mm OD, Cable #RF50522-*M†, NPN Signal, Weld Flash & High Temp Immune	
	WK 4.5T-* -P7X2	AWM PVC Grey, 5x22 AWG, 105°C, 5.7 mm OD, Cable #RF50543-*M†, PNP Signal, <i>flexlife</i>	<p>Female</p> <p>1. BN 2. WH 3. BU 4. BK 5. GY</p>	
	RKE 4.5T-* -P7X2	AWM PVC Grey, 5x22 AWG, 105°C, 5.7 mm OD, Cable #RF50543-*M†, PNP Signal, <i>flexlife</i>		

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass "WK .."; "WKV .." Indicates stainless steel.

† See Section N for **reelfast**® cable information.

4 and 5-Wire Cordsets with LEDs

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 10-30 VDC, 4 A

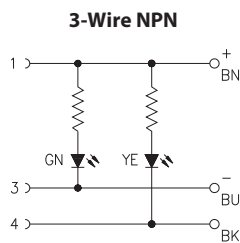


Connector Style	Female Part Number	Features	Pinout
<p>WK ..**</p>	WK 4.4T-*-P7X3	AWM PVC Grey, 4x22 AWG, 105°C, 5.1 mm OD, Cable #RF50516-*M† PNP Signal, <i>flexlife</i>	<p>Female</p>
	WK 4.4T-*-P7X3/S90	AWM TPU Grey, 4x22 AWG, 90°C, 5.1 mm OD, Cable #RF50532-*M† PNP Signal, Cut/Abrasion Immune	
	WK 4.4T-*-P7X3/S101	AWM TPE Grey, 4x22 AWG, 105°C, 5.7 mm OD, Cable #RF50941-*M† PNP Signal, <i>flexlife-20</i> , High Flex - Over 20 Million Cycles	
	WK 4.4T-*-P7X3/X0R	PVC Yellow, 4x20 AWG, 80°C, 250°C short term, 5.2 mm OD, Cable #RF04304-*M† PNP Signal, Weld Flash Immune, High Temp. Immune	

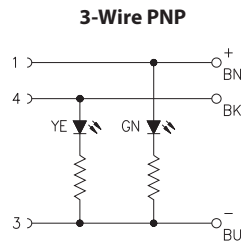
* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.
 ** Standard coupling nut material is nickel plated brass "WK .."; "WKV .." indicates stainless steel.
 † See Section N for **reelfast**® cable information.
 See page D88 for LED diagrams.

Cordsets

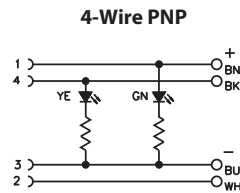
LED Diagrams



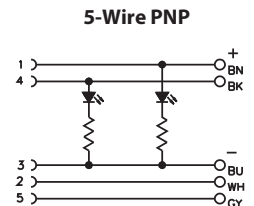
1. + Voltage (Green LED)
2. N/C
3. Common
4. Output (Yellow LED)



1. + Voltage (Green LED)
2. NC
3. Common
4. Output (Yellow LED)



1. + Voltage (Green LED)
2. Output
3. Common
4. Output (Yellow LED)



1. + Voltage (Green LED)
2. Output
3. Common
4. Output (Yellow LED)
5. Ground

3 and 4-Wire Cordsets with and without LEDs, Rubber

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 10-30 VDC, 4 A



Connector Style	Female Part Number	Features	Pinout
<p>WKE ..**</p>	<p>WKE 4T-* -P7X2/S600</p>	<p>SJOOW CPE Yellow 3x18 AWG, 105°C 8.0 mm OD, Cable #RF50654-*M† PNP Signal, Weld Flash Immune, Flame Immune</p>	
	<p>WKE 4T-* -N7X2/S600</p>	<p>SJOOW CPE Yellow 3x18 AWG, 105°C, 8.0 mm OD, Cable #RF50654-*M† NPN Signal, Weld Flash Immune, Flame Immune</p>	
<p>WKE ..**</p>	<p>WKE 4.4T-2-P7X3/S600</p>	<p>SJOOW CPE Yellow, 4x18 AWG, 105°C, 8.5 mm OD, Cable #RF50644-*M† PNP Signal, Weld Flash Immune, Flame Immune</p>	

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass.

† See Section N for **reelfast**® cable information.

See page D88 for LED diagrams.

8-Pin Kübler by TURCK Cordset with LEDs

- For use with Kübler by TURCK's Incremental Encoders
- NEMA 1, 3, 4, 6P, and IEC IP68
- 5-30 VDC



Connector Style	Female Part Number	Features	Pinout
<p>E-WKC..</p>	E-WKC 8T-PX3-930-*	AWM PVC, Black, 8x24 AWG, 105°C, 7.2 mm OD, Cable #RF50930-*M†, 3 indicator LEDs in translucent molded connector-for use with Kübler Incremental Encoders	<ol style="list-style-type: none"> 1. WH 2. BN 3. GN 4. YE 5. GY 6. PK 7. BU 8. RD

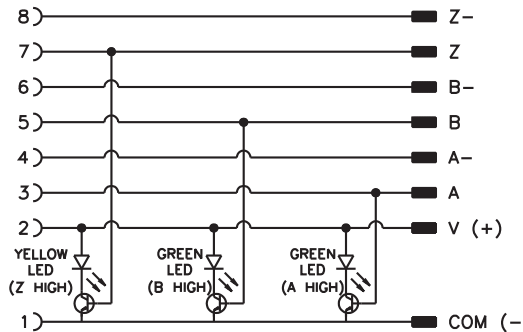
Cordsets

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters.

† See Section N for **reelfast**® cable information.

Standard coupling nut material is nickel plated brass "WKC.."; "WKC.." indicates stainless steel.

Wiring Diagram



8-Pin Cordset with Encoder



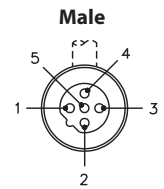
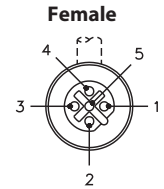
Note: LEDs for indication of channels A, B and Z. Green LEDs indicate channels A and B, while amber is used for the index channel. LEDs can also be used during machine set-up for home position indication, and provide operational status of encoder output channels.

3 and 5-Wire Cordsets, Reverse Key (B-Code)

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>WAKW ..**</p>	<p>WAKW 4T-*/S626 WWAKW 4T-*/S626</p>	<p>WASW 4T-*/S626 WWASW 4T-*/S626</p>	<p>AWM PVC Grey, 3x20 AWG, 105°C, 5.1 mm OD, Cable #RF20017-*M†, flexlife*</p>	<p>1. BN 2. BU 4. GN/YE</p>
<p>WWAKW ..**</p>	<p>WAKW 4T-*/S821 WWAKW 4T-*/S821</p>	<p>WASW 4T-*/S821 WWASW 4T-2/S821</p>	<p>PVC Yellow, 3x18 AWG, 80°C, 250°C short term, 5.7 mm OD, Cable #RF04159-*M†, Weld Flash Immune, High Temp Immune</p>	<p>1. RD 2. RD/WH 4. GN</p>
<p>WAKW 4.5T-* WWAKW 4.5T-*</p>	<p>WAKW 4.5T-*/S101 WWAKW 4.5T-*/S101</p>	<p>WASW 4.5T-*/S101 WWASW 4.5T-*/S101</p>	<p>AWM PVC Grey, 4x22, 1x20 AWG, 105°C, 5.7 mm OD, Cable #RF50563-*M†, flexlife</p>	<p>1. BN 2. WH 3. BU 4. BK 5. GN/YE</p>
<p>WASW ..**</p>	<p>WAKW 4.5T-*/S101 WWAKW 4.5T-*/S101</p>	<p>WASW 4.5T-*/S101 WWASW 4.5T-*/S101</p>	<p>AWM TPE Grey, 5x22 AWG, 105°C, 5.7 mm OD, Cable #RF50909-*M†, Flexlife-20, High Flex - Over 20 Million Cycles</p>	<p>1. BN 2. WH 3. BU 4. BK 5. GY</p>
<p>WWASW ..**</p>	<p>WAKW 4.5T-*/S618 WWAKW 4.5T-*/S618</p>	<p>WASW 4.5T-*/S618 WWASW 4.5T-*/S618</p>	<p>AWM AWM PVC Grey, 5x22 AWG, 105°C, 5.7 mm OD, Cable #RF50609-*M†, EMI/RFI Protection</p>	<p>1. BN 2. WH 3. BU 4. BK 5. Drain</p>
<p>WAKW 4.5T-*/S653 WWAKW 4.5T-*/S653</p>	<p>WAKW 4.5T-*/S653 WWAKW 4.5T-*/S653</p>	<p>WASW 4.5T-*/S653 WWASW 4.5T-*/S653</p>	<p>AWM AWM PVC Grey, 4x22 AWG, 105°C, 5.1 mm OD, Cable #RF50577-*M†, EMI/RFI Protection</p>	<p>1. BN 2. WH 3. BU 4. BK 5. Drain</p>



* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass "WAKW.."; "WAKKW.." indicates nylon and "WAKVW.." indicates stainless steel.

† See Section N for reelfast® cable information.

Spiral Cordsets, Standard Plug Body

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250V, 4 A



Connector Style	Female Part Number	Features	Pinout
<p>RK ..-SP**</p>	RK 4T-3.3/S90-SP WK 4T-3.3/S90-SP	AWM TPU Grey, 3x22 AWG, 80°C, 5.1 mm OD, for repetitive motion 3-wire DC applications	1. BN 3. BU 4. BK
	RK 4.4T-3.3/S90-SP WK 4.4T-3.3/S90-SP	AWM TPU Grey, 4x22 AWG, 80°C, 5.1 mm OD, for repetitive motion 4-wire DC applications	1. BN 2. WH 3. BU 4. BK
<p>WK ..-SP**</p>	RK 4.4T-3/S90-SP/S669 WK 4.4T-3/S90-SP/S669	AWM TPU Black, 4x26 AWG, 80°C, 4.0 mm OD, for repetitive motion 4-wire DC applications, eurofast connector with picofast coil cord	1. BN 2. WH 3. BU 4. BK
	RK 4.5T-3.3/S90-SP WK 4.5T-3.3/S90-SP	ITC/PLTC TPU Grey, 5x22 AWG, 105°C, 5.7 mm OD, for repetitive motion 5-wire DC applications	1. BN 2. WH 3. BU 4. BK 5. GY

Cordsets

* Length in meters. Standard cable length is 3.3 meters (**picofast** coil standard is 3 meters). Consult factory for other lengths.
 ** Standard coupling nut material is nickel plated brass .."RK(WK).."; "RKK(WKK).." indicates nylon and "RKV(WKV)" indicates 316 stainless steel.

Spiral Cordsets, Standard Plug Body

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A



Connector Style	Male Part Number	Features	Pinout
<p>RS ..-SP**</p>	<p>RS 4T-3.3/S90-SP WS 4T-3.3/S90-SP</p>	<p>AWM TPU Grey, 3x22 AWG, 80°C, 5.1 mm OD, for repetitive motion 3-wire DC applications</p>	<p>1. BN 3. BU 4. BK</p>
	<p>RS 4.4T-3.3/S90-SP WS 4.4T-3.3/S90-SP</p>	<p>AWM TPU Grey, 4x22 AWG, 80°C, 5.1 mm OD, for repetitive motion 4-wire DC applications</p>	<p>1. BN 2. WH 3. BU 4. BK</p>
<p>WS ..-SP**</p>	<p>RS 4.4T-3/S90-SP/S669 WS 4.4T-3/S90-SP/S669</p>	<p>AWM TPU Black, 4x26 AWG, 80°C, 4.0 mm OD, for repetitive motion 4-wire DC applications, eurofast connector with picofast coil cord</p>	<p>1. BN 2. WH 3. BU 4. BK</p>
	<p>RS 4.5T-3.3/S90-SP WS 4.5T-3.3/S90-SP</p>	<p>ITC/PLTC TPU Grey, 5x22 AWG, 105°C, 5.7 mm OD, for repetitive motion 5-wire DC applications</p>	<p>1. BN 2. WH 3. BU 4. BK 5. GY</p>

* Length in meters. Standard cable length is 3.3 meters (**picofast** coil standard is 3 meters). Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass .. "RS (WS).."; "RSK (WSK).." indicates nylon and "RSV (WSV)" indicates stainless steel.

Spiral Cordsets, "C" Style Medium Plug Body



- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 60 VAC/75VDC, 2A



Connector Style	Female Part Number	Features	Pinout
<p>RKC ..-SP**</p>	<p>RKC 6T-3.3/S90-SP WKC 6T-3.3/S90-SP</p>	<p>AWM TPU Black, 6x24 AWG, 90°C, 5.7 mm OD, for repetitive motion 6-wire DC applications</p>	<p>1. BN 2. WH 3. BU 4. BK 5. GY 6. PK</p> <p>Female</p>
<p>WKC ..-SP**</p>	<p>RKC 8.6T-3.3/S90-SP/CS10451 WKC 8.6T-3.3/S90-SP/CS10451</p>	<p>AWM TPU Black, 6x24 AWG, 90°C, 5.7 mm OD, for repetitive motion 6-wire DC applications</p>	<p>1. WH 2. BK 3. PK 4. GY 5. BN 6. N/C 7. BU 8. N/C</p> <p>Female</p>

Cordsets

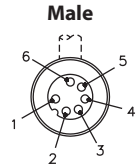
* Length in meters. Standard cable length is 3.3 meters. Consult factory for other lengths.
 ** Standard coupling nut material is nickel plated brass .. "RKC(WKC).."; "RKC(WKCV)" indicates stainless steel.

Spiral Cordsets, "C" Style Medium Plug Body

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 60 VAC/75VDC, 2 A



Connector Style	Male Part Number	Features	Pinout
<p>RSC ..-SP**</p>	<p>RSC 6T-3.3/S90-SP WSC 6T-3.3/S90-SP</p>	<p>AWM TPU Black, 6x24 AWG, 90°C, 5.7 mm OD, for repetitive motion 6-wire DC applications</p>	<p>1. BN 2. WH 3. BU 4. BK 5. GY 6. PK</p>
<p>WSC ..-SP**</p>	<p>RSC 8.6T-3.3/S90-SP/CS10451 WSC 8.6T-3.3/S90-SP/CS10451</p>	<p>AWM TPU Black, 6x24 AWG, 90°C, 5.7 mm OD, for repetitive motion 6-wire DC applications</p>	<p>1. WH 2. BK 3. PK 4. GY 5. BN 6. N/C 7. BU 8. N/C</p>



* Length in meters. Standard cable length is 3.3 meters. Consult factory for other lengths.
 ** Standard coupling nut material is nickel plated brass .. "RSC(WSC).."; "RSCV(WSCV)" indicates stainless steel.

8-Pin Kübler by TURCK Cordsets

- For use with Kübler by TURCK's Incremental Encoders
- NEMA 1, 3, 4, 6P
- IEC IP68
- 60 VAC/75 VDC, 2 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>E-RKC..</p>	E-RKC 8T-930-* E-WKC 8T-930-*	E-RSC 8T-930-* E-WSC 8T-930-*	AWM PVC Black, 8x24 AWG, 105°C, 7.2 mm OD, Cable #RF50930-*M†, Differential Mode Applications, RFI/EMI Protection	<p>Female</p>
<p>E-WKC..</p>	E-RKC 8T-930-*/S1115 E-WKC 8T-930-*/S1115	E-RSC 8T-930-*/S1115 E-WSC 8T-930-*/S1115	AWM PVC Black, 8x24 AWG, 105°C, 7.2 mm OD, Cable #RF50930-*M†, Single Ended Mode Applications, RFI/EMI Protection	<p>Male</p>
<p>E-RSC..</p>				
<p>E-WSC..</p>	E-RKC 8T-264-* E-WKC 8T-264-*	E-RSC 8T-264-* E-WSC 8T-264-*	AWM PVC Black, 8x24 AWG, 4 STP, 105°C, 6.6 mm OD, Cable #RF51264-*M†, Differential Mode Applications, RFI/EMI Protection	

Cordsets

* Length in meters. Standard cable lengths are 2, 5, 10 and 15 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass "E-RKC./E-WKC./E-RKS./E-WKS."; "E-RKCV./E-WKCV./E-RKSV./E-WKSV.." indicates stainless steel.

† See Section N for **reelfast**® cable information.

STP = Shielded twisted pair.

8-Pin Kübler by TURCK Cordsets

- For use with Kübler by TURCK's Incremental Encoders
- IEC IP67
- 60 VAC/75 VDC, 2 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>E-RKS..</p>				<p>Female</p> <p>1. WH 2. BN 3. GN 4. YE 5. GY 6. PK 7. BU 8. RD</p>
<p>E-RSS..</p>	E-RKS 8T-930-* E-WKS 8T-930-*	E-RSS 8T-930-* E-WSS 8T-930-*	AWM PVC Black 8x24 AWG 105°C 7.2 mm OD Cable #RF50930-*M† Differential Mode Applications, Shield Tied to Coupling Nut, RFI/EMI Protection	
<p>E-WKS..</p>				
<p>E-WSS..</p>	E-RKS 8T-264-* E-WKS 8T-264-*	E-RSS 8T-264-* E-WSS 8T-264-*	AWM PVC Black, 8x24 AWG, 4 STP, 105°C, 6.6 mm OD, Cable #RF51264-*M†, Differential Mode Applications, RFI/EMI Protection	
				<p>Male</p>

* Length in meters. Standard cable lengths are 2, 5, 10 and 15 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass "E-RKC../E-WKC../E-RKS../E-WKS.."; "E-RKCV../E-WKCV../E-RKSV../E-WKSV.." indicates stainless steel.

† See Section N for reelfast® cable information.

STP

= Shielded twisted pair.

3, 4, 5 and 6-Wire Washdown Cordsets

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- Polypropylene Contact Holder, Mold Material and Cable Jacket
- High chemical solvent resistance, high tensile strength

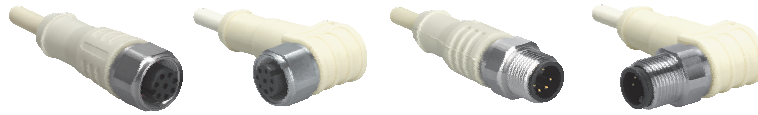


Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>WD-RKCV..</p> <p>WD-WKCV..</p> <p>WD-RSCV..</p> <p>WD-WSCV..</p>	<p>WD-RKCV 4T-* WD-WKCV 4T-*</p>	<p>WD-RSCV 4T-* WD-WSCV 4T-*</p>	<p>PP White, 3x20 AWG 105°C, 250 V, 4 A 5.1 mm OD, Cable #RF51440-*M</p>	<p>1. BN 2. N/C 3. BU 4. BK</p> <p>Female</p> <p>Male</p>
	<p>WD-RKCV 4.4T-* WD-WKCV 4.4T-*</p>	<p>WD-RSCV 4.4T-* WD-WSCV 4.4T-*</p>	<p>PP White, 4x22 AWG 105°C, 250 V, 4 A 4.4 mm OD, Cable #RF51359-*M</p>	<p>1. BN 2. WH 3. BU 4. BK</p> <p>Female</p> <p>Male</p>
<p>WD-RKCV 4.5T-* WD-WKCV 4.5T-*</p>	<p>WD-RSCV 4.5T-* WD-WSCV 4.5T-*</p>	<p>PP White, 5x22 AWG 105°C, 250 V, 4 A 4.5 mm OD Cable #RF51466-*M</p>	<p>1. BN 2. WH 3. BU 4. BK 5. GY</p> <p>Female</p> <p>Male</p>	
<p>WD-RKCV 6T-* WD-WKCV 6T-*</p>	<p>WD-RSCV 6T-* WD-WSCV 6T-*</p>	<p>PP White, 6x24 AWG 105°C, 60 VAC/75 VDC, 2 A 4.5 mm OD Cable #RF51467-*M</p>	<p>1. BN 2. WH 3. BU 4. BK 5. GY 6. PK</p> <p>Female</p> <p>Male</p>	

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths. Standard coupling nut material is stainless steel.

8, 10 and 12-Wire Washdown Cordsets

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- Polypropylene Contact Holder, Mold Material and Cable Jacket
- High chemical solvent resistance, high tensile strength



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>WD-RKCV..</p>	<p>WD-RKCV 8T-* WD-WKCV 8T-*</p>	<p>WD-RSCV 8T-* WD-WSCV 8T-*</p>	<p>PP White, 8x24 AWG, 105°C, 60 VAC/75 VDC, 2 A, 5.1 mm OD, Cable #RF51465-*M</p>	<p>1. WH 2. BN 3. GN 4. YE 5. GY 6. PK 7. BU 8. RD</p>
<p>WD-WKCV..</p>	<p>WD-RKCV 10T-* WD-WKCV 10T-*</p>	<p>WD-RSCV 10T-* WD-WSCV 10T-*</p>	<p>PP White, 10x24 AWG, 105°C, 60 VAC/75 VDC, 2 A, 5.7 mm OD, Cable #RF51602-*M</p>	<p>1. WH 2. BN 3. GN 4. YE 5. GY 6. PK 7. BU 8. RD 9. OG 10. TN</p>
<p>WD-RSCV..</p>	<p>WD-RKCV 12T-* WD-WKCV 12T-*</p>	<p>WD-RSCV 12T-* WD-WSCV 12T-*</p>	<p>PP White, 12x24 AWG, 105°C, 60 VAC/75 VDC, 2 A, 5.7 mm OD, Cable #RF51464-*M</p>	<p>1. WH 2. BN 3. GN 4. YE 5. GY 6. PK 7. BU 8. RD 9. OG 10. TN 11. BK 12. VT</p>

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths. Standard coupling nut material is stainless steel.

M12 eurofast® Connectivity

3, 4 and 5-Wire True Torque Cordsets

- Integrated Torque Control System
- IEC IP67
- 250 V, 4 A (3 & 4-wires) 60 V, 4 A (5-wire)



Connector Style	Female Part Number	Male Part Number	Features	Pinout	
<p>NM-RKC..</p>	<p>NM-RKC 4T-*/S849 NM-WKC 4T-*/S849</p>	<p>NM-RSC 4T-*/S849 NM-WSC 4T-*/S849</p>	<p>PVC Grey, 3x22 AWG, 80°C, 5.2 mm OD</p>	<p>1. BN 2. N/C 3. BU 4. BK</p>	<p>Female</p>
<p>NM-WKC..</p>	<p>NM-RKC 4T-*/S90/S849 NM-WKC 4T-*/S90/S849</p>	<p>NM-RSC 4T-*/S90/S849 NM-WSC 4T-*/S90/S849</p>	<p>TPU Grey, 3x22 AWG, 80°C, 5.2 mm OD</p>	<p>1. BN 2. N/C 3. BU 4. BK</p>	
<p>NM-RSC..</p>	<p>NM-RKC 4.4T-*/S849 NM-WKC 4.4T-*/S849</p>	<p>NM-RSC 4.4T-*/S849 NM-WSC 4.4T-*/S849</p>	<p>PVC Grey, 4x22 AWG, 80°C, 5.2 mm OD</p>	<p>1. BN 2. WH 3. BU 4. BK</p>	<p>Male</p>
<p>NM-RSC..</p>	<p>NM-RKC 4.4T-*/S90/S849 NM-WKC 4.4T-*/S90/S849</p>	<p>NM-RSC 4.4T-*/S90/S849 NM-WSC 4.4T-*/S90/S849</p>	<p>TPU Grey, 4x22 AWG, 80°C, 5.2 mm OD</p>	<p>1. BN 2. WH 3. BU 4. BK</p>	
<p>NM-WSC..</p>	<p>NM-RKC 4.5T-*/S849 NM-WKC 4.5T-*/S849</p>	<p>NM-RSC 4.5T-*/S849 NM-WSC 4.5T-*/S849</p>	<p>PVC Grey, 5x22 AWG, 80°C, 5.2 mm OD</p>	<p>1. BN 2. WH 3. BU 4. BK 5. GY</p>	<p>Female</p>
<p>NM-WSC..</p>	<p>NM-RKC 4.5T-*/S90/S849 NM-WKC 4.5T-*/S90/S849</p>	<p>NM-RSC 4.5T-*/S90/S849 NM-WSC 4.5T-*/S90/S849</p>	<p>TPU Grey, 5x22 AWG, 80°C, 5.2 mm OD</p>	<p>1. BN 2. WH 3. BU 4. BK 5. GY</p>	

Cordsets

* Length in meters. Standard cable lengths are 2, 5, and 10 meters. Consult factory for other lengths. Standard coupling nut material is nickel-plated brass/nylon combination.

M12 eurofast® Connectivity



4 and 5-Wire S12 eurofast® Quick-Connect™ Cordsets

- Straight and Right Angle Female Connectors
- IEC IP 67 Protection
- 250 V, 4 A
- Nylon Coupling Nut



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKC..</p> <p>WKC..</p>	<p>RKC 4.4Q-*/S849 WKC 4.4Q-*/S849</p>	<p>RSC 4.4Q-*/S849 WSC 4.4Q-*/S849</p>	<p>AWM PVC Grey, 4x22 AWG, 105°C, 5.2 mm OD, Cable #RF50516-*M†, quick-connect coupling</p>	<p>Female</p> <p>Male</p>
<p>RSC..</p> <p>WSC..</p>	<p>RKC 4.5Q-*/S849 WKC 4.5Q-*/S849</p>	<p>RSC 4.5Q-*/S849 WSC 4.5Q-*/S849</p>	<p>AWM PVC Grey, 5x22 AWG, 105°C, 5.7 mm OD, Cable #RF50543-*M†, quick-connect coupling</p>	<p>Female</p> <p>Male</p>

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.

† See Section N for **reelfast**® cable information.

Receptacle Selection Guide

Mounting Style	Image	Panel Thread Types	Page
Front Mount		PG9	D48
		1/4-18 NPT	D51
		1/2-14 NPSM	D52
		1/2-14 NPT	D54
		M20	D57
		PG16	D59
		PG13.5	D60
		PG9 w/Rotating Coupling	D61
		1/4-18 w/Solder Cups	D62
		PG9 w/Solder Cups	D63
		PG9 Reverse Key	D77
Rear Mount		PG9 w/Leads	D66
		PG9 w/Solder Cups	D68
		PG9 Reverse Key	D79
		Back Panel Mount	D81
PCB Mount		PG9 w/PCB Pins	D72
		PG9 PCB w/Header Pins	D73
		PG9 Circuit Board Mounted	D76

Receptacles

2, 4 and 5-Wire Receptacles, Front Mount, PG 9 Threads

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FK(N) ..*</p> <p>Typical panel cutout is 15.2 mm.</p>	FK 4.2-*	FS 4.2-*	2x22 AWG, 105°C, mates with 2-pin Cordsets	<ol style="list-style-type: none"> 1. N/C 2. N/C 3. BN 4. BU <p>Female</p>
	FK 4.21-*	FS 4.21-*	2x22 AWG, 105°C, mates with 2-pin Cordsets	<ol style="list-style-type: none"> 1. BN 2. BU 3. N/C 4. N/C
	FK 4.22-*	FS 4.22-*	2x22 AWG, 105°C, mates with 2-pin Cordsets	<ol style="list-style-type: none"> 1. BN 2. N/C 3. BU 4. N/C
	FK 4.4-*	FS 4.4-*	4x22 AWG, 105°C, mates with 4-pin cordsets	<ol style="list-style-type: none"> 1. BN 2. WH 3. BU 4. BK <p>Male</p>
	FK 4.4-*/S613	FS 4.4-*/S613	4x18 AWG, 105°C, mates with 4-pin cordsets	<ol style="list-style-type: none"> 1. BN 2. WH 3. BU 4. BK
	FK 4.4-*/S621	FS 4.4-*/S621	4x18 AWG, 105°C, mates with 4-pin cordsets	<ol style="list-style-type: none"> 1. GY1 2. GY2 3. GY3 4. GY4
<p>FS(N) ..*</p> <p>Typical panel cutout is 15.2 mm.</p>	FK 4.5-*	FS 4.5-*	5x22 AWG, 105°C, mates with 5-pin Cordsets	<ol style="list-style-type: none"> 1. BN 2. WH 3. BU 4. BK 5. GY <p>Female</p>
	FK 4.5-*/S627	FS 4.5-*/S627	5x20 AWG, 105°C, mates with 5-pin cordsets	
	FK 4.5-*/S653	FS 4.5-*/S653	4x22 AWG, Drain, 105°C, 5.1 mm OD, mates with 5-pin cordsets, 4 conductors PVC foil shielded with drain wire to pin 5	<ol style="list-style-type: none"> 1. BN 2. WH 3. BU 4. BK 5. Drain <p>Male</p>
	FKN 5-*	FSN 5-*	5x22 AWG, 105°C	<ol style="list-style-type: none"> 1. GN 2. WH 3. OG 4. BK 5. RD

* Length in meters. Standard Lead length is 0.5 Meters. Consult factory for other lengths. Standard housing material is nickel plated brass "FS."; "FSV.." indicates stainless steel. To specify PVC jacketed cable, add "/S717" to the end of the part number.

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FK ..*</p> <p>Typical panel cutout is 15.2 mm.</p>	FK 4.6-*	FS 4.6-*	6x22 AWG, 105°C, 250 V, 4 A Mates with 6-pin Cordsets	<p>Female</p> <p>Male</p>
<p>FK ..*</p> <p>Typical panel cutout is 15.2 mm.</p>	FK 6-*	FS 6-*	6x24 AWG, 105°C, 60 VAC/75 VDC, 2 A Mates with 6-pin Cordsets	<p>Female</p> <p>Male</p>
<p>FK ..*</p> <p>Typical panel cutout is 15.2 mm.</p>	FK 8-*	FS 8-*	8x24 AWG, 105°C, 60 VAC/75 VDC, 2 A Mates with 8-pin Cordsets	<p>Female</p> <p>Male</p>
	FK 8.6-*	FS 8.6-*	6x24 AWG, 105°C, 60 VAC/75 VDC, 2 A Mates with 8-pin Cordsets	<p>Female</p> <p>Male</p>

Receptacles

* Length in meters. Standard lead length is 0.5 Meters. Consult factory for other lengths. Standard housing material is nickel plated brass "FS."; "FSV." indicates stainless steel. To specify PVC jacketed cable, add "/S717" to the end of the part number.

10 and 12-Wire Receptacles, Front Mount, PG 9 Threads

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 60 VAC/75 VDC, 2 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FK..*</p> <p>Typical panel cutout is 15.2 mm.</p>	FK 10-*	FS 10-*	10x24 AWG, 105°C, mates with 10-pin Cordsets	<p>Female</p> <p>Male</p>
<p>FS..*</p> <p>Typical panel cutout is 15.2 mm.</p>	FK 12-*	FS 12-*	12x24 AWG, 105°C, mates with 12-pin Cordsets	<p>Female</p> <p>Male</p>

* Length in meters. Standard lead length is 0.5 Meters. Consult factory for other lengths. Standard housing material is nickel plated brass "FS."; "FSV.." indicates stainless steel. To specify PVC jacketed cable, add "/S717" to the end of the part number.

4 and 5-Wire Receptacles, Front Mount, 1/4-18 NPT Threads



- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FK ..*/18.25</p> <p>Typical panel cutout is 14.3 mm.</p>	FK 4.4-*/18.25	FS 4.4-*/18.25	UL, CSA, 4x22 AWG, 105°C, mates with 4-pin cordsets	<p>Female</p> <ol style="list-style-type: none"> 1. BN 2. WH 3. BU 4. BK
	FK 4.4-*/18.25/S613	FS 4.4-*/18.25/S613	UL, CSA, 4x18 AWG, 105°C, mates with 4-pin cordsets	<p>Male</p> <ol style="list-style-type: none"> 1. GY1 2. GY2 3. GY3 4. GY4
	FK 4.4-*/18.25/S621	FS 4.4-*/18.25/S621	UL, CSA, 4x18 AWG, 105°C, mates with 4-pin cordsets	<p>Female</p> <ol style="list-style-type: none"> 1. BN 2. WH 3. BU 4. BK
	FK 4.5-*/18.25	FS 4.5-*/18.25	UL, CSA, 5x22 AWG, 105°C, mates with 5-pin Cordsets	<p>Female</p> <ol style="list-style-type: none"> 1. BN 2. WH 3. BU 4. BK 5. GY
	FK 4.5-*/18.25/S627	FS 4.5-*/18.25/S627	UL, CSA, 5x20 AWG, 105°C, mates with 5-pin cordsets	<p>Male</p> <ol style="list-style-type: none"> 1. BN 2. WH 3. BU 4. BK 5. Drain
	FK 4.5-*/18.25/S653	FS 4.5-*/18.25/S653	UL, CSA, 4x22 AWG, Drain, 105°C, 5.1 mm OD, mates with 5-pin cordsets, 4 conductors PVC foil shielded with drain wire to pin 5	<p>Female</p> <ol style="list-style-type: none"> 1. BN 2. WH 3. BU 4. BK 5. GY
FK 4.5-*/18.25/S621	FS 4.5-*/18.25/S621	UL, CSA, 5x18 AWG, 105°C, mates with 5-pin cordsets	<p>Male</p> <ol style="list-style-type: none"> 1. GY1 2. GY2 3. GY3 4. GY4 5. GY5 	

Receptacles

* Length in meters. Standard lead length is 0.5 Meters. Consult factory for other lengths. Standard housing material is nickel plated brass "FS."; "FSV." indicates stainless steel. To specify PVC jacketed cable, add "/S717" to the end of the part number.

6 and 8-Wire Receptacles, Front Mount, 1/4-18 NPT Threads

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FK..*/18.25</p> <p>Typical panel cutout is 14.3 mm.</p>	FK 4.6-*/18.25	FS 4.6-*/18.25	6x22 AWG, 105°C, 250 V, 2 A, Mates with 6-pin Cordsets	<p>Female</p> <p>Male</p> <p>1. BN 2. WH 3. BU 4. BK 5. GY 6. PK</p>
	FK 6-*/18.25	FS 6-*/18.25	6x24 AWG, 105°C, 60 VAC/75 VDC, 2 A, Mates with 6-pin Cordsets	<p>Female</p> <p>Male</p> <p>1. BN 2. WH 3. BU 4. BK 5. GY 6. PK</p>
	FK 8-*/18.25	FS 8-*/18.25	8x24 AWG, 105°C, 60 VAC/75 VDC, 2 A, Mates with 8-pin Cordsets	<p>Female</p>
	FK 8-*/18.25/S1505	FS 8-*/18.25/S1505	8x26 AWG, 105°C, 60 VAC/75 VDC, 2 A, Mates with 8-pin Cordsets	<p>Female</p>
	FK 8.6-*/18.25	FS 8.6-*/18.25	6x24 AWG, 105°C, 60 VAC/75 VDC, 2 A, Mates with 8-pin Cordsets	<p>Male</p> <p>1. WH 2. GN 3. YE 4. GY 5. BN 6. N/C 7. BU 8. N/C</p>

* Length in meters. Standard lead length is 0.5 Meters. Consult factory for other lengths.
Standard housing material is nickel plated brass "FS."; "FSV.." indicates stainless steel.
To specify PVC jacketed cable, add "/S717" to the end of the part number.

10 and 12-Wire Receptacles, Front Mount, 1/4-18 NPT Threads

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 60 VAC/75 VDC, 2 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FK ..*/18.25</p> <p>Typical panel cutout is 14.3 mm.</p>	FK 10-*/18.25	FS 10-*/18.25	10x24 AWG, 105°C, mates with 10-pin cordsets	<p>Female</p> <p>Male</p>
<p>FS ..18.25</p> <p>Typical panel cutout is 14.3 mm.</p>	FK 12-*/18.25	FS 12-*/18.25	12x24 AWG, 105°C, mates with 12-pin Cordsets	<p>Female</p> <p>Male</p>

Receptacles

* Length in meters. Standard lead length is 0.5 Meters. Consult factory for other lengths. Standard housing material is nickel plated brass "FS."; "FSV.." indicates stainless steel. To specify PVC jacketed cable, add "/S717" to the end of the part number.

4, 5, and 6-Wire Receptacles, Front Mount, 1/2-14 NPSM Threads

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FK ..14.5</p> <p>Typical panel cutout is 21 mm.</p>	FK 4.4-*/14.5	FS 4.4-*/14.5	4x22 AWG, 105°C, 250 VAC/ 300 VDC, 4 A, mates with 4-pin cordsets	<p>Female</p>
	FK 4.4-*/14.5/S613	FS 4.4-*/14.5/S613	4x18 AWG, 105°C, 250 VAC/VDC, 4 A, mates with 4-pin cordsets	<p>1. BN 2. WH 3. BU 4. BK</p>
	FK 4.4-*/14.5/S621	FS 4.4-*/14.5/S621	4x18 AWG, 105°C, 250 VAC/300 VDC, 4 A, mates with 4-pin cordsets	<p>1. GY1 2. GY2 3. GY3 4. GY4</p> <p>Male</p>
<p>FS .. 14.5</p> <p>Typical panel cutout is 21 mm.</p>	FK 4.5-*/14.5	FS 4.5-*/14.5	5x22 AWG, 105°C, 250 V, 4 A, mates with 5-pin cordsets	<p>Female</p> <p>Male</p>
	FK 4.6-*/14.5	FS 4.6-*/14.5	6x22 AWG, 105°C, 250 V, 4 A, mates with 6-pin cordsets	<p>1. BN 2. WH 3. BU 4. BK 5. GY 6. PK</p> <p>Male</p>
<p>FK 6-*/14.5</p> <p>FS 6-*/14.5</p> <p>6x24 AWG, 105°C, 60 VAC/75 VDC, 2 A, mates with 6-pin cordsets</p>	FK 6-*/14.5	FS 6-*/14.5	6x24 AWG, 105°C, 60 VAC/75 VDC, 2 A, mates with 6-pin cordsets	<p>Female</p> <p>Male</p>

* Length in meters. Standard cable length is 0.5 Meters. Consult factory for other lengths.
 Standard housing material is nickel plated brass "FS.."; "FSV.." indicates stainless steel.
 To specify PVC jacketed cable, add "/S717" to the end of the part number.

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 60 VAC/75 VDC, 2 A



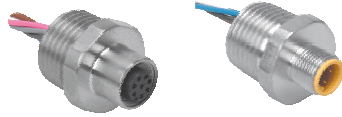
Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FK ..14.5</p> <p>Typical panel cutout is 21 mm.</p>	FK 8-*/14.5	FS 8-*/14.5	8x24 AWG, 105°C, mates with 8-pin cordsets, UL Recognized, CSA Approved	<p>Female</p>
	FK 8.6-*/14.5	FS 8.6-*/14.5	CSA, 6x24 AWG, 105°C, mates with 8-pin cordsets, UL Recognized, CSA Approved	<p>Male</p>
<p>FS .. 14.5</p> <p>Typical panel cutout is 21 mm.</p>	FK 10-*/14.5	FS 10-*/14.5	10x24 AWG, 105°C, mates with 10-pin Cordsets	<p>Female</p> <p>Male</p>
	FK 12-*/14.5	FS 12-*/14.5	12x24 AWG, 105°C, mates with 12-pin cordsets	<p>Female</p> <p>Male</p>

Receptacles

* Length in meters. Standard lead length is 0.5 Meters. Consult factory for other lengths. Standard housing material is nickel plated brass "FS."; "FSV.." indicates stainless steel. To specify PVC jacketed cable, add "/S717" to the end of the part number.

2 and 4-Wire Receptacles, Front Mount, 1/2-14 NPT Threads

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FK .. 14.5/NPT</p> <p>Typical panel cutout is 22.5 mm.</p>	FK 4.2-*/14.5/NPT	FS 4.2-*/14.5/NPT	2x22 AWG, 105°C, mates with 2-pin cordsets	<p>Female</p>
	FK 4.22-*/14.5/NPT	FS 4.22-*/14.5/NPT	2x22 AWG, 105°C, mates with 2-pin cordsets	<p>1. N/C 2. N/C 3. BN 4. BU</p>
<p>FS .. 14.5/NPT</p> <p>Typical panel cutout is 22.5 mm.</p>	FK 4.4-*/14.5/NPT	FS 4.4-*/14.5/NPT	4x22 AWG, 105°C, mates with 4-pin cordsets	<p>Male</p>
	FK 4.4-*/14.5/NPT/S613	FS 4.4-*/14.5/NPT/S613	4x18 AWG, 105°C, mates with 4-pin cordsets	<p>1. BN 2. WH 3. BU 4. BK</p>

* Length in meters. Standard lead length is 0.5 Meters. Consult factory for other lengths. Standard housing material is nickel plated brass "FS.."; "FSV.." indicates stainless steel. To specify PVC jacketed cable, add "/S717" to the end of the part number.



- NEMA 1, 3, 4, 6P
- IEC IP68 Protection



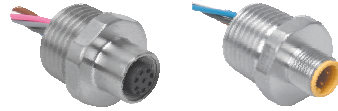
Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FK..14.5/NPT</p> <p>Typical panel cutout is 22.5 mm.</p>	FK 4.5-*/14.5/NPT	FS 4.5-*/14.5/NPT	5x22 AWG, 105°C, 250 V, 4 A, mates with 5-pin cordsets	<p>Female</p> <p>Male</p> <p>1. BN 2. WH 3. BU 4. BK 5. GY</p>
<p>FS..14.5/NPT</p> <p>Typical panel cutout is 22.5 mm.</p>	FK 4.6-*/14.5/NPT	FS 4.6-*/14.5/NPT	6x22 AWG, 105°C, 250 V, 4 A, mates with 6-pin cordsets	<p>Female</p> <p>Male</p> <p>1. BN 2. WH 3. BU 4. BK 5. GY 6. PK</p>
<p>FK 6-*/14.5/NPT</p> <p>Typical panel cutout is 22.5 mm.</p>	FK 6-*/14.5/NPT	FS 6-*/14.5/NPT	6x24 AWG, 105°C, 60 VAC/75 VDC, 2 A, mates with 6-pin cordsets	<p>Female</p> <p>Male</p>

Receptacles

* Length in meters. Standard lead length is 0.5 Meters. Consult factory for other lengths. Standard housing material is nickel plated brass "FS.."; "FSV.." indicates stainless steel. To specify PVC jacketed cable, add "/S717" to the end of the part number.

8, 10 and 12-Wire Receptacles, Front Mount, 1/2-14 NPT Threads

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 60 VAC/75 VDC, 2 A

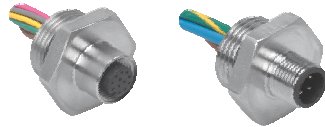


Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FK .. 14.5/NPT</p> <p>Typical panel cutout is 22.5 mm.</p>	FK 8-*/14.5/NPT	FS 8-*/14.5/NPT	8x24 AWG, 105°C, mates with 8-pin cordsets, UL Recognized, CSA Approved	<p>Female</p> <p>Male</p>
	FK 8.6-*/14.5/NPT	FS 8.6-*/14.5/NPT	6x24 AWG, 105°C, mates with 8-pin cordsets, UL Recognized, CSA Approved	<p>Female</p> <p>Male</p>
<p>FS ..14.5/NPT</p> <p>Typical panel cutout is 22.5 mm.</p>	FK 10-*/14.5/NPT	FS 10-*/14.5/NPT	10x24 AWG, 105°C, mates with 10-pin cordsets	<p>Female</p> <p>Male</p>
	FK 12-*/14.5/NPT	FS 12-*/14.5/NPT	12x24 AWG, 105°C, mates with 12-pin cordsets	<p>Female</p> <p>Male</p>

* Length in meters. Standard lead length is 0.5 Meters. Consult factory for other lengths.
 Standard housing material is nickel plated brass "FS.."; "FSV.." indicates stainless steel.
 To specify PVC jacketed cable, add "/S717" to the end of the part number.



- NEMA 1, 3, 4, 6P
- IEC IP68 Protection



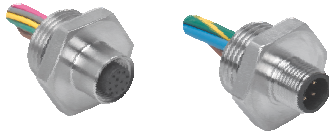
Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FK../M20</p> <p>Typical panel cutout is 20.4 mm.</p>	FK 4.4-*/M20	FS 4.4-*/M20	4x22 AWG, 105°C, 250 V, 4 A, mates with 4-pin cordsets	<p>Female</p> <p>Male</p>
<p>FS../M20</p> <p>Typical panel cutout is 20.4 mm.</p>	FK 4.5-*/M20	FS 4.5-*/M20	5x22 AWG, 105°C, 250 V, 4 A, mates with 5-pin cordsets	<p>Female</p> <p>Male</p>
<p>FS../M20</p> <p>Typical panel cutout is 20.4 mm.</p>	FK 6-*/M20	FS 6-*/M20	6x24 AWG, 105°C, 60 VAC/75 VDC, 2 A, mates with 6-pin cordsets	<p>Female</p> <p>Male</p>

Receptacles

* Length in meters. Standard lead length is 0.5 Meters. Consult factory for other lengths. Standard housing material is nickel plated brass "FS."; "FSV.." indicates stainless steel. To specify PVC jacketed cable, add "/S717" to the end of the part number.

8, 10 and 12-Wire Receptacles, Front Mount, M20 Threads

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 60 VAC/75 VDC, 2 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FK ../M20</p> <p>Typical panel cutout is 20.4 mm.</p>	FK 8-*/M20	FS 8-*/M20	8x24 AWG, 105°C, mates with 8-pin cordsets, UL Recognized, CSA Approved	<p>Female</p> <p>Male</p>
	FK 8.6-*/M20	FS 8.6-*/M20	6x24 AWG, 105°C, mates with 8-pin cordsets, UL Recognized, CSA Approved	<p>Female</p> <p>Male</p>
	FK 10-*/M20	FS 10-*/M20	10x24 AWG, 105°C, mates with 10-pin cordsets	<p>Female</p> <p>Male</p>
	FK 12-*/M20	FS 12-*/M20	12x24 AWG, 105°C, mates with 12-pin cordsets	<p>Female</p> <p>Male</p>
<p>FS ../M20</p> <p>Typical panel cutout is 20.4 mm.</p>				

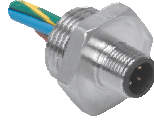
* Length in meters. Standard lead length is 0.5 Meters. Consult factory for other lengths. Standard housing material is nickel plated brass "FS."; "FSV.." indicates stainless steel. To specify PVC jacketed cable, add "/S717" to the end of the part number.

TURCK M12 eurofast® Connectivity

4, 5, 6, 8, 10 and 12-Wire Receptacles, Front Mount, PG 16 Threads



- NEMA 1, 3, 4, 6P
- IEC IP68 Protection

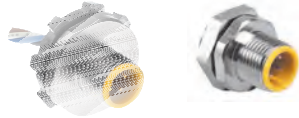


Housing Style	Male Part Number	Features	Pinout
<p>FS.../PG16</p> <p>Typical panel cutout is 22.5 mm.</p>	FS 4.4-*/PG16	4x22 AWG, 105°C, 250 V, 4 A, mates with 4-pin cordset, UL Recognized, CSA Approved	<ol style="list-style-type: none"> 1. BN 2. WH 3. BU 4. BK
	FS 4.5-*/PG16	5x22 AWG, 105°C, 250 V, 4 A, mates with 5-pin cordset, UL Recognized, CSA Approved	<ol style="list-style-type: none"> 1. BN 2. WH 3. BU 4. BK 5. GY
	FS 6-*/PG16	6x24 AWG, 105°C, 60 VAC/75 VDC, 2 A, mates with 6-pin cordset, UL Recognized, CSA Approved	<ol style="list-style-type: none"> 1. BN 2. WH 3. BU 4. BK 5. GY 6. PK
	FS 8-*/PG16	8x24 AWG, 105°C, 60 VAC/75 VDC, 2 A, mates with 8-pin cordset, UL Recognized, CSA Approved	<ol style="list-style-type: none"> 1. WH 2. BN 3. GN 4. YE 5. GY 6. PK 7. BU 8. RD
	FS 8.6-*/PG16	6x24 AWG, 105°C, 60 VAC/75 VDC, 2 A, mates with 8-pin cordset, UL Recognized, CSA Approved	<ol style="list-style-type: none"> 1. WH 2. GN 3. YE 4. GY 5. BN 6. N/C 7. BU 8. N/C
	FS 10-*/PG16	10x24 AWG, 105°C, 60 VAC/75 VDC, 2 A, mates with 10-pin cordset	<ol style="list-style-type: none"> 1. WH 2. BN 3. GN 4. YE 5. GY 6. PK 7. BU 8. RD 9. OG 10. TN
	FS 12-*/PG16	12x24 AWG, 105°C, 60 VAC/75 VDC, 2 A, mates with 12-pin cordset	<ol style="list-style-type: none"> 1. WH 2. BN 3. GN 4. YE 5. GY 6. PK 7. BU 8. RD 9. OG 10. TN 11. BK 12. VT

Receptacles

4 and 5-Wire Receptacles, Front Mount, PG 13.5 Threads

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A



Housing Style	Male Part Number	Features	Pinout
<p>FS..PG13.5</p> <p>Typical panel cutout is 20.4 mm.</p>	FS 4.4-*/PG13.5	4x22 AWG, 105°C, 250 V, 4 A, mates with 4-pin cordsets, PG 13.5 Threads, UL Recognized, CSA Approved	<p>1. BN 2. WH 3. BU 4. BK</p>
	FS 4.5-*/PG13.5	5x22 AWG, 105°C, 250 V, 4 A, mates with 5-pin cordsets, PG 13.5 Threads, UL Recognized, CSA Approved	<p>1. BN 2. WH 3. BU 4. BK 5. GY</p>
	FS 6-*/PG13.5	6x22 AWG, 105°C, 60 VAC/75 VDC, 2 A, mates with 4-pin cordsets, PG 13.5 Threads, UL Recognized, CSA Approved	<p>1. BN 2. WH 3. BU 4. BK 5. GY 6. PK</p>
	FS 8-*/PG13.5	8x22 AWG, 105°C, 60 VAC/75 VDC, 2 A, mates with 4-pin cordsets, PG 13.5 Threads, UL Recognized, CSA Approved	<p>1. WH 2. BN 3. GN 4. YE 5. GY 6. PK 7. BU 8. RD</p>
	FS 10-*/PG13.5	10x22 AWG, 105°C, 60 VAC/75 VDC, 2 A, mates with 4-pin cordsets, PG 13.5 Threads	<p>1. WH 2. BN 3. GN 4. YE 5. GY 6. PK 7. BU 8. RD 9. OG 10. TN</p>
	FS 12-*/PG13.5	12x22 AWG, 105°C, 60 VAC/75 VDC, 2 A, mates with 4-pin cordsets, PG 13.5 Threads	<p>1. WH 2. BN 3. GN 4. YE 5. GY 6. PK 7. BU 8. RD 9. OG 10. TN 11. BK 12. VT</p>

4, 5, 6 and 8-Wire Receptacles, with Rotating Coupling Nut

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection



Housing Style	Female Part Number	Features	Pinout
<p>FKM ..*</p> <p>Typical panel cutout is 15.2 mm.</p>	FKM 4.4-*	4x22 AWG, 105°C, 250 V, 4 A, mates with 4-pin cordsets	1. BN 2. WH 3. BU 4. BK
	FKM 4.5-*	5x22 AWG, 105°C, 250 V, 4 A, mates with 5-pin cordsets	1. BN 2. WH 3. BU 4. BK 5. GY
	FKM 4.5-*/S653	4x22 AWG, Drain, 105°C, 250 V, 4 A, 5.1 mm OD, mates with 5-pin cordsets, 4 conductors PVC foil Shielded with Drain Wire to pin 5	1. BN 2. WH 3. BU 4. BK 5. Drain
	FKM 4.6-*	6x22 AWG, 105°C, 250 V, 2 A Mates with 6-pin Cordsets	1. BN 2. WH 3. BU 4. BK 5. GY 6. PK
	FKM 6-*	6x24 AWG, 105°C, 60 VAC/75 VDC, 2 A, mates with 6-pin cordsets	1. BN 2. WH 3. BU 4. BK 5. GY 6. PK
	FKM 8-*	8x24 AWG, 105°C, 60 VAC/75 VDC, 2 A, mates with 8-pin cordsets	1. WH 2. BN 3. GN 4. YE 5. GY 6. PK 7. BU 8. RD

Receptacles

* Length in meters. Standard lead length is 0.5 Meters. Consult factory for other lengths.
Standard housing material is nickel plated brass.
To specify PVC jacketed cable, add "/S717" to the end of the part number.

4 and 5-Pin Receptacles, Front Mount, Leads and Solder Cups

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FK ..18.25</p> <p>Typical panel cutout is 14.3 mm.</p>	FK 4.4/18.25	FS 4.4/18.25	105°C, Solder Cup, mates with 4-pin cordsets, 1/4 inch 18NPT Threads	<p>Female</p>
<p>FS ..18.25</p> <p>Typical panel cutout is 14.3 mm.</p>				<p>Male</p>

* Length in meters. Standard lead length is 0.5 Meters. Consult factory for other lengths.
 Standard housing material is nickel plated brass.
 To specify PVC jacketed cable, add "/S717" to the end of the part number.



- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A



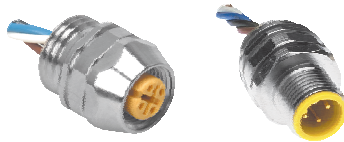
Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FK..</p> <p>Typical panel cutout is 15.2 mm.</p>	FK 4.4	FS 4.4	105°C, Solder Cup, mates with 4-pin cordsets, PG 9 Threads	<p>Female</p> <p>Male</p>
<p>FS..</p> <p>Typical panel cutout is 15.2 mm.</p>	FK 4.5	FS 4.5	105°C, Solder Cup, 250 V, 4 A, mates with 5-pin cordsets, PG 9 Threads	<p>Female</p> <p>Male</p>
<p>FS../14.5</p> <p>Typical panel cutout is 21 mm.</p>		FS 4.4/14.5	105°C, Solder Cup, 250 V, 4 A, mates with 4-pin cordsets, 1/2-14NPSM Threads	<p>Male</p>
		FS 4.5/14.5	105°C, Solder Cup, 250 V, 4 A, mates with 5-pin cordsets, 1/2-14NPSM Threads	<p>Male</p>

Receptacles

* Length in meters. Standard lead length is 0.5 Meters. Consult factory for other lengths. Standard housing material is nickel plated brass "FS.."; "FSV.." indicates stainless steel. To specify PVC jacketed cable, add "/S717" to the end of the part number.

4, 5 and 6-Wire Receptacles, with Front Lock Nut

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A (4 & 5 pole)
- 60 VAC/75 VDC, 2 A (6 pole)



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FKD ..*</p> <p>Typical panel cutout is 15.2 mm</p>	FKD 4.4-*	FSD 4.4-*	4x22 AWG, 105°C, mates with 4-pin cordsets	<p>Female</p> <p>Male</p>
	FKD 4.5-*	FSD 4.5-*	5x22 AWG, 105°C, mates with 5-pin cordsets	<p>Female</p>
	FKD 4.5-*/S653	FSD 4.5-*/S653	4x22 AWG, Drain, 105°C, 5.1 mm OD, mates with 5-pin cordsets, 4 Conductors PVC foil Shielded with Drain Wire to pin 5	<p>Male</p>
<p>FSD ..*</p> <p>Typical panel cutout is 15.2 mm</p>	FKD 6-*	FSD 6-*	6x24 AWG, 105°C, mates with 6-pin cordsets	<p>Female</p> <p>Male</p>

* Length in meters. Standard lead length is 0.5 meters. Consult factory for other lengths. Standard housing material is nickel plated brass "FKD.."; "FSD.." indicates 316 stainless steel. To specify PVC jacketed cable, add "/S717" to the end of the part number.

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 60 VAC/75 VDC, 2 A



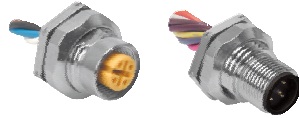
Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FKD ..*</p> <p>Typical panel cutout is 15.2</p>	FKD 8-*	FSD 8-*	8x24 AWG, 105°C, mates with 8-pin cordsets, UL Recognized, CSA Approved	<p>Female</p> <p>Male</p>
<p>FSD ...*</p> <p>Typical panel cutout is 15.2</p>	FKD 10-*	FSD 10-*	10x24 AWG, 105°C, mates with 10-pin cordsets	<p>Female</p> <p>Male</p>
<p>FSD ...*</p> <p>Typical panel cutout is 15.2</p>	FKD 12-*	FSD 12-*	12x24 AWG, 105°C, mates with 12-pin cordsets	<p>Female</p> <p>Male</p>

Receptacles

* Length in meters. Standard lead length is 0.5 meters. Consult factory for other lengths. Standard housing material is nickel plated brass "FSD."; "FSDV.." indicates stainless steel. To specify PVC jacketed cable, add "/S717" to the end of the part number.

4 and 5-Wire Receptacles, Rear Mount with Leads

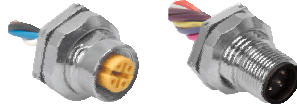
- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A (4 & 5 pole)
- 60 VAC/75 VDC, 2A (6 pole)

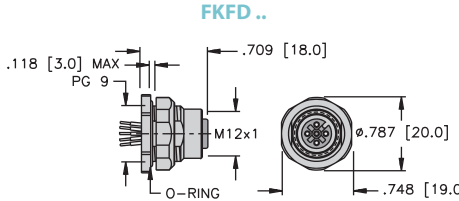
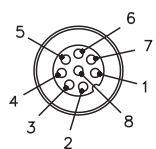
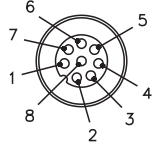
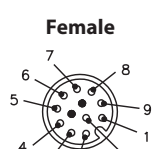
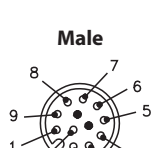
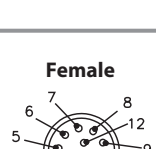
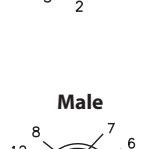
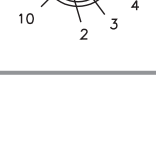



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FKFD ..</p> <p>Typical panel cutout is 15.3 x 14 mm.</p>	FKFD 4.4-*	FSFD 4.4-*	4x22 AWG, 105°C, mates with 4-pin cordsets	<p>Female</p>
	FKFD 4.4-*/S621	FSFD 4.4-*/S621	4x18 AWG, 105°C, mates with 4-pin cordsets	<p>Male</p>
<p>FSFD ..*</p> <p>Typical panel cutout is 15.3 x 14 mm.</p>	FKFD 4.5-*	FSFD 4.5-*	5x22 AWG, 105°C, mates with 5-pin cordsets	<p>Female</p>
	FKFD 4.5-2/S653	FSFD 4.5-2/S653	4x22 AWG, Drain, 105°C, 5.1 mm OD, mates with 5-pin cordsets, 4 Conductors PVC Foil Shielded with Drain Wire to pin 5	<p>Male</p>
	FKFD 6-*	FSFD 6-*	UL, CSA, 6x24 AWG, 105°C, mates with 6-pin cordsets	<p>Female</p> <p>Male</p>

* Length in meters. Standard lead length is 0.5 meters. Consult factory for other lengths. Standard housing material is nickel plated brass "FSFD.."; "FSFDV.." indicates stainless steel. To specify PVC jacketed cable, add "/S717" to the end of the part number.

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 60 VAC/75 VDC, 2 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout
 <p>FKFD ..</p> <p>Typical panel cutout is 15.3 x 14 mm.</p>	FKFD 8-*	FSFD 8-*	8x24 AWG, 105°C, mates with 8-pin cordsets, UL Recognized, CSA Approved	<p>Female</p>  <p>Male</p> 
	FKFD 8-*/S1505	FSFD 8-*/S1505	8x26 AWG, 105°C, mates with 8-pin cordsets	<p>Female</p>  <p>Male</p> 
	FKFD 10-*	FSFD 10-*	10x24 AWG, 105°C, mates with 10-pin cordsets	<p>Female</p>  <p>Male</p> 
	FKFD 12-*	FSFD 12-*	12x24 AWG, 105°C, mates with 12-pin cordsets	<p>Female</p>  <p>Male</p> 

Receptacles

* Length in meters. Standard lead length is 0.5 meters. Consult factory for other lengths. Standard housing material is nickel plated brass "FSFD.."; "FSFDV.." indicates stainless steel. To specify PVC jacketed cable, add "/S717" to the end of the part number.

4 and 5-Pin Receptacles, Rear Mount with Solder Cups

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A (4 & 5 pole)
- 60 VAC/75 VDC, 2 A (6 pole)



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FKFDL..</p> <p>Typical panel cutout is 15.3 x 14 mm.</p>	FKFDL 4.4	FSFDL 4.4	Accepts 18 AWG max Leads, 105°C, mates with 4-pin cordsets	<p>Female</p> <p>Male</p>
<p>FSFDL...*</p> <p>Typical panel cutout is 15.3 x 14 mm.</p>	FKFDL 4.5	FSFDL 4.5	Accepts 18 AWG max Leads, 105°C, mates with 5-pin cordsets	<p>Female</p> <p>Male</p>
<p>FSFDL...*</p> <p>Typical panel cutout is 15.3 x 14 mm.</p>	FKFDL 6	FSFDL 6	Accepts 22 AWG max Leads, 105°C, mates with 6-pin cordsets	<p>Female</p> <p>Male</p>

Standard housing material is nickel plated brass "FSFDL.."; "FSFDLV.." indicates stainless steel.

4 and 5-Pin Receptacles, Rear Mount with Solder Cups



- NEMA 1, 3, 4, 6P
- IEC IP68 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FKFDL ..</p> <p>Typical panel cutout is 15.3 x 14 mm.</p>	FKFDL 8	FSFDL 8	Accepts 22 AWG Max Leads, 105°C, Mates with 8-pin Cordsets	<p>Male</p> <p>Female</p>
<p>FSFDL ..*</p> <p>Typical panel cutout is 15.3 x 14 mm.</p>	FKFDL 10	FSFDL 10	Accepts 22 AWG Max Leads, 105°C, Mates with 10-pin Cordsets	<p>Female</p> <p>Male</p>
<p>FSFDL ..*</p> <p>Typical panel cutout is 15.3 x 14 mm.</p>	FKFDL 12	FSFDL 12	Accepts 22 AWG, Max Leads, 105°C, Mates with 12-pin Cordsets	<p>Female</p> <p>Male</p>

Receptacles

Standard housing material is nickel plated brass "FSFDL.."; "FSFDL.." indicates stainless steel.

4, 5, 6 and 8-Pin Receptacles, Rear Mount with PCB Pins

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A (4 & 5 pole)
- 60 VAC/75 VDC (6 pole)



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FKFD ..</p> <p>Typical panel cutout is 15.3 x 14 mm.</p>	FKFD 4.4	FSFD 4.4	105°C, mates with 4-pin cordsets	<p>Female</p> <p>Male</p>
<p>FKFD 4.5</p> <p>Typical panel cutout is 15.3 x 14 mm.</p>	FKFD 4.5	FSFD 4.5	105°C, mates with 5-pin cordsets	<p>Female</p> <p>Male</p>
<p>FSFD ..</p> <p>Typical panel cutout is 15.3 x 14 mm.</p>	FKFD 6	FSFD 6	105°C, mates with 6-pin cordsets	<p>Female</p> <p>Male</p>
<p>FSFD ..</p> <p>Typical panel cutout is 15.3 x 14 mm.</p>	FKFD 8	FSFD 8	105°C, mates with 8-pin cordsets	<p>Female</p> <p>Male</p>

Standard housing material is nickel plated brass "FSFD.."; "FSFDV.." indicates stainless steel.

4 and 5-Pin Receptacles, Rear Mount with PCB Pins

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FKFDK..</p> <p>Typical panel cutout is 15.3 x 14 mm.</p>		FSFDK 4.4	Nickel plated brass, 105°C, mates with 4-pin cordsets, short pins	<p>Male</p>
<p>FSFDK..</p> <p>Typical panel cutout is 15.3 x 14 mm.</p>	FKFDK 4.5	FSFDK 4.5	Nickel plated brass, 105°C, mates with 5-pin cordsets, short pins	<p>Female</p> <p>Male</p>

Receptacles

Standard housing material is nickel plated brass "FSFDK.."; "FSFDKV.." indicates stainless steel.

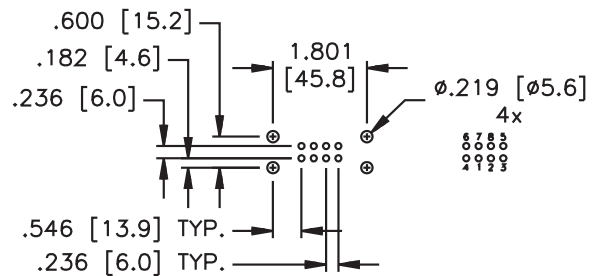
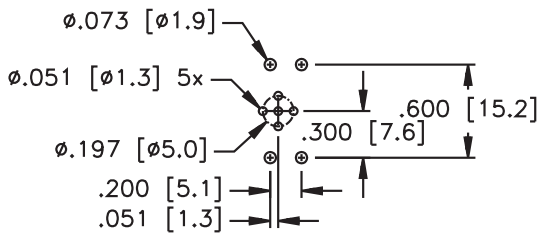
4, 5, 6 and 8-Pin Receptacles, Rear Mount with PCB Pins

- Male Receptacles
- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A (4 & 5 pole)
- 60 VAC/75 VDC, 2 A (6 & 8 pole)



Housing Style	Male Part Number	Features	Pinout
	WFS 4.4-PCB	105°C, mates with 4-pin cordsets, nickel plated brass housing material	<p>Male</p>
	WFS 4.5-PCB	105°C, mates with 5-pin cordsets, nickel plated brass housing material	<p>Male</p>
	WFS 6-PCB	105°C, mates with 6-pin cordsets, nickel plated brass housing material	<p>Male</p>
	WFS 8-PCB	105°C, mates with 8-pin cordsets, nickel plated brass housing material	<p>Male</p>

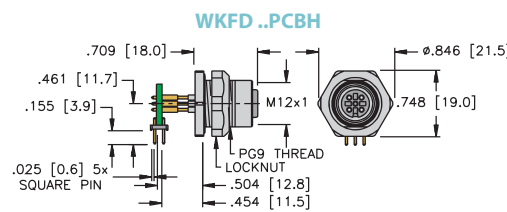
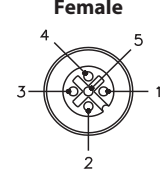
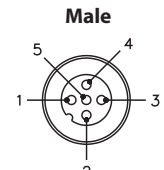
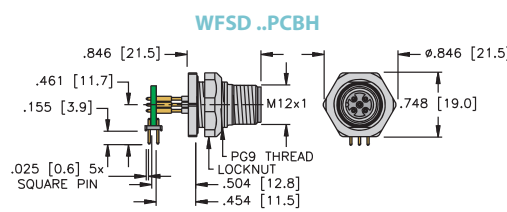
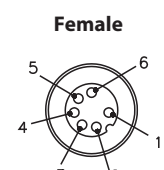
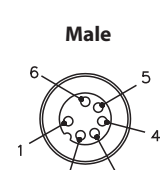
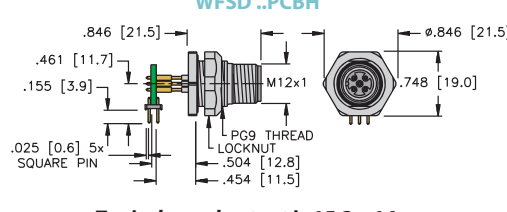
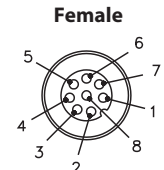
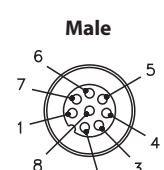
WFS PCB Layout



5, 6 and 8-Pin Receptacles, Rear Mount PCB with Header Pins

- NEMA 1, 3, 4, 6, 13
- IEC IP 67 Protection
- 250 V, 4 A (5 pole)
- 60 VAC/75 VDC (6 & 8 pole)



Housing Style	Female Part Number	Male Part Number	Features	Pinout
 <p>WKFD ..PCBH</p> <p>Typical panel cutout is 15.3 x 14 mm</p>	WFKD 4.5-PCBH	WFSd 4.5-PCBH	105°C, mates with 5-pin cordsets, nickel plated brass housing material	<p>Female</p>  <p>Male</p> 
 <p>WFSD ..PCBH</p> <p>Typical panel cutout is 15.3 x 14 mm</p>	WFKD 6-PCBH	WFSd 6-PCBH	105°C, mates with 6-pin cordsets, nickel plated brass housing material	<p>Female</p>  <p>Male</p> 
 <p>WFSD ..PCBH</p> <p>Typical panel cutout is 15.3 x 14 mm</p>	WFKD 8-PCBH	WFSd 8-PCBH	105°C, mates with 8-pin cordsets, nickel plated brass housing material	<p>Female</p>  <p>Male</p> 

Receptacles

10 and 12-Pin Receptacles, Rear Mount PCB with Header Pins

- NEMA 1, 3, 4, 6, 13
- IEC IP 67 Protection
- 60 VAC/75 VDC, 2 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>WKFD ..PCBH</p> <p>Typical panel cutout is 15.3 x 14 mm</p>	WFKD 10-PCBH	WFSD 10-PCBH	105°C, mates with 10-pin cordsets, nickel plated brass housing material	<p>Female</p> <p>Male</p>
<p>WFSD ..PCBH</p> <p>Typical panel cutout is 15.3 x 14 mm</p>	WFKD 12-PCBH	WFSD 12-PCBH	105°C, mates with 12-pin cordsets, nickel plated brass housing material	<p>Female</p> <p>Male</p>

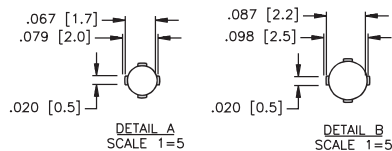
4 and 5-Pin Circuit Board Mounted Receptacles

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A

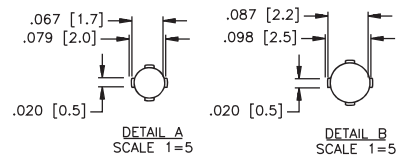


Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FK..PCB</p>	FK 4.5-PCB	FS 4.5-PCB	105°C, mates with 5-pin cordsets, nickel plated brass housing material	<p>Female</p> <p>Male</p>
<p>FS..-PCB</p>	FKFDH 4.4	FSFDH 4.4	105°C, mates with 4-pin cordsets, separate housing and contact carrier, nickel plated brass housing material	<p>Female</p> <p>Male</p>
<p>FKFDH..</p> <p>Typical panel cutout is 15.3 mm x 14 mm</p>	FKFDH 4.5	FSFDH 4.5	105°C, mates with 5-pin cordsets, separate housing and contact carrier, nickel plated brass housing material	<p>Female</p> <p>Male</p>
<p>FSFDH..</p> <p>Typical panel cutout is 15.3 mm x 14 mm</p>	FKFDH 4.5	FSFDH 4.5		<p>Female</p> <p>Male</p>

FKFDH - Detail



FSFDH - Detail



4 and 5-Pin Circuit Board Mounted Receptacles

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>WFKFDH ..</p> <p>Typical panel cutout is 12 mm</p>	WFKFDH 4.4	WFSFDH 4.4	105°C, mates with 4-pin cordsets, separate housing and contact carrier, right angle, nickel plated brass housing material	<p>Female</p> <p>Male</p>
<p>FKFDHOW ..</p> <p>Typical panel cutout is 12 mm</p>	WFKFDH 4.5	WFSFDH 4.5	105°C, mates with 5-pin cordsets, separate housing and contact carrier, right angle, nickel plated brass housing material	<p>Female</p> <p>Male</p>
<p>WFSFDH ..</p> <p>Typical panel cutout is 12 mm</p>	FKFDHOW 4.5		105°C, mates with 5-pin cordsets, separate housing and contact carrier, <u>reverse key</u> , nickel plated brass housing material	<p>Female</p>

5-Wire Receptacles, Front Mount, Reverse Key

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FKW ..*</p> <p>Typical panel cutout is 15.2 mm.</p>	FKW 4.5-*	FSW 4.5-*	4x22, 1x20 AWG, 105°C, mates with 5-pin <u>Reverse Key Cordset</u>	1. BN 2. WH 3. BU 4. BK 5. GN/YE
<p>FSW ..</p> <p>Typical panel cutout is 15.2 mm.</p>	FKW 4.5-*/S653	FSW 4.5-*/S653	4x22 AWG, Drain 105°C, 5.1 mm OD, mates with 5-pin <u>Reverse Key Cordset</u> , 4 Conductors PVC Foil Shielded with Drain Wire to pin 5	<p>Female</p>
<p>FKW ..14.5</p> <p>Typical panel cutout is 21 mm.</p>	FKW 4.5-*/14.5	FSW 4.5-*/14.5	4x22, 1x20 AWG 105°C, mates with 5-pin <u>Reverse Key Cordset</u>	
<p>FSW ..14.5</p> <p>Typical panel cutout is 21 mm.</p>				<p>Male</p>
<p>FSW ..14.5/NPT</p> <p>Typical panel cutout is 22.5 mm.</p>	FKW 4.5*/14.5/NPT	FSW 4.5-*/14.5/NPT	4x22, 1x20 AWG 105°C, mates with 5-pin <u>Reverse Key Cordset</u>	1. BN 2. WH 3. BU 4. BK 5. GN/YE

Receptacles

* Length in meters. Standard lead length is 0.5 Meters. Consult factory for other lengths. Standard housing material is nickel plated brass "FSW.."; "FSWV.." indicates stainless steel. To specify PVC jacketed cable, add "/S717" to the end of the part number.

5-Wire Receptacles, Front Mount, Reverse Key

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4A

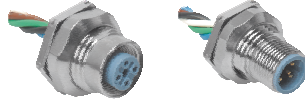


Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FKMW ..</p> <p>Typical panel cutout is 15.2 mm.</p>	FKMW 4.5-*		4x22, 1x20 AWG, 105°C, mates with 5-pin Reverse Key Cordset, PG 9 threads, rotating coupling nut	<p>Female</p>
<p>FKDW ..</p> <p>Typical panel cutout is 15.2 mm.</p>				
<p>FSDW ..</p> <p>Typical panel cutout is 15.2 mm.</p>	FKDW 4.5-*	FSDW 4.5-*	4x22, 1x20 AWG AWM PVC 105°C, mates with 5-pin Reverse Key Cordset	<p>Male</p>

* Length in meters. Standard lead length is 0.5 Meters. Consult factory for other lengths. Standard housing material is nickel plated brass "FSW."; "FSWV.." indicates stainless steel. To specify PVC jacketed cable, add "/S717" to the end of the part number.

5-Wire Receptacles, Rear Mount, Reverse Key

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A



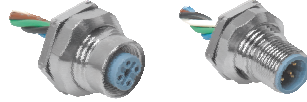
Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FKFDW ..</p> <p>Typical panel cutout is 15.3 x 14.0 mm.</p>	FKFDW 4.5-*	FSFDW 4.5-*	5x22 AWG 105°C, mates with 5-pin <u>Reverse Key</u> <u>Cordset, leads, UL</u> Recognized, CSA Approved	<p>Female</p>
<p>FSFDW ..</p> <p>Typical panel cutout is 15.3 x 14.0 mm.</p>				
<p>FKFDLW ..</p> <p>Typical panel cutout is 15.3 x 14.0 mm.</p>	FKFDLW 4.5	FSFDLW 4.5	Accepts 20 AWG Max Leads, 105°C, mates with 5-pin <u>Reverse Key</u> <u>Cordset,</u> <u>solder cup</u>	<p>Male</p>
<p>FSFDLW ..</p> <p>Typical panel cutout is 15.3 x 14.0 mm.</p>				

Receptacles

* Length in meters. Standard lead length is 0.5 Meters. Consult factory for other lengths.
Standard housing material is nickel plated brass.
To specify PVC jacketed cable, add "/S717" to the end of the part number.

5-Pin Receptacles, Rear Mount, Reverse Key, With PCB Pins

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout	
<p>FKFDW ..</p> <p>Typical panel cutout is 15.3 x 14.0 mm.</p>	FKFDW 4.5	FSFDW 4.5	105°C, mates with 5-pin Reverse Key Cordsets, <u>PCB pins</u>	<p>Female</p>	
<p>FSFDW ..</p> <p>Typical panel cutout is 15.3 x 14.0 mm.</p>					
<p>FSFDKW ..</p> <p>Typical panel cutout is 15.3 x 14.0 mm.</p>	FKFDKW 4.5	FSFDKW 4.5	105°C, mates with 5-pin Reverse Key Cordsets, <u>short PCB pins</u>		<p>Male</p>
<p>FKFDKW ..</p> <p>Typical panel cutout is 15.3 x 14.0 mm.</p>					

* Length in meters. Standard lead length is 0.5 Meters. Consult factory for other lengths.
 Standard housing material is nickel plated brass.
 To specify PVC jacketed cable, add "/S717" to the end of the part number.



4 and 5-Wire Receptacles, Back Panel Mount

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 250 V, 4 A



Housing Style	Female Part Number	Features	Pinout
<p>FKP ..*</p> <p>SEALING GASKET TRIM WASHER LOCKNUT TRUST WASHER</p> <p>Dimensions: .840 [21.3], 11/16-24, .875 [22.2], Ø.970 [24.6]</p>	FKP 4.4-*	4x18 AWG, 105°C, mates with 4-pin cordsets	Female 1. BN 2. WH 3. BU 4. BK
	FKP 4.4-*/S621	4x18 AWG, 105°C, mates with 4-pin cordsets	1. GY1 2. GY2 3. GY3 4. GY4
	FKP 4.5-*	5x18 AWG, 105°C, mates with 5-pin cordsets	Female 1. BN 2. WH 3. BU 4. BK 5. GY
	FKP 4.5-*/S621	5x18 AWG, 105°C, mates with 5-pin cordsets	1. GY1 2. GY2 3. GY3 4. GY4 5. GY5

Receptacles

* Length in meters. Standard lead length is 0.5 Meters. Consult factory for other lengths.
Standard material is nickel plated brass.
To specify PVC jacketed cable, add "/S717" to the end of the part number.

4, 5, 6 and 8-Pin Feed-Thru Receptacles

- Female to Male Receptacles
- NEMA 1, 3, 4, 6P
- IEC IP68 Protection



Housing Style	Part Number	Features	Pinout
	FK FS 4.4/M12	4-conductor, 80°C, 150 V, 4 A, mates with 4-pin cordsets	
	FK FS 4.5/M12	5-conductor, 80°C, 150 V, 4 A, mates with 5-pin cordsets	
	FKW FSW 4.5/M12	5-conductor, 80°C, 150 V, 4 A, mates with 5-pin Reverse Key Cordsets	
	FK FS 4.6/M12	6-conductor, 80°C, 36 V, 1.5 A, mates with 6-pin cordsets	
	FK FS 6/M12	6-conductor, 80°C, 36 V, 1.5 A, mates with 6-pin cordsets	
	FK FS 8/M12	8-conductor, 80°C, 36 V, 1.5 A, mates with 8-pin cordsets	

Standard housing material is nickel plated brass "FK FS."; "FKV FSV.." indicates stainless steel.

- IEC IP67 Protection

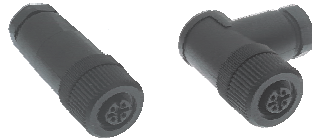


Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>B 81..</p>	<p>B 8141-0 B 8241-0</p>	<p>BS 8141-0 BS 8241-0</p>	<p>PBT, Black, PG 7 cable gland, accepts 4-6 mm cable diameter, screw terminals, accepts up to 18 AWG conductors, 85°C, 250 V, 4 A, mates with standard key 4-pin cordsets and receptacles</p>	<p>Female</p> <p>Male</p>
<p>B 82..</p>	<p>B 8141-0/PG 9 B 8241-0/PG 9</p>	<p>BS 8141-0/PG 9 BS 8241-0/PG 9</p>	<p>PBT, Black, PG 9 cable gland, accepts 6-8 mm cable diameter, screw terminals, accepts up to 18 AWG conductors, 85°C, 250 V, 4 A, mates with standard key 4-pin cordsets and receptacles</p>	<p>Female</p> <p>Male</p>
<p>BS 81..</p>	<p>B 8151-0/PG 9 B 8251-0/PG 9</p>	<p>BS 8151-0/PG 9 BS 8251-0/PG 9</p>	<p>PBT, Black, PG 9 cable gland, accepts 4-8 mm cable diameter, screw terminals, accepts up to 18 AWG conductors, 85°C, 60 V, 4 A, mates with standard key 5-pin cordsets and receptacles</p>	<p>Female</p> <p>Male</p>
<p>BS 82..</p>	<p>BM 8151-0/PG 9</p>		<p>PBT, Black, PG 9 cable gland, accepts 6-8 mm cable diameter, screw terminals, accepts up to 18 AWG conductors, metal coupling nut, 85°C, 60 V, 4 A, mates with standard key 5-pin cordsets and receptacles</p>	<p>Male</p>

Field Wireables

4, 5, 8 and 12-Pin Field Wireable Connectors, Standard and Reverse Key

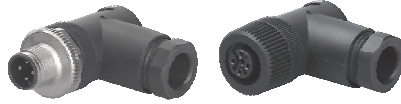
- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>B 81..</p>		BS 8157-0/PG 9	PBT, Black, PG 9 cable gland accepts 6-8 mm cable diameter , spring clamp accepts up to 20 AWG conductors, 85°C, 125 V, 4 A, Mates with standard key 5-pin cordsets and receptacles, spring clamp	<p>Male</p>
	BWS 8141-0	BSWS 8141-0 BSWS 8241-0	PBT, Black, PG 9 cable gland accepts 6-8 mm cable diameter, screw terminals accepts up to 18 AWG conductors, 85°C, 250 V, 4 A, mates with <u>reverse</u> key 4-pin cordsets and receptacles	<p>Female</p> <p>Male</p>
<p>B 82..</p>	BWS 8151-0 BWS 8251-0	BSWS 8151-0 BSWS 8251-0	PBT, Black, PG 9 cable gland accepts 6-8 mm cable diameter , screw terminals accepts up to 18 AWG conductors, 85°C, 60 V, 4 A, mates with <u>reverse</u> key 5-pin cordsets and receptacles	<p>Female</p> <p>Male</p>
<p>BS 81..</p>	B 8181-0 B 8281-0	BS 8181-0 BS 8281-0	Nylon, Black, PG 9 cable gland accepts 6-8 mm cable diameter , screw terminals accepts up to 18 AWG conductors, 85°C, 30 VAC/75 VDC, 2 A, mates with standard key 8-pin cordsets and receptacles	<p>Female</p> <p>Male</p>
<p>BS 82..</p>	B 81121-0/PG 9	BS 81121-0/PG 9	Nylon, Black, PG 9 cable gland accepts 4-8 mm cable diameter , screw terminals accepts up to 24 AWG conductors, 85°C, 30 V, 1 A, mates with standard key 12-pin cordsets and receptacles	<p>Female</p> <p>Male</p>

4 and 5-Pin Field Wireable Connectors, Standard with Labels

- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>B 81..</p>	<p>B 8141-0/LABEL B 8241-0/LABEL</p>	<p>BS 8141-0/LABEL BS 8241-0/LABEL</p>	<p>PBT, Black, PG 7 cable gland accepts 4-6 mm cable diameter, screw terminals accepts up to 18 AWG conductors, 85°C, 250 V, 4 A, mates with standard key 4-pin cordsets and receptacles, color coded & numbered pins</p>	<p>Female</p>
<p>B 82..</p>	<p>B 8141-0/PG9/LABEL B 8241-0/PG9/LABEL</p>	<p>BS 8141-0/PG9/LABEL BS 8241-0/PG9/LABEL</p>	<p>PBT, Black, PG 9 cable gland accepts 6-8 mm cable diameter, screw terminals, 85°C, 250 V, 4 A, mates with standard key 4-pin cordsets and receptacles, color coded & numbered pins</p>	<p>Male</p>
<p>BS 81..</p>	<p>B 8151-0/PG9/LABEL B 8251-0/PG9/LABEL</p>	<p>BS 8151-0/PG9/LABEL BS 8251-0/PG9/LABEL</p>	<p>PBT, Black, PG 9 cable gland accepts 4-8 mm cable diameter, screw terminals accepts up to 18 AWG conductors, 85°C, 60 V, 4 A, mates with standard key 5-pin cordsets and receptacles, color coded & numbered pins</p>	<p>Female</p>
<p>BS 82..</p>	<p>B 8151-0/PG9/LABEL B 8251-0/PG9/LABEL</p>	<p>BS 8151-0/PG9/LABEL BS 8251-0/PG9/LABEL</p>	<p>PBT, Black, PG 9 cable gland accepts 4-8 mm cable diameter, screw terminals accepts up to 18 AWG conductors, 85°C, 60 V, 4 A, mates with standard key 5-pin cordsets and receptacles, color coded & numbered pins</p>	<p>Male</p>

Field Wireables

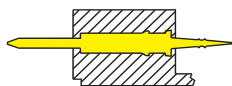
4 and 5-Pin Field Wireable Connectors, IAC

- Male and Female Connectors
- Insulation Avoidance Technology
- No Conductor Stripping Required
- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>B 81..</p>	B 8145-0	BS 8145-0	Nylon, accepts 4-6 mm cable dia., accepts 22-26 AWG conductor (conductor diameter 1-1.6 mm), Insulation Avoidance, 90°C, 125 VAC/150 VDC, 4 A, mates with standard key 4-pin cordsets and receptacles	<p>Female</p> <p>Male</p>
<p>BS 81..</p>	B 8155-0	BS 8155-0	Nylon, accepts 4-6 mm cable dia. accepts 22-26 AWG conductor (conductor diameter 1-1.6 mm), Insulation Avoidance, 90°C, 30 VAC/ 36 VDC, 4 A, mates with standard key 5-pin cordsets and receptacles	<p>Female</p> <p>Male</p>

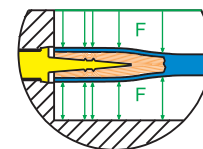
IAC Pointed Contact



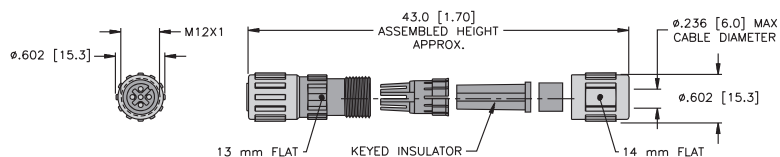
Unstripped wire in elastic "cable clamp"



Electrical connection is made without cutting the cable insulation and the large surface area of the contact provides a superior electrical connection



Assembly



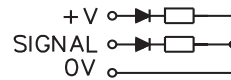
4-Pin Field Wireable Connectors with LED's

- Male and Female Connectors
- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>B 81..</p> <p>BS 81..</p>	B 8141-P7X2-0	BS 8141-P7X2-0	PBT, Clear, accepts 4-6 mm cable diameter accepts 20-26 AWG (conductor diameter 1-1.6 mm), Insulation Avoidance, 85°C, 10-30 V, 4 A, mates with standard key 4-pin cordsets and receptacles, 2 LED's - Signal and Power	<p>Female</p> <p>Male</p>

Wiring Diagram



Field Wireables

4-Pin Field Wireable Connectors, IDC

- Male and Female Connectors
- Insulation Displacement Technology
- No Conductor Stripping Required
- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>B 81..</p> <p>BS 81..</p>	B 8146-0	BS 8146-0	Nickel Plated Brass, accepts 4-5 mm cable diameter, IDC accepts 26 to 22 AWG conductors, 85°C, 32 V, 4 A, mates with standard key 4-pin cordsets and receptacles	<p>Female</p>
<p>B 83..</p> <p>BS 83..</p>	B 8346-0	BS 8346-0	Nickel Plated Brass, accepts 5.5-8.5 mm cable diameter, IDC accepts up to 18 AWG conductors, 85°C, 50 V, 6 A, mates with standard key 4-pin cordsets and receptacles	
<p>B 82..</p> <p>BS 82..</p>	B 8246-0	BS 8246-0	Nickel Plated Brass, accepts 4-5 mm cable diameter, IDC accepts 26 to 22 AWG conductors, 85°C, 32 V, 4 A, mates with standard key 4-pin cordsets and receptacles	<p>Male</p>

- Screw Terminals
- No Soldering Required
- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>CMB 81..</p>	<p>CMB 8141-0 CMB 8241-0</p>	<p>CMBS 8141-0 CMBS 8241-0</p>	<p>Nickel Plated Brass, PG9 cable gland, accepts 6-8 mm cable diameter, screw terminal accepts up to 18 AWG conductors, 85°C, 250 V, 4 A, Metal, fully shielded Mates with standard key 4-pin cordsets and receptacles</p>	<p>Female</p> <p>Male</p>
<p>CMB 82..</p>	<p>CMB 8151-0 CMB 8251-0</p>	<p>CMBS 8151-0 CMBS 8251-0</p>	<p>Nickel Plated Brass, PG9 cable gland, accepts 6-8 mm cable diameter, screw terminal, accepts up to 18 AWG conductors, 85°C, 60 V, 4 A, metal, fully shielded Mates with standard key 5-pin cordsets and receptacles</p>	<p>Female</p> <p>Male</p>
<p>CMBS 81..</p>				<p>Female</p> <p>Male</p>
<p>CMBS 82..</p>	<p>CMB 8181-0</p>	<p>CMBS 8181-0</p>	<p>Nickel Plated Brass, PG9 cable gland accepts 6-8 mm cable diameter, screw terminal accepts up to 18 AWG conductors, 85°C, 60 V, 2 A, metal, fully shielded, mates with standard key 8-pin cordsets and receptacles</p>	<p>Female</p> <p>Male</p>

5-Pin Field Wireable Connectors, Reverse Key

- Male and Female Connectors
- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>BMWS 81..</p> <p>BMSWS 81..</p>	<p>BMWS 8151-0/9</p>	<p>BMSWS 8151-0/9</p>	<p>Nickel Plated Brass, PG9 cable gland, accepts 6-8 mm cable diameter, screw terminal, accepts up to 18 AWG conductors, 85°C, 60 V, 4 A, Metal, fully shielded, mates with <u>reverse</u> key 5-pin cordsets and receptacles</p>	<p>Female</p>
<p>BMWS 82..</p> <p>BMSWS 82..</p>				<p>BMWS 8251-0/9</p>

5-Pin Field Wireable Splitter

- Male and Female Connectors
- 2 into 1, Parallel, AND Function etc.
- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>DBK(S)..</p>	DBK 8151-0	DBS 8151-0	Nylon, Black, Nylon coupling nut, accepts 2x3 mm or 2x5 mm cable diameters, screw terminals, accepts up to 18 AWG conductors, 85°C, 125 V, 4 A, splitter, accepts 2 cables and converts to 1	<p>Female</p>
<p>DBK(S)M..</p>	DBKM 8151-0	DBSM 8151-0	Nylon, nickel plated brass, coupling nut, accepts 4-5 mm cable diameters, screw terminals, accepts up to 18 AWG, conductors, 85°C, 125 V, 4 A, splitter, accepts 2 cables and converts to 1; straight male connector	<p>Male</p>

Conduit Adapters

- Attaches to Standard Crouse-Hinds 3/4" Form 8 Conduit Bodies for Transition to 5-wire eurofast® Connectors
- Gasket and 8-32 x 1/2 Mounting Screws Included
- IP67 Protection (only when all receptacles are mated or covered with plugs)
- Terminal Strips Accept Up to 12 AWG Wires



Housing Style	Part Number	Features	Pinout	Wiring Diagram
	CA-1/FK 4.5	Nylon housing, 80°C, 250 V, 4 A, attaches to standard conduit body for transition to 5-wire eurofast connector		
	CA-2/FK 4.5			

Standard receptacle housing material is nickel plated brass "CA-1(2)/FK 4.5"; "CA-1(2)/FKV 4.5" indicates stainless steel.

Conduit Adapters, Reverse Key Connectors

- Attaches to Standard Crouse-Hinds 3/4" Form 8 Conduit Bodies for Transition to 5-wire eurofast® Connectors
- Gasket and 8-32 x 1/2 Mounting Screws Included
- IP67 Protection (only when all receptacles are mated or covered with plugs)
- Terminal Strips Accept Up to 12 AWG Wires



Housing Style	Part Number	Features	Pinout	Wiring Diagram
	CA-1/FKW 4.5	Nylon housing, 80°C, 250 V, 4 A, attaches to standard conduit body for transition to 5-wire eurofast , reverse key connector		
	CA-2/FKW 4.5			

Standard receptacle housing material is nickel plated brass "CA-1(2)/FKW 4.5"; "CA-1(2)/FKWV 4.5" indicates stainless steel.

Adapters

- Converts *eurofast* to *minifast*®
- Rugged Metal Connector
- IP67 Protection



Housing Style	Part Number	Features	Pinout
	RSM 40-FK 4.4	80°C, 250 V, 4 A, female <i>eurofast</i> to male <i>minifast</i> adapter, 4-pin	
	RSM 50-FK 4.5	80°C, 250 V, 4 A, female <i>eurofast</i> to male <i>minifast</i> adapter, 5-pin	

Connector Inserts

- For Use in Sensors and Custom Receptacles
- Available with Solder Cups and PCB Pins
- Compatible with Standard eurofast Cordsets



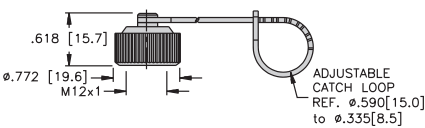
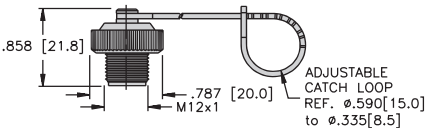
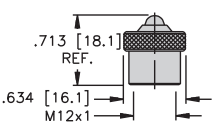
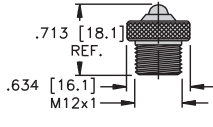
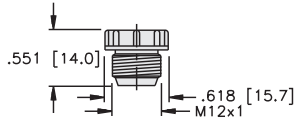
Housing Style	Part Number	Features	Pinout
	EWAS 4.4 (10/BAG)	Nylon or PUR, accepts up to 20 AWG, 250 V, 4 A, up to 4 conductors, DC applications	
	EWAS 4.5 (10/BAG)	Nylon or PUR, accepts up to 20 AWG, 250 V, 4 A, up to 5 conductors, DC applications	
	EWAS 6 (10/BAG)	Nylon or PUR, accepts up to 24 AWG, 30 VAC/36 VDC, 4 A, up to 6 conductors, DC applications	
	EWAS 8 (10/BAG)	Nylon or PUR, accepts up to 24 AWG, 30 VAC/36 VDC, 1.5 A, up to 8 conductors, DC applications	
	EWAK 4 PCB (10/BAG)	Nylon or PUR, 250 V, 4 A, up to 3 conductors, DC applications	
	EWAK 4.4 PCB (10/BAG)	Nylon or PUR, 250 V, 4 A, up to 4 conductors, DC applications	
	EWAK 4.5 PCB (10/BAG)	Nylon or PUR, 250 V, 4 A, up to 5 conductors, DC applications	
	EWASW 4.5 (10/BAG)	Reverse key, nylon or PUR, accepts up to 20 AWG, 250 V, 4 A, up to 5 conductors, DC applications	

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Closure Caps

Drawing	Part Number	Features
	RK-CC	Nickel plated brass, M12x1 threads, 6" lanyard, mates to male cordsets and receptacles
	RKV-CC	Stainless steel, M12x1 threads, 6" lanyard, mates to male cordsets and receptacles
	RS-CC	Nickel plated brass, M12x1 threads, 6" lanyard, mates to female cordsets and receptacles
	RSV-CC	Stainless steel, M12x1 threads, 6" lanyard, mates to female cordsets and receptacles
	FK-CC	Nickel plated brass, M12x1 threads, 6" lanyard with eyelet, mates to male cordsets and receptacles
	FKV-CC	Stainless steel, M12x1 threads, 6" lanyard with eyelet, mates to male cordsets and receptacles
	FS-CC	Nickel plated brass, M12x1 threads, 6" lanyard with eyelet, mates to female cordsets and receptacles
	FSV-CC	Stainless steel, M12x1 threads, 6" lanyard with eyelet, mates to female cordsets and receptacles
	FKK-CC	Plastic, M12x1 threads, 3" lanyard with eyelet, mates to male cordsets and receptacles
	FSK-CC	Plastic, M12x1 threads, 3" lanyard with eyelet, mates to female cordsets and receptacles

Closure Caps

Drawing	Part Number	Features
	RKK-CC	Plastic, M12x1 threads, mates to male cordsets and receptacles
	RSK-CC	Plastic, M12x1 threads, mates to female cordsets and receptacles
	RK-MC	Nickel plated brass, M12x1 threads, no lanyard, mates to male cordsets and receptacles
	RKV-MC	Stainless steel, M12x1 threads, no lanyard, mates to male cordsets and receptacles
	RS-MC	Nickel plated brass, M12x1 threads, no lanyard, mates to female cordsets and receptacles
	RSV-MC	Stainless steel, M12x1 threads, no lanyard, mates to female cordsets and receptacles
	VZ3-RED (8/BAG)	Red Nylon, mates to VB2 series junction boxes and female cordsets and receptacles
	VZ3 (8/BAG)	Nylon, mates to VB2 series junction boxes and female cordsets and receptacles

Notes:

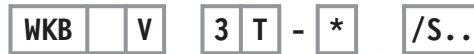
Part Number Keys	E2
Cordsets	E4
Receptacles	E8
Field Wireables	E17
Adapters	E18

- 2 to 6 pin
- Up to 4 Amp, 250 Volt rated
- IEC IP67 protection
- NEMA 6P rated
- Low current AC applications



Cordset Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



1/2" microfast Cordset

- KB = straight female connector
- WKB = right angle female connector
- SB = straight male connector
- WSB = right angle male connector

Body Style

- (blank) = standard plug body
- E = large plug body

Coupling Nut Material

- (blank) = nickel plated brass
- V = stainless steel
- K = nylon

Number of Wires / AWG / Color Codes

- 2 = BN, BU
 - 3 = GN, RD/BK, RD/WH
 - 4 = RD/BK, RD/WH, RD, GN
 - 5 = RD/WH, RD, GN, RD/YE, RD/BK
 - 6 = RD/WH, RD, GN, RD/YE, RD/BK, RD/BU
- AWG sizes depend on body style and "/S" variety

Varieties

- (blank) = PVC jacket
- /S90 = TPU jacket
- /S90-SP = TPU coil cord
- /S105 = PVC jacket, mechanical shield (braided)
- /S600 = rubber jacket
- /S1077 = silicone tubing
- /S1094 = TPE mold body and TPE *weldlife*® cable and PTFE coated coupling nut
- /S1095 = TPE mold body
- /S1587 = *weldlife*, weld flash immune
- /XOR = irradiated PVC jacket
- /S.. = consult factory, special
- /CS.. = consult factory, special

Insertion Point of Extension Cable 2nd Prefix*

- * Female connector listed 1st, male connector 2nd
- Example: KB 3T-2-SB 3T

Length in Meters

Plug Options

T = T barb fitting

Extension Examples:

Hybrid connector extensions also available. Consult factory.



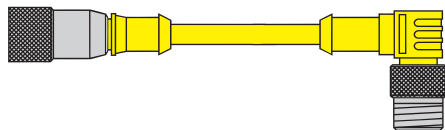
KB 4 T - 2 - R S 4.4 T



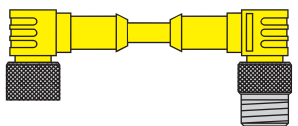
KB 3 T - 2 SB 3 T



WKB 3 T - 2 SB 3 T



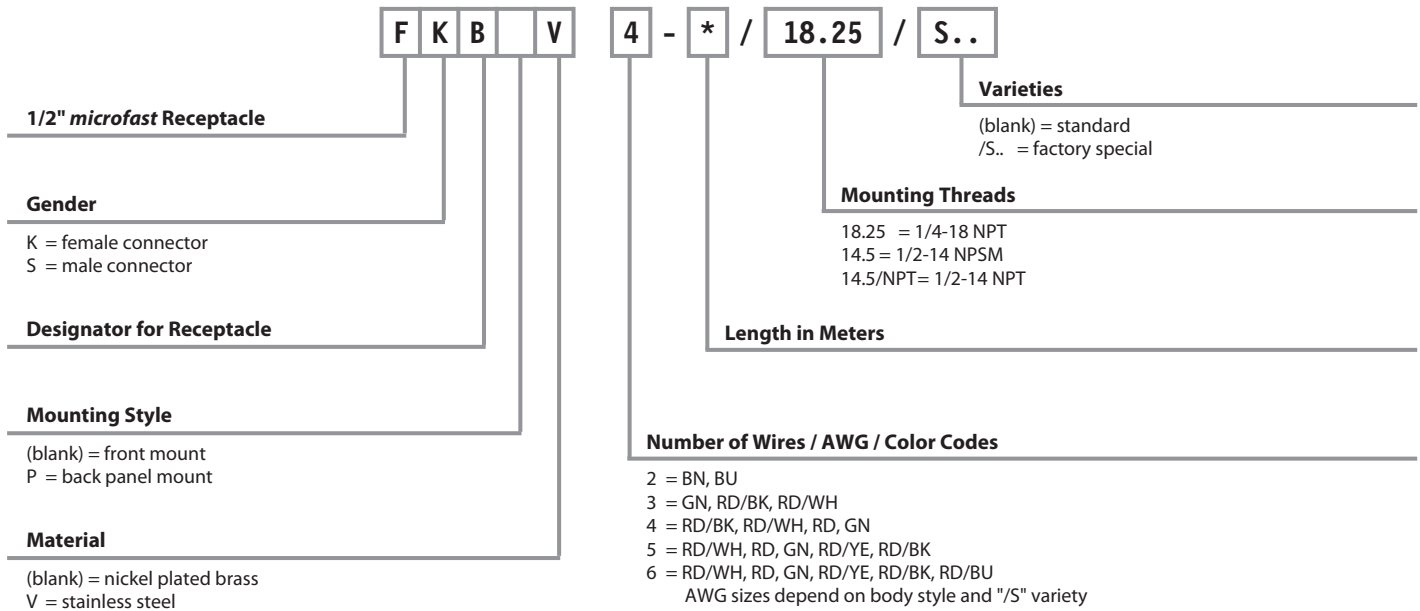
KB 3 T - 2 WSB 3 T



WKB 3 T - 2 WSB 3 T

Receptacle Part Number Key

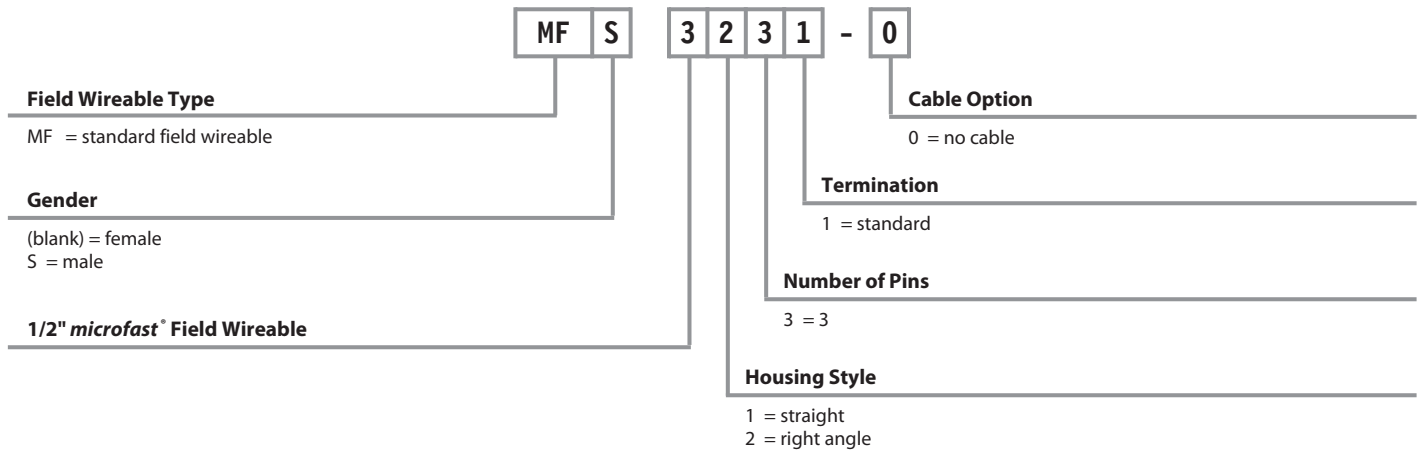
Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



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Field Wireable Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



3-Wire Cordsets, Standard Duty

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 250 V, 4 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>KB ..**</p>	KB 3T-* WKB 3T-*	SB 3T-* WSB 3T-*	AWM PVC Yellow, 3x22 AWG, 105°C, 5.1 mm OD, Cable #RF50531- [†] M [†]	<p>Female</p>
<p>WKB ..**</p>	KB 3T-*/S90 WKB 3T-*/S90	SB 3T-*/S90 WSB 3T-*/S90	AWM TPU Yellow, 3x18 AWG, 90°C, 5.7 mm OD, Cable #RF50547- [†] M [†] , Cut/Abrasion Immune	
<p>KB 3T-*/S105 WKB 3T-*/S105</p>	KB 3T-*/S105 WKB 3T-*/S105	SB 3T-*/S105 WSB 3T-*/S105	AWM PVC Yellow, 3x22 AWG, 105°C, 5.7 mm OD, Cable #RF50535- [†] M [†] , Braided Shield	
<p>SB ..**</p>	KB 3T-*/S749 WKB 3T-*/S749	SB 3T-*/S749 WSB 3T-*/S749	AWM PVC Yellow, 2x22 AWG, 105°C, 5.1 mm OD, Cable #RF50650- [†] M [†] , 3-pin with 2 conductors	<p>Male</p>
<p>KB 3T-*/S1507 WKB 3T-*/S1507</p>	KB 3T-*/S1507 WKB 3T-*/S1507	SB 3T-*/S1507 WSB 3T-*/S1507	AWM TPE Grey, 3x20 AWG 105°C, 5.7 mm OD, Cable #RF50940- [†] M [†] , Flexlife-20, High Flex - Over 20 million cycles	
<p>WSB ..**</p>	KB 3T-*/XOR WKB 3T-*/XOR	SB 3T-*/XOR WSB 3T-*/XOR	AWM PVC Yellow, 3x18 AWG, 80°C, 250°C short term, 5.7 mm OD, Cable #RF04159- [†] M [†] , Weld Flash Immune, High Temp Immune	

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass "KB .."; "KBK .." indicates nylon and "KBV .." indicates stainless steel.

† See Section N for **reelfast**® cable information.

TURCK 1/2" microfast® Connectivity



4, 5 and 6-Wire Cordsets, Standard Duty

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 250 V, 4 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>KB ..**</p>	KB 4T-* WKB 4T-*	SB 4T-* WSB 4T-*	AWM PVC Yellow, 4x22 AWG, 105°C, 5.7 mm OD, Cable #RF50555-*M† flexlife®, UL Listed, CSA Recognized	<p>Female</p> <p>Male</p>
	KB 4T-*/S90 WKB 4T-*/S90	SB 4T-*/S90 WSB 4T-*/S90	AWM TPU Yellow, 4x22 AWG, 105°C, 5.7 mm OD, Cable #RF50614-*M† Cut/Abrasion Immune, UL Listed, CSA Recognized	
<p>WKB ..**</p>	KB 4T-*/S105 WKB 4T-*/S105	SB 4T-*/S105 WSB 4T-*/S105	AWM PVC Yellow, 4x22 AWG, 105°C, 5.7 mm OD, Cable #RF50656-*M† Braided Copper Shield, UL Listed, CSA Recognized	<p>Female</p> <p>Male</p>
	KB 4T-*/S727 WKB 4T-*/S727	SB 4T-*/S727 WSB 4T-*/S727	AWM TPU Grey, 4x22 AWG, 90°C, 5.1 mm OD, Cable #RF50532-*M† Special Conductor Color Code, UL Listed, CSA Recognized	
<p>SB ..**</p>	KB 5T-* WKB 5T-*	SB 5T-* WSB 5T-*	AWM PVC Yellow, 5x22 AWG, 105°C, 5.7 mm OD, Cable #RF50556-*M† flexlife®, UL Listed, CSA Recognized	<p>Female</p> <p>Male</p>
	KB 6T-* WKB 6T-*	SB 6T-* WSB 6T-*	AWM PVC Yellow, 6x22 AWG, 105°C, 6.2 mm OD, Cable #RF51003-*M† flexlife	
<p>WSB ..**</p>	KB 6T-* WKB 6T-*	SB 6T-* WSB 6T-*	AWM PVC Yellow, 6x22 AWG, 105°C, 6.2 mm OD, Cable #RF51003-*M† flexlife	<p>Female</p> <p>Male</p>

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* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.
 ** Standard coupling nut material is nickel plated brass "KB .."; "KBK .." indicates nylon and "KBV .." indicates stainless steel.
 † See Section N for reelfast® cable information.

2, 3 and 5-Wire Cordsets, Large Plug Body

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 250 V, 4 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>KBE ..**</p> <p>WKBE ..**</p>	<p>KBE 2T-*</p> <p>WKBE 2T-*</p>	<p>SBE 2T-*</p> <p>WSBE 2T-*</p>	<p>AWM PVC Yellow, 2x18 AWG, 105°C, 7.2 mm OD, Cable #RF50511-[†]M[†], flexlife®</p>	<p>Female</p> <p>Male</p>
<p>KBE 3T-*</p> <p>WKBE 3T-*</p>	<p>KBE 3T-*</p> <p>WKBE 3T-*</p>	<p>SBE 3T-*</p> <p>WSBE 3T-*</p>	<p>AWM PVC Yellow, 3x18 AWG, 105°C, 7.2 mm OD, Cable #RF50520-[†]M[†], flexlife</p>	<p>Female</p> <p>Male</p>
<p>KBE 3T-*/S600</p> <p>WKBE 3T-*/S600</p>	<p>KBE 3T-*/S600</p> <p>WKBE 3T-*/S600</p>	<p>SBE 3T-*/S600</p> <p>WSBE 3T-*/S600</p>	<p>SJOOW CPE Yellow, 3x18 AWG, 105°C, 8.0 mm OD, Cable #RF50658-[†]M[†], Weld Flash Immune, Flame Immune</p>	<p>1. GN 2. RD/BK 3. RD/WH</p> <p>Male</p>
<p>KBE 3T-*/S1587</p> <p>WKBE 3T-*/S1587</p>	<p>KBE 3T-*/S1587</p> <p>WKBE 3T-*/S1587</p>	<p>SBE 3T-*/S1587</p> <p>WSBE 3T-*/S1587</p>	<p>AWM TPE Yellow, 3x18 AWG, 105°C, 7.2 mm OD, Cable #RF50957-[†]M[†], Weldlife, Weld Flash Immune</p>	<p>Male</p>
<p>KBE 5T-*</p> <p>WKBE 5T-*</p>	<p>KBE 5T-*</p> <p>WKBE 5T-*</p>	<p>SBE 5T-*</p> <p>WSBE 5T-*</p>	<p>AWM PVC Yellow, 5x18 AWG, 105°C, 7.2 mm OD, Cable #RF50521-[†]M[†], flexlife</p>	<p>Female</p> <p>Male</p>
<p>KBE 5T-*/S600</p> <p>WKBE 5T-*/S600</p>	<p>KBE 5T-*/S600</p> <p>WKBE 5T-*/S600</p>	<p>SBE 5T-*/S600</p> <p>WSBE 5T-*/S600</p>	<p>SJOOW CPE Yellow, 5x18 AWG, 105°C, 9.3 mm OD, Cable #RF50659-[†]M[†], Weld Flash Immune, Flame Immune</p>	<p>1. RD/WH 2. RD/BU 3. GN 4. RD/OG 5. RD/BK</p> <p>Male</p>
<p>KBE 5T-*/S1587</p> <p>WKBE 5T-*/S1587</p>	<p>KBE 5T-*/S1587</p> <p>WKBE 5T-*/S1587</p>	<p>SBE 5T-*/S1587</p> <p>WSBE 5T-*/S1587</p>	<p>AWM TPE Yellow, 5x18 AWG, 105°C, 7.2 mm OD, Cable #RF50958-[†]M[†], Weldlife, Weld Flash Immune</p>	<p>Male</p>

* Length in meters. Standard cable lengths are 2, 4, 6, 8 and 10 meters. Consult factory for other lengths.

** KBE large plug body has no stainless steel or nylon options.

† See Section N for reelfast® cable information.

3 and 4-Wire Spiral Cordsets, Standard Duty

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 250 V, 4 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>KB ..SP**</p>	<p>KB 3T-3.3/S90-SP WKB 3T-3.3/S90-SP</p>	<p>SB 3T-3.3/S90-SP WSB 3T-3.3/S90-SP</p>	<p>AWM TPU Yellow, 3x22 AWG, 80°C, 250 V, 4 A, 5.1 mm OD, for repetitive motion, 3-wire applications</p>	<p>Female</p> <p>Male</p>
<p>WKB ..SP**</p>				
<p>SB ..SP**</p>	<p>KB 4T-3.3/S90-SP/S727 WKB 4T-3.3/S90-SP/S727</p>	<p>SB 4T-3.3/S90-SP/S727 WSB 4T-3.3/S90-SP/S727</p>	<p>AWM TPU Grey, 4x22 AWG, 80°C, 250 V, 4 A, 5.1 mm OD, for repetitive motion, 3-wire AC flow sensor applications</p>	<p>Female</p> <p>Male</p>
<p>WSB ..SP**</p>				

* Length in meters. Standard cable length is 3.3 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass ""KB"(WKB)"..; "KBV(WKBV)" indicates stainless steel.

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Receptacle Selection Guide

Mounting Style	Image	Panel Thread Types	Page
<p>Front Mount</p>		<p>1/2-14 NPSM</p> <hr/>	<p>E9</p>
		<p>1/2-14 NPT</p> <hr/>	<p>E11</p>
		<p>1/4-18 NPT</p> <hr/>	<p>E13</p>
<p>Rear Mount</p>		<p>11/16-24 UNEF</p> <hr/>	<p>E15</p>
		<p>Bulkhead Feed-thru</p> <hr/>	<p>E15</p>



2, 3 and 4-Wire Receptacles, Front Mount, 1/2-14 NPSM Threads

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 250 V, 4 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FKB ...</p> <p>Typical panel cutout is 22.5 mm.</p>	FKB 2-*/14.5	FSB 2-*/14.5	2x18 AWG, 105°C	<p>Female</p> <p>Male</p> <p>1. BN 2. BU</p>
<p>FSB ...</p> <p>Typical panel cutout is 22.5 mm.</p>	FKB 3-*/14.5	FSB 3-*/14.5	3x22 AWG, 105°C	<p>Female</p> <p>Male</p> <p>1. GN 2. RD/BK 3. RD/WH</p>
	FKB 3-*/14.5/S690	FSB 3-*/14.5/S690	3x18 AWG, 105°C	<p>Female</p> <p>Male</p>
<p>FSB ...</p> <p>Typical panel cutout is 22.5 mm.</p>	FKB 4-*/14.5	FSB 4-*/14.5	4x22 AWG, 105°C	<p>Female</p> <p>Male</p> <p>1. RD/BK 2. RD/WH 3. RD 4. GN</p>

* Length in meters. Standard lead length is 0.5 Meters. Consult factory for other lengths.
Standard housing material is nickel plated brass."FSB ..".
To specify PVC jacketed cable, add "/S717" to the end of the part number.

5 and 6-Wire Receptacles, Front Mount, 1/2-14 NPSM Threads

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 250 V, 4 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FKB ...</p> <p>Typical panel cutout is 22.5 mm.</p>	FKB 5-*/14.5	FSB 5-*/14.5	5x22 AWG, 105°C, UL Listed, CSA Recognized	<p>Female</p> <p>Male</p>
<p>FSB ...</p> <p>Typical panel cutout is 22.5 mm.</p>	FKB 5-*/14.5/S690	FSB 5-*/14.5/S690	5x18 AWG, 105°C, UL Listed, CSA Recognized	<p>Female</p> <p>Male</p>
<p>FSB ...</p> <p>Typical panel cutout is 22.5 mm.</p>	FKB 6-*/14.5	FSB 6-*/14.5	6x22 AWG, 105°C	<p>Female</p> <p>Male</p>

* Length in meters. Standard lead length is 0.5 Meters. Consult factory for other lengths.
 Standard housing material is nickel plated brass."FSB ..".
 To specify PVC jacketed cable, add "/S717" to the end of the part number.

2, 3 and 4-Wire Receptacles, Front Mount, 1/2-14 NPT Threads

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 250 V, 4 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FKB ...</p> <p>Typical panel cutout is 22.5 mm.</p>	FKB 2-*/14.5/NPT	FSB 2-*/14.5/NPT	2x18 AWG, 105°C	<p>Female</p> <p>Male</p>
<p>FSB ...</p> <p>Typical panel cutout is 22.5 mm.</p>	FKB 3-*/14.5/NPT	FSB 3-*/14.5/NPT	3x22 AWG, 105°C	<p>Female</p> <p>Male</p>
<p>FSB ...</p> <p>Typical panel cutout is 22.5 mm.</p>	FKB 4-*/14.5/NPT	FSB 4-*/14.5/NPT	4x22 AWG, 105°C	<p>Female</p> <p>Male</p>

* Length in meters. Standard lead length is 0.5 Meters. Consult factory for other lengths.
Standard housing material is nickel plated brass."FSB."
To specify PVC jacketed cable, add "/S717" to the end of the part number.

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5 and 6-Wire Receptacles, Front Mount, 1/2-14 NPT Threads

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 250 V, 4 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FKB ...</p> <p>Typical panel cutout is 22.5 mm.</p>	FKB 5-*/14.5/NPT	FSB 5-*/14.5/NPT	5x22 AWG, 105°C, UL Listed, CSA Recognized	<p>Female</p> <p>Male</p>
<p>FSB ...</p> <p>Typical panel cutout is 22.5 mm.</p>		FSB 5-*/14.5/NPT/S690	5x18 AWG, 105°C, UL Listed, CSA Recognized	<p>Female</p> <p>Male</p>
<p>FKB ...</p> <p>Typical panel cutout is 22.5 mm.</p>	FKB 6-*/14.5/NPT	FSB 6-*/14.5/NPT	6x22 AWG, 105°C	<p>Female</p> <p>Male</p>

* Length in meters. Standard lead length is 0.5 Meters. Consult factory for other lengths.
Standard housing material is nickel plated brass.. "FSB..".
To specify PVC jacketed cable, add "/S717" to the end of the part number.



2 and 3-Wire Receptacles, Front Mount, 1/4-18 NPT Threads

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 250 V, 4 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FKB ...</p> <p>Typical panel cutout is 14.3 mm.</p>	FKB 2-*/18.25	FSB 2-*/18.25	2x18 AWG, 105°C	<p>Female</p> <p>Male</p>
<p>FSB ...</p> <p>Typical panel cutout is 14.3 mm.</p>	FKB 3-*/18.25	FSB 3-*/18.25	3x22 AWG, 105°C	<p>Female</p>
	FKB 3-*/18.25/S690	FSB 3-*/18.25/S690	3x18 AWG 105°C	
		FSB 3-*/18.25/S649	3x22 AWG 105°C	<p>Female</p>
	FKB 3-*/18.25/S662	FSB 3-*/18.25/S662	3x18 AWG 105°C	<p>Male</p>
		FSB 3-*/18.25/S881	3x22 AWG 105°C	<p>Female</p>

* Length in meters. Standard lead length is 0.5 Meters. Consult factory for other lengths.
 Standard housing material is nickel plated brass. "FSB ..". "FSBV.." indicates stainless steel housing.
 To specify PVC jacketed cable, add "/S717" to the end of the part number.

4, 5 and 6-Wire Receptacles, Front Mount, 1/4-18 NPT Threads

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 250 V, 4 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FKB ...</p> <p>Typical panel cutout is 14.3 mm.</p>		FSB 4-*/18.25/S621	4x18 AWG, 105°C, UL Listed, CSA Recognized	<p>Female</p> <p>Male</p>
	FKB 4-*/18.25	FSB 4-*/18.25	4x22 AWG, 105°C, UL Listed, CSA Recognized	<p>1. RD/BK 2. RD/WH 3. RD 4. GN</p>
		FSB 4-*/18.25/S727	4x22 AWG, 105°C, UL Listed, CSA Recognized	<p>1. BN 2. BU 3. BK 4. WH</p>
<p>FSB ...</p> <p>Typical panel cutout is 14.3 mm.</p>	FKB 5-*/18.25	FSB 5-*/18.25	5x22 AWG, 105°C, UL Listed, CSA Recognized	<p>Female</p> <p>Male</p>
	FKB 5-*/18.25/S690	FSB 5-*/18.25/S690	5x18 AWG, 105°C, UL Listed, CSA Recognized	<p>1. RD/WH 2. RD 3. GN 4. RD/YE 5. RD/BK</p>
	FKB 6-*/18.25	FSB 6-*/18.25	6x22 AWG, 105°C	<p>Female</p> <p>Male</p>

* Length in meters. Standard lead length is 0.5 Meters. Consult factory for other lengths.
Standard housing material is nickel plated brass."FSB ..". "FSBV.." indicates stainless steel housing.
To specify PVC jacketed cable, add "/S717" to the end of the part number.



3 and 5-Wire Female Receptacles, Back Panel Mount, 11/16-24 Threads

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 250 V, 4 A



Housing Style	Female Part Number	Features	Pinout
<p>FKBP ...</p> <p>Recommended panel thickness is 5.1 mm and typical panel cutout is 17.5 x 3.2 x 1.6 mm.</p>	FKBP 3-*	3x18 AWG, 105°C	<p>Female</p>
	FKBP 5-*	5x18 AWG, 105°C	<p>Female</p>

Standard housing material is nickel plated brass.

3, 4 and 5-Wire Shielded Bulkhead Feed-Thru Receptacles

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 250 V, 4 A



Housing Style	Part Number	Features	Pinout
<p>FKB FSB ..</p> <p>Recommended panel cutout thickness is 5.1 mm and typical panel cutout is 12.5 or 15.9 mm.</p>	FKB FSB 3	3-pin, 105°C	<p>Female</p>
	FKB FSB 4	4-pin, 105°C	<p>Female</p>
	FKB FSB 5	5-pin, 105°C	<p>Female</p>

Standard housing material is nickel plated brass.

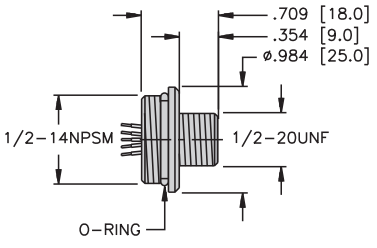
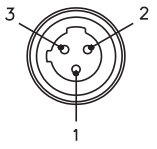
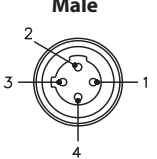
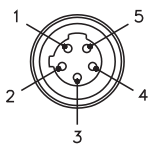
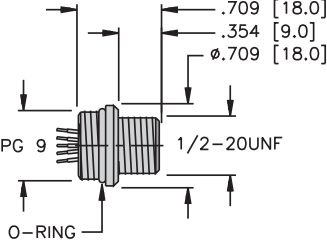
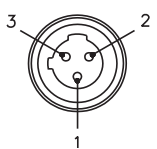
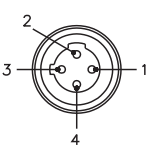
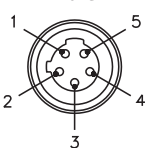
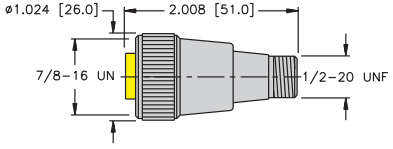
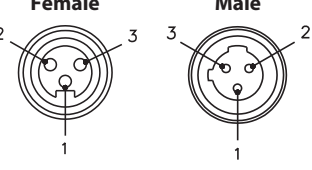
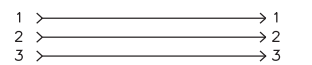
3-Pin Field Wireable Connectors

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>MF 3131-0</p>	MF 3131-0	MFS 3131-0	PBT, black, PG 7 cable diameter gland, accepts 4-6 mm cable diameter, screw terminals, accepts up to 18 AWG conductor, 85°C, 250 V, 4 A, mates with 3-wire cordsets and receptacles	<p>Female</p>
<p>MF 3231-0</p>				
<p>MFS 3131-0</p>	MF 3231-0	MFS 3231-0	PBT, black, PG 7 cable diameter gland, accepts 4-6 mm cable diameter, screw terminals, accepts up to 18 AWG conductor, 85°C, 250 V, 4 A, mates with 3-wire cordsets and receptacles	<p>Male</p>
<p>MFS 3231-0</p>				

Adapters

Housing Style	Part Number	Features	Pinout	
 <p>Typical panel cutout is 22.5 mm.</p>	B3131-*	Nickel plated brass, 3x26 AWG leads, 80°C, 250 V, 4 A, Mates with 3-pin cordsets, 1/2 - 14NPSM thread	1. GN 2. BN 3. BU	<p>Male</p> 
	B3141-*	Nickel plated brass, 4x22 AWG leads, 80°C, 250 V, 4 A, Mates with 4-pin cordsets, 1/2 - 14NPSM thread	1. RD/BK 2. RD/WH 3. RD 4. GN	<p>Male</p> 
	B3151-*	Nickel plated brass, 5x26 AWG leads, 80°C, 250 V, 4 A, Mates with 5-pin cordsets, 1/2 - 14NPSM thread	1. RD/WH 2. RD 3. GN 4. RD/YE 5. RD/BK	<p>Male</p> 
 <p>Typical panel cutout is 15.2 mm.</p>	B3131-PG9-*	Nickel plated brass, 3x26 AWG leads, 80°C, 250 V, 4 A, Mates with 3-pin cordsets, PG 9 thread	1. GN 2. BN 3. BU	<p>Male</p> 
	B3141-PG9-*	Nickel plated brass, 4x22 AWG leads, 80°C, 250 V, 4 A, Mates with 4-pin cordsets, PG 9 thread	1. RD/BK 2. RD/WH 3. RD 4. GN	<p>Male</p> 
	B3151-PG9-*	Nickel plated brass, 5x26 AWG leads, 80°C, 250 V, 4 A, Mates with 5-pin cordsets, PG 9 thread	1. RD/WH 2. RD 3. GN 4. RD/YE 5. RD/BK	<p>Male</p> 
	RKM 30/SB3	Nickel plated brass, 80°C, 250 V, 4 A, Female <i>minifast</i> ® to male <i>microfast</i> adapter, 3-pin	<p>Female Male</p>  <p>Wiring Diagram</p> 	

microfast

Accessories

- For Use in Sensors and Custom Receptacles
- Compatible with Standard microfast Cordsets



Housing Style	Part Number	Features	Pinout
	ESBW 3 (10/BAG)	Nylon solder cup, accepts up to 22 AWG, 80°C, 250 V, 4 A, Up to 3 conductors	<p>Male</p>
	ESBW 4 (10/BAG)	Nylon solder cup, accepts up to 22 AWG, 80°C, 250 V, 4 A, Up to 4 conductors	<p>Male</p>
	ESBW 5 (10/BAG)	Nylon solder cup, accepts up to 22 AWG, 80°C, 250 V, 4 A, Up to 5 conductors	<p>Male</p>
	SB-CC (10/BAG)	Polypropylene closer cap, mates to female cordsets, receptacles and junction boxes	

Part Number Keys	F2
Cordsets	F6
Receptacles	F24
Field Wireables	F48
Tees	F53
Closure Caps	F60
Accessories	F63

Features

- 7/8-16, 1-16 and 1 1/8-16 UN thread connectors
- 7/8" available in 2 to 6-pin
- 1" available in 6 to 8-pin
- 1 1/8" available in 9, 10, 12 and 19-pin
- Up to 10 Amp, 600 Volt rated
- Limited power and control applications



Cordset Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



7/8", 1" & 1 1/8" minifast Cordset

R = straight
W = right angle

Gender

K = female connector, female threads
S = male connector, male threads
Y = male connector, female threads

Coupling Nut Material

(blank) = nylon
M = nickel plated brass
V = stainless steel (hex on 1", 1 1/8" and knurl on 7/8")
VH = stainless steel (hex on 7/8")

Insertion Point of Extension Cable 2nd Prefix*

* Male connector listed 1st, female connector 2nd
Example: RSM RKM 40-2M

Varieties

(blank) = PVC jacket
/S90 = TPU jacket
/S90-SP = TPU coil cord
/S101 = **flexlife®-20**, high flex cable
/S529 = yellow TPU jacket, braided shield, PVC inner jacket
/S600 = CPE, rubber jacket
/S824 = yellow PLTC
/S1077 = silicone tubing
/S1094 = TPE mold body, TPE **weldlife®** cable and PTFE coated coupling nut
/S1095 = TPE mold body
/S1587 = TPE, **weldlife**
/XOR/S620 = irradiated PVC, weld resistance
/S.. = consult factory, special
/CS .. = consult factory, special

Length in Meters

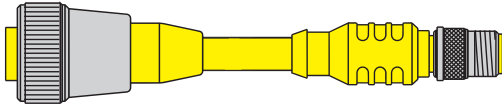
Number of Wires / AWG / Color Codes

- 20 = 2x18 AWG BN, BU
 - 26 = 2x16 AWG WH, BK
 - 28A = 2x18 AWG WH, BK
 - 30 = 3x18 AWG GN/YE, BN, BU
 - 31 = 3x18 AWG BK, BN, BU
 - 35 = 3x16 AWG GN, RD/BK, RD/WH
 - 36 = 3x16 AWG GN, BK, WH
 - 38A = 3x18 AWG GN, BK, WH
 - 311 = 3x18 AWG GN, RD/BK, RD/WH
 - 40 = 4x18 AWG BN, WH, BU, BK
 - 46 = 4x16 AWG BK, WH, RD, GN
 - 47 = 4x16 AWG BN, WH, BU, GN/YE
 - 48A = 4x18 AWG BK, WH, RD, GN
 - 50 = 5x18 AWG BK, BU, GN/YE, BN, WH
 - 55 = 5x16 AWG RD/WH, RD/BU, GN, RD/OG, RD/BK
 - 56 = 5x16 AWG WH, RD, GN, OG, BK
 - 58A = 5x18 AWG WH, RD, GN, OG, BK
 - 511 = 5x18 AWG RD/WH, RD/BU, GN, RD/OG, RD/BK
 - 61 = 6x18 AWG GN, WH, BU, GY, YE, BN
 - 66 = 6x16 AWG WH, RD, GN, OG, BK, BU
 - 68A = 6x18 AWG WH, RD, GN, OG, BK, BU
 - 6B6 = 6x16 AWG OG, BU, BK, WH, RD, GN
 - 76 = 7x16 AWG WH/BK, BK, WH, RD, OG, BU, GN
 - 86 = 8x16 AWG OG, BU, WH/BK, BK, WH, RD, GN, RD/BK
 - 96 = 9x16 AWG OG, BU, RD/BK, GN/BK, WH, RD, GN, WH/BK, BK
 - 106 = 10x16 AWG OG, BU, WH/BK, RD/BK, GN/BK, OG/BK, RD, GN, BK, WH
 - 126 = 12x16 AWG OG, BU, WH/BK, RD/BK, GN/BK, OG/BK, BU/BK, BK/WH, GN, RD, WH, BK
- ___A Metal Clad Cable (18 AWG straight only)
___D Smooth Plug Body (16 AWG straight only)

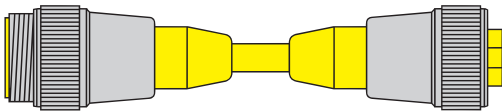
Cordset Part Number Key

Extension Examples:

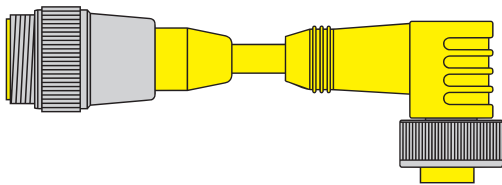
Hybrid connector extensions also available. Consult factory.



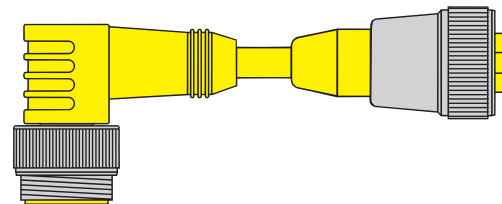
R K M 40 - 2M - R S C 4.4T



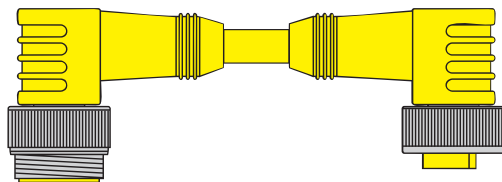
R S M R K M 30 - 4M /S..



R S M W K M 30 - 4M /S..



W S M R K M 30 - 4M /S..

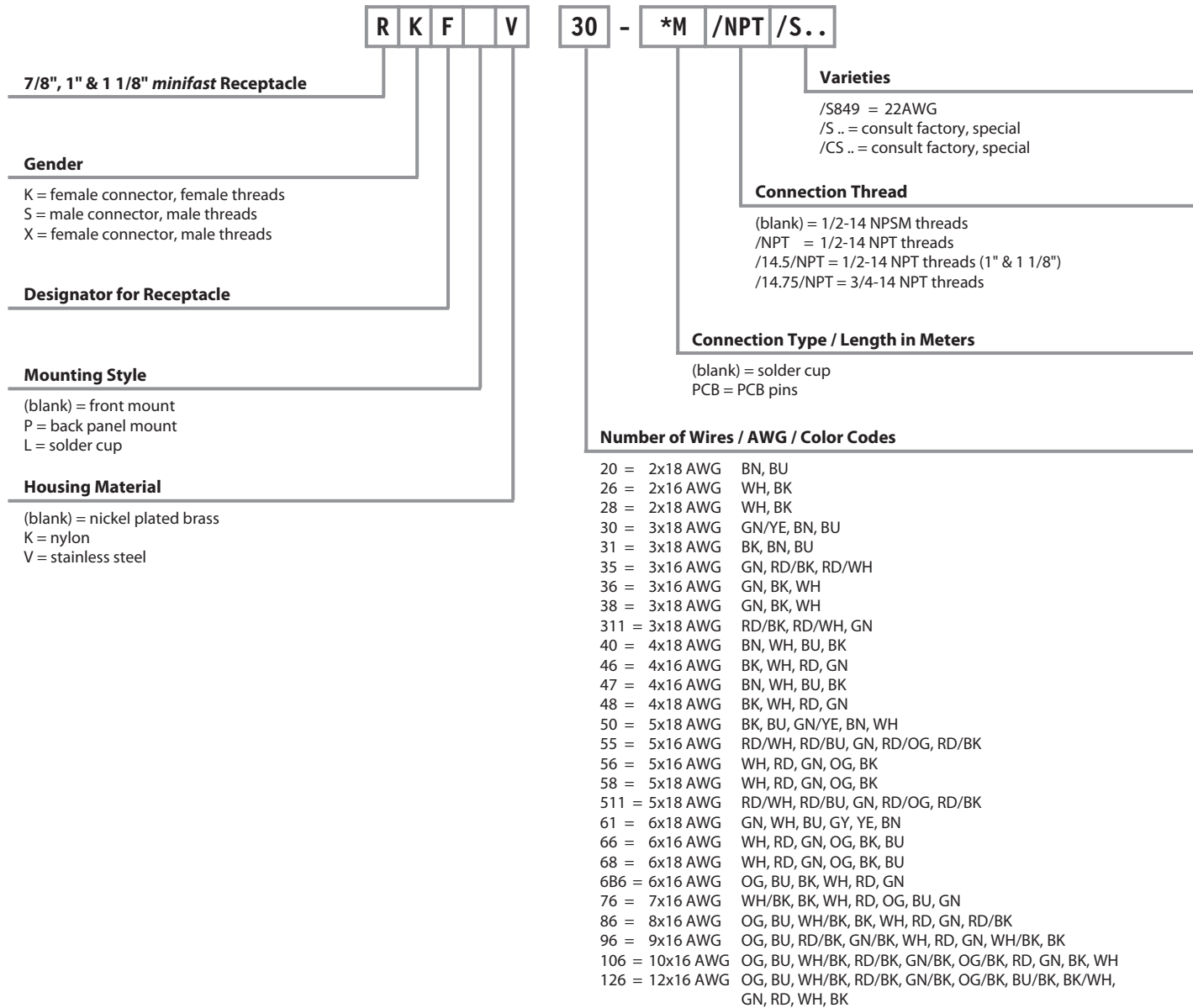


W S M W K M 30 - 4M /S..

minifast

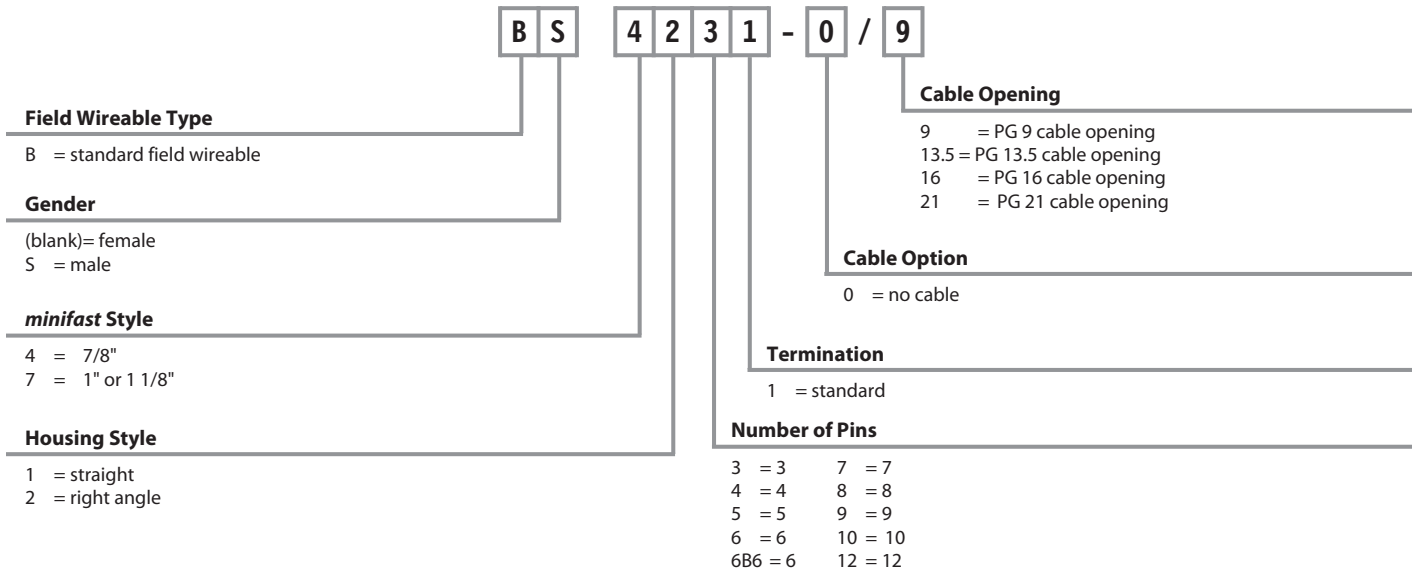
Receptacle Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



Field Wireable Part Number Key

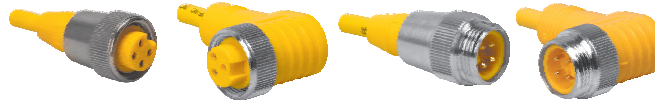
Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



minifast

2 and 3-Wire Cordsets, Standard

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 300 V, 9 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKM ..**</p>	RKM 20- *M WKM 20- *M	RSM 20- *M WSM 20- *M	AWM PVC Yellow 2x18 AWG, 105°C, 7.2 mm OD, Cable #RF50511-*M†, flexlife*	<p>Female</p> <p>Male</p>
<p>WKM ..**</p>	RKM 30-*M WKM 30-*M	RSM 30-*M WSM 30-*M	AWM PVC Yellow, 3x18 AWG, 105°C, 7.2 mm OD, Cable #RF50512-*M†, flexlife	<p>Female</p>
<p>RSM ..**</p>	RKM 30-*M/S90 WKM 30-*M/S90	RSM 30-*M/S90 WSM 30-*M/S90	AWM TPU Yellow, 3x18 AWG, 90°C, 7.2 mm OD, Cable #RF50545-*M†, Cut Abrasion Immune	
<p>RSM ..**</p>	RKM 30-*M/S101 WKM 30-*M/S101	RSM 30-*M/S101 WSM 30-*M/S101	AWM TPE Yellow, 3x18 AWG, 105°C, 5.9 mm OD, Cable #RF51173-*M†, flexlife-20, high flex over 20 million cycles	<p>Male</p>
<p>WSM ..**</p>	RKM 311-*M WKM 311-*M	RSM 311-*M WSM 311-*M	AWM PVC Yellow, 3x18 AWG, 105°C, 7.2 mm OD, Cable #RF50520-*M†, flexlife	
<p>WSM ..**</p>	RKM 311-*M/S600 WKM 311-*M/S600	RSM 311-*M/S600 WSM 311-*M/S600	SJOOW CPE, Yellow, 3x18 AWG, 105°C, 8.0 mm OD, Cable #RF50658-*M†, Weld Flash Immune, Flame Immune	

* Length in Meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass "RKM .."; "RK .." indicates nylon, "RKM .." indicates stainless steel, and "RKMVH .." indicates stainless steel hex.

† See Section N for **reelfast**® cable information.

TURCK 7/8" minifast® Connectivity Products



3-Wire Cordsets, Standard

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 300 V, 9 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKM ..**</p>	RKM 311-*M/X0R/S620 WKM 311-*M/X0R/S620	RSM 311-*M/X0R/S620 WSM 311-*M/X0R/S620	AWM Irradiated PVC Yellow, 3x18 AWG, 80°C, 5.7 mm OD, Cable #RF04159-*M [†] , Weld Resistance	1. GN 2. RD 3. RD/WH
<p>WKM ..**</p>	RKM 31-*M WKM 31-*M	RSM 31-*M WSM 31-*M	ITC/PLTC PVC Yellow, 3x18 AWG, 105°C, 7.2 mm OD, Cable #RF50513-*M [†] , flexlife	<p>Female</p>
<p>RSM ..**</p>	RKM 31-*M/S600 WKM 31-*M/S600	RSM 31-*M/S600 WSM 31-*M/S600	SJOOW CPE Yellow, 3x18 AWG, 105°C, 8.0 mm OD, Cable #RF50654-*M [†] , Weld Flash Immune, Flame Immune	
<p>WSM ..**</p>	RKM 31-*M/S759 WKM 31-*M/S759	RSM 31-*M/S759 WSM 31-*M/S759	AWM PVC Grey, 3x22 AWG, 80°C, 5.2 mm OD, Cable #RF04106-*M [†] Braided Shield	<p>Male</p>
	RKM 31-*M/S816 WKM 31-*M/S816	RSM 31-*M/S816 WSM 31-*M/S816	AWM PVC Yellow, 3x20 AWG, 105°C, 5.1 mm OD, Cable #RF50674-*M [†] , flexlife	

Cordsets

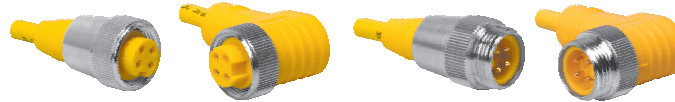
* Length in Meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass "RKM .."; "RK .." indicates nylon, "RKV .." indicates stainless steel, and "RKVH .." indicates stainless steel hex.

[†] See Section N for **reelfast**® cable information.

3 and 4-Wire Cordsets, Standard

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 300 V, 9 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKM ..**</p>	RKM 40-*M WKM 40-*M	RSM 40-*M WSM 40-*M	AWM PVC Yellow, 4x18 AWG, 105°C, 7.2 mm OD, Cable #RF50548-*M†, flexlife	<p>Female</p> <p>Male</p>
<p>WKM ..**</p>	RKM 40-*M/S90 WKM 40-*M/S90	RSM 40-*M/S90 WSM 40-*M/S90	ITC/PLTC TPU Yellow, 4x18 AWG, 105°C, 7.2 mm OD, Cable #RF50544-*M†, Cut/Abrasion Immune	
<p>RSM ..**</p>	RKM 40-*M/S101 WKM 40-*M/S101	RSM 40-*M/S101 WSM 40-*M/S101	AWM TPE Yellow, 4x18 AWG, 105°C, 6.4 mm OD, Cable #RF50968-*M†, flexlife-20, High Flex - Over 20 million cycles	
<p>WSM ..**</p>	RKM 40-*M/S529 WKM 40-*M/S529	RSM 40-*M/S529 WSM 40-*M/S529	TPU Yellow, 4x20 AWG, 90°C, 5.7 mm OD, Cable #RF50526-*M†, Cut/Abrasion Immune, Braided Mechanical Shield	
	RKM 40-*M/S600 WKM 40-*M/S600	RSM 40-*M/S600 WSM 40-*M/S600	SJOOW CPE Yellow, 4x18 AWG, 105°C, 8.5 mm OD, Cable #RF50644-*M†, Weld Flash Immune, Flame Immune	
	RKM 40-*M/S824 WKM 40-*M/S824	RSM 40-*M/S824 WSM 40-*M/S824	ITC/PLTC PVC Yellow, 4x18 AWG, 105°C, 7.2 mm OD Cable #RF50844-*M†, flexlife	

* Length in Meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass "RKM .."; "RK .." indicates nylon, "RKV .." indicates stainless steel, and "RKVH .." indicates stainless steel hex.

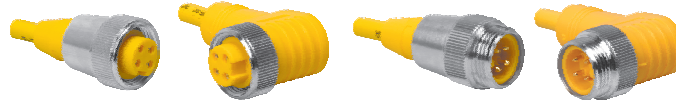
† See Section N for **reelfast**® cable information.

TURCK 7/8" minifast® Connectivity Products



5-Wire Cordsets, Standard

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 300 V, 9 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKM ..**</p>	RKM 50-*M WKM 50-*M	RSM 50-*M WSM 50-*M	AWM PVC Yellow, 5x18 AWG, 105°C, 7.2 mm OD, Cable #RF50549-*M†, flexlife*	<p>Female</p> <p>Male</p>
<p>WKM ..**</p>	RKM 50-*M/S90 WKM 50-*M/S90	RSM 50-*M/S90 WSM 50-*M/S90	AWM TPU Yellow, 5x18 AWG, 90°C, 7.2 mm OD, Cable #RF50751-*M†, Cut/Abrasion Immune	
<p>RSM ..**</p>	RKM 50-*M/S101 WKM 50-*M/S101	RSM 50-*M/S101 WSM 50-*M/S101	AWM TPE Yellow, 5x18 AWG, 105°C, 7.2 mm OD, Cable #RF51174-*M†, flexlife-20, high flex over 20 million cycles	
<p>RSM ..**</p>	RKM 50-*M/S1551 WKM 50-*M/S1551	RSM 50-*M/S1551 WSM 50-*M/S1551	AWM PVC Yellow, 5x18 AWG, 105°C, 7.2 mm OD, Cable #RF50578-*M†, Yellow conductor instead of Green/Yellow	
<p>WSM ..**</p>	RKM 511-*M WKM 511-*M	RSM 511-*M WSM 511-*M	AWM PVC Yellow, 5x18 AWG, 105°C, 7.2 mm OD, Cable #RF50521-*M†, flexlife	
<p>WSM ..**</p>	RKM 511-*M/S600 WKM 511-*M/S600	RSM 511-*M/S600 WSM 511-*M/S600	SJOOW CPE Yellow, 5x18 AWG, 105°C, 9.3 mm OD, Cable #RF50659-*M†, Weld Flash Immune, Flame Immune	

Cordsets

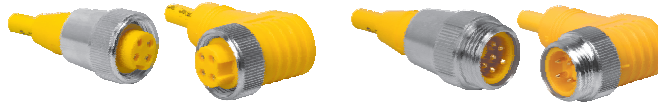
* Length in Meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass "RKM .."; "RK .." indicates nylon, "RKV .." indicates stainless steel, and "RKVH .." indicates stainless steel hex.

† See Section N for **reelfast**® cable information.

6-Wire Cordsets, Standard

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 300 V, 8 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKM ..**</p>	<p>RKM 60-*M/S90/S853 WKM 60-*M/S90/S853</p>	<p>RSM 60-*M/S90/S853 WSM 60-*M/S90/S853</p>	<p>AWM TPU Yellow, 3x18 AWG, 90°C, 7.2 mm OD, Cable #RF50545-*M†, 6-pin style connector with 3 conductor</p>	<ol style="list-style-type: none"> 1. BN 2. N/C 3. GN/YE 4. N/C 5. BU 6. N/C
<p>WKM ..**</p>	<p>RKM 61-*M WKM 61-*M</p>	<p>RSM 61-*M WSM 61-*M</p>	<p>AWM PVC Yellow, 6x18 AWG, 105°C, 7.2 mm OD, Cable #RF50575-*M†, flexlife®</p>	<p>Female</p> <p>Male</p>
<p>RSM ..**</p>	<p>RKM 61-*M/S739 WKM 61-*M/S739</p>	<p>RSM 61-*M/S739 WSM 61-*M/S739</p>	<p>ITC/PLTC PVC Yellow, 7x18 AWG, 105°C, 8.4 mm OD, Cable #RF50637-*M†, Shielded cable with drain wire, not connected at plug</p>	
<p>WSM ..**</p>	<p>RKM 61-*M/S763 WKM 61-*M/S763</p>	<p>RSM 61-*M/S763 WSM 61-*M/S763</p>	<p>AWM PVC Black, 6x18 AWG, 105°C, 7.2 mm OD, Cable #RF50551-*M†, Shielded cable with drain wire, not connected at plug</p>	
	<p>RKM 61-*M/S1052/S1587 WKM 61-*M/S1052/S1587</p>	<p>RSM 61-*M/S1052/S1587 WSM 61-*M/S1052/S1587</p>	<p>AWM TPE Grey, 6x18 AWG, 105°C, 7.2 mm OD, Cable #RF51274-*M†, weldlife, Weld Flash Immune</p>	
			<ol style="list-style-type: none"> 1. BU 2. WH 3. BK 4. GN 5. RD 6. OG 	

* Length in Meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass "RKM .."; "RK .." indicates nylon, "RKV .." indicates stainless steel, and "RKVH .." indicates stainless steel hex.

† See Section N for **reelfast**® cable information.

TURCK 7/8" minifast® Connectivity Products



2 and 3-Wire Cordsets, Heavy Duty

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 600 V, 10 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKM ..**</p>	RKM 26-*M WKM 26-*M	RSM 26-*M WSM 26-*M	STOW PVC Yellow 2x16 AWG, 105°C, 10.4 mm OD, Cable #RF50561-*M†, flexlife*	<p>Female</p> <p>Male</p>
<p>WKM ..**</p>	RKM 35-*M WKM 35-*M	RSM 35-*M WSM 35-*M	STOW PVC Yellow, 3x16 AWG, 105°C, 10.4 mm OD, Cable #RF50537-*M†, flexlife	<p>Female</p>
<p>RSM ..**</p>	RKM 35-*M/S600 WKM 35-*M/S600	RSM 35-*M/S600 WSM 35-*M/S600	SOOW CPE Yellow, 3x16 AWG, 105°C, 10.3 mm OD, Cable #RF50596-*M†, Weld Flash Immune, Flame Immune	<p>Female</p>
<p>WSM ..**</p>	RKM 36-*M WKM 36-*M	RSM 36-*M WSM 36-*M	STOW PVC Yellow, 3x16 AWG, 105°C, 10.4 mm OD, Cable #RF50536-*M†, flexlife	<p>Male</p>
	RKM 36-*M/S1587 WKM 36-*M/S1587	RSM 36-*M/S1587 WSM 36-*M/S1587	SEOW/STOW TPE Yellow, 3x16 AWG, 105°C, 10.4 mm OD, Cable #RF51563-*M†, weldlife, Weld Flash Immune	<p>1. GN 2. BK 3. WH</p>

Cordsets

* Length in Meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.
 ** Standard coupling nut material is nickel plated brass "RKM .."; "RK .." indicates nylon, "RKV .." indicates stainless steel, and "RKVH .." indicates stainless steel hex.
 † See Section N for **reelfast**® cable information.

4-Wire Cordsets, Heavy Duty

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 600 V, 10 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKM ..**</p>	RKM 46-*M WKM 46-*M	RSM 46-*M WSM 46-*M	STOW PVC Yellow, 4x16 AWG, 105°C, 11 mm OD, Cable #RF50538-*M†, flexlife	<p>Female</p>
<p>WKM ..**</p>	RKM 46-*M/S600 WKM 46-*M/S600	RSM 46-*M/S600 WSM 46-*M/S600	SOOW CPE Yellow, 4x16 AWG, 105°C, 11 mm OD, Cable #RF50595-*M†, Weld Flash Immune, Flame Immune	<p>1. BK 2. WH 3. RD 4. GN</p> <p>Male</p>
<p>RSM ..**</p>	RKM 46-*M/S824 WKM 46-*M/S824	RSM 46-*M/S824 WSM 46-*M/S824	TC PVC Yellow, 4x16 AWG, 90°C, 9.6 mm OD, Cable #RF51220-*M†, Tray Rated	
<p>WSM ..**</p>	RKM 47-*M WKM 47-*M	RSM 47-*M WSM 47-*M	STOW PVC Yellow, 4x16 AWG, 105°C, 11 mm OD, Cable #RF50626-*M†, flexlife	<p>1. BN 2. WH 3. BU 4. BK</p> <p>Female</p> <p>Male</p>

* Length in Meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass "RKM .."; "RK .." indicates nylon, "RKV .." indicates stainless steel, and "RKVH .." indicates stainless steel hex.

† See Section N for **reelfast**® cable information.

TURCK 7/8" minifast® Connectivity Products



5 and 6-Wire Cordsets, Heavy Duty

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 600 V, 10 A (5-pin), 8 A (6-pin)



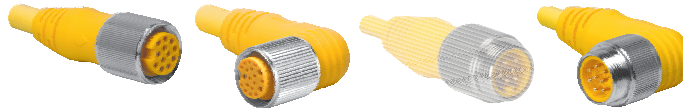
Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKM ..**</p>	RKM 55-*M WKM 55-*M	RSM 55-*M WSM 55-*M	STOW PVC Yellow, 5x16 AWG, 105°C, 13.2 mm OD, Cable #RF50540-*M†, flexlife*	1. RD/WH 2. RD/BU 3. GN 4. RD/OG 5. RD/BK
<p>WKM ..**</p>	RKM 55-*M/S600 WKM 55-*M/S600	RSM 55-*M/S600 WSM 55-*M/S600	SOOW CPE Yellow, 5x16 AWG, 105°C, 13 mm OD, Cable #RF50597-*M†, Weld Flash Immune, Flame Immune	1. RD 2. RD 3. GN 4. RD 5. RD
<p>RKM 56-*M WKM 56-*M</p>	RKM 56-*M WKM 56-*M	RSM 56-*M WSM 56-*M	SEOW/STOW PVC Yellow, 5x16 AWG, 105°C, 13.2 mm OD, Cable #RF50539-*M†, flexlife	1. WH 2. RD 3. GN 4. OG 5. BK
<p>RSM ..**</p>	RKM 56-*M/S1587 WKM 56-*M/S1587	RSM 56-*M/S1587 WSM 56-*M/S1587	SEOW/STOW TPE Yellow, 5x16 AWG, 105°C, 13.2 mm OD Cable #RF51265-*M†, weldlife, Weld Flash Immune	1. WH 2. RD 3. GN 4. OG 5. BK
<p>WKM ..**</p>	RKM 66-*M WKM 66-*M	RSM 66-*M WSM 66-*M	STOW PVC Yellow, 6x16 AWG, 105°C, 13.7 mm OD, Cable #RF50565-*M†, flexlife	1. WH 2. RD 3. GN 4. OG 5. BK 6. BU
<p>RKM 66-*M WKM 66-*M</p>	RKM 66-*M/S1587 WKM 66-*M/S1587	RSM 66-*M/S1587 WSM 66-*M/S1587	SEOW/STOW TPE Yellow, 6x16 AWG, 105°C, 13.7 mm OD, Cable #RF51564-*M†, weldlife, Weld Flash Immune	1. WH 2. RD 3. GN 4. OG 5. BK 6. BU

Cordsets

* Length in Meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.
 ** Standard coupling nut material is nickel plated brass "RKM .."; "RK .." indicates nylon, "RKV .." indicates stainless steel hex.
 † See Section N for **reelfast**® cable information.

6 and 7-Wire Cordsets, B-Size Heavy Duty

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 600 VAC/DC, 8 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKM ..**</p>	RKM 6B6-*M WKM 6B6-*M	RSM 6B6-*M WSM 6B6-*M	ITC/PLTC PVC Yellow, 6x16 AWG, 105°C, 9.6 mm OD, Cable #RF51030-*M†, flexlife*	<p>Female</p> <p>Male</p>
	RKM 6B6-*M/S90 WKM 6B6-*M/S90	RSM 6B6-*M/S90 WSM 6B6-*M/S90	ITC/PLTC TPU Yellow, 6x16 AWG, 105°C, 9.6 mm OD, Cable #RF51137-*M†, Cut/abrasion Immune	
<p>WKM ..**</p>	RKM 6B6-*M/S101 WKM 6B6-*M/S101	RSM 6B6-*M/S101 WSM 6B6-*M/S101	AWM TPE Yellow, 6x16 AWG, 105°C, 8.5 mm OD, Cable #RF51044-*M†, flexlife-20, High flex - over 20 million cycles	<p>1. OG 2. BU 3. BK 4. WH 5. RD 6. GN</p>
	RKM 6B6-*M/S1587 WKM 6B6-*M/S1587	RSM 6B6-*M/S1587 WSM 6B6-*M/S1587	AWM PVC Yellow, 6x16 AWG, 105°C, 9.6 mm OD, Cable #RF51053-*M†, weldlife, Weld flash Immune	
<p>RSM ..**</p>	RKM 76-*M WKM 76-*M	RSM 76-*M WSM 76-*M	ITC/PLTC PVC Yellow, 7x16 AWG, 105°C, 9.6 mm OD, Cable #RF51031-*M†, flexlife	<p>Female</p> <p>Male</p>
	RKM 76-*M/S90 WKM 76-*M/S90	RSM 76-*M/S90 WSM 76-*M/S90	ITC/PLTC TPU Yellow, 7x16 AWG, 105°C, 9.6 mm OD, Cable #RF51138-*M†, Cut/abrasion Immune	
<p>WSM ..**</p>	RKM 76-*M/S101 WKM 76-*M/S101	RSM 76-*M/S101 WSM 76-*M/S101	AWM TPE Yellow, 7x18 AWG, 105°C, 9.6 mm OD, Cable #RF51049-*M†, flexlife-20, High flex - over 20 million cycles	<p>1. WH/BK 2. BK 3. WH 4. RD 5. OG 6. BU 7. GN</p>
	RKM 76-*M/S1587 WKM 76-*M/S1587	RSM 76-*M/S1587 WSM 76-*M/S1587	AWM TPE Yellow, 7x16 AWG, 105°C, 9.6 mm OD, Cable #RF51009-*M† weldlife, Weld flash Immune	

* Length in Meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass "RKM .."; "RKV .." indicates stainless steel.

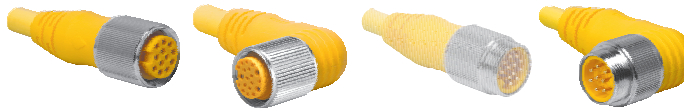
† See Section N for reelfast® cable information.

TURCK 1" minifast® Connectivity Products



8-Wire Cordsets, B-Size Heavy Duty

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 600 VAC/DC, 8 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKM ..**</p>	RKM 86-*M WKM 86-*M	RSM 86-*M WSM 86-*M	ITC PLTC PVC Yellow, 8x16 AWG, 105°C, 11.2 mm OD, Cable #RF51032-*M†, <i>flexlife</i> *	<p>Female</p> <p>1. OG 2. BU 3. WH/BK 4. BK 5. WH 6. RD 7. GN 8. RD/BK</p> <p>Male</p>
<p>WKM ..**</p>	RKM 86-*M/S90 WKM 86-*M/S90	RSM 86-*M/S90 WSM 86-*M/S90	ITC/PLTC TPU Yellow, 8x16 AWG, 105°C, 11.2 mm OD, Cable #RF51139-*M†, Cut/abrasion Immune	
<p>RSM ..**</p>	RKM 86-*M/S101 WKM 86-*M/S101	RSM 86-*M/S101 WSM 86-*M/S101	AWM TPE Yellow, 8x16, 105°C, 9.6 mm OD, Cable #RF51050-*M†, <i>flexlife</i> -20, High flex - over 20 million cycles	
<p>WSM ..**</p>	RKM 86-*M/S1587 WKM 86-*M/S1587	RSM 86-*M/S1587 WSM 86-*M/S1587	AWM TPE Yellow, 8x16 AWG, 105°C, 10.5 mm OD, Cable #RF51011-*M†, <i>weldlife</i> , Weld flash Immune	

Cordsets

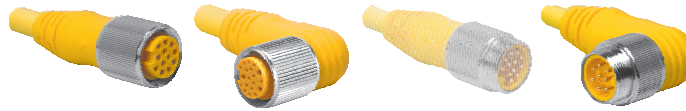
* Length in Meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass "RKM .."; "RKV .." indicates stainless steel.

† See Section N for **reelfast**® cable information.

9 and 10-Wire Cordsets, C-Size Heavy Duty

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 600 VAC/DC, 7 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKM ..**</p>	RKM 96-*M WKM 96-*M	RSM 96-*M WSM 96-*M	ITC/PLTC PVC Yellow, 9x16 AWG, 105°C, 12.5 mm OD, Cable #RF51033-*M†, flexlife*	<p>Female</p>
	RKM 96-*M/S90 WKM 96-*M/S90	RSM 96-*M/S90 WSM 96-*M/S90	ITC/PLTC TPU Yellow, 9x16 AWG, 105°C, 12.5 mm OD, Cable #RF51140-*M†, Cut/abrasion Immune	
<p>WKM ..**</p>	RKM 96-*M/S101 WKM 96-*M/S101	RSM 96-*M/S101 WSM 96-*M/S101	AWM TPE Yellow, 9x16 AWG, 105°C, 10.5 mm OD, Cable #RF51051-*M†, flexlife-20, High flex - over 20 million cycles	<p>Male</p>
	RKM 96-*M/S1587 WKM 96-*M/S1587	RSM 96-*M/S1587 WSM 96-*M/S1587	AWM TPE Yellow, 9x16 AWG, 105°C, 11.2 mm OD, Cable #RF51013-*M†, weldlife, Weld flash Immune	
<p>RSM ..**</p>	RKM 106-*M WKM 106-*M	RSM 106-*M WSM 106-*M	ITC/PLTC PVC Yellow, 10x16 AWG, 105°C, 12.5 mm OD, Cable #RF51034-*M†, flexlife	<p>Female</p>
	RKM 106-*M/S90 WKM 106-*M/S90	RSM 106-*M/S90 WSM 106-*M/S90	ITC/PLTC Yellow, 10x16 AWG, 105°C, 12.5 mm OD, Cable #RF51141-*M†, Cut/abrasion Immune	
<p>WSM ..**</p>	RKM 106-*M/S101 WKM 106-*M/S101	RSM 106-*M/S101 WSM 106-*M/S101	AWM TPE Yellow, 10x16 AWG, 105°C, 10.5 mm OD, Cable #RF51052-*M†, flexlife-20, High flex - over 20 million cycles	<p>Male</p>
	RKM 106-*M/S1587 WKM 106-*M/S1587	RSM 106-*M/S1587 WSM 106-*M/S1587	AWM TPE Yellow, 10x16 AWG, 105°C, 12.5 mm OD, Cable #RF51015-*M† weldlife, Weld flash Immune	

* Length in Meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass "RKM .."; "RKM .." indicates stainless steel.

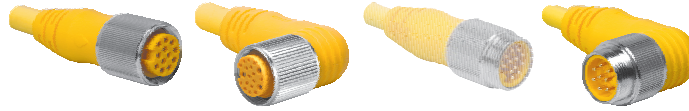
† See Section N for **reelfast**® cable information.

TURCK 1 1/8" minifast® Connectivity Products



12-Wire Cordsets, C-Size Heavy Duty

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 600 VAC/DC, 7 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKM ..**</p>	RKM 126-*M WKM 126-*M	RSM 126-*M WSM 126-*M	ITC/PLTC PVC Yellow, 12x16 AWG, 105°C, 13.2 mm OD, Cable #RF51035-*M†, <i>flexlife</i> ®	<p>Female</p>
<p>WKM ..**</p>	RKM 126-*M/S90 WKM 126-*M/S90	RSM 126-*M/S90 WSM 126-*M/S90	ITC/PLTC TPU Yellow, 12x16 AWG, 105°C, 13.2 mm OD, Cable #RF51142-*M†, Cut/abrasion Immune	
<p>RSM ..**</p>	RKM 126-*M/S101 WKM 126-*M/S101	RSM 126-*M/S101 WSM 126-*M/S101	AWM TPE Yellow, 12x16 AWG, 105°C, 11.2 mm OD, Cable #RF51148-*M†, <i>flexlife-20</i> , High flex - over 20 million cycles	
<p>WSM ..**</p>	RKM 126-*M/S1587 WKM 126-*M/S1587	RSM 126-*M/S1587 WSM 126-*M/S1587	AWM TPE Yellow, 12x16 AWG, 105°C, 12.5 mm OD, Cable #RF51017-*M†, <i>weldlife</i> , Weld flash Immune	
	RKM 126-*M/S1052/S1587 WKM 126-*M/S1052/S1587	RSM 126-*M/S1052/S1587 WSM 126-*M/S1052/S1587	AWM TPE Grey, 12x16 AWG, 105°C, 12.5 mm OD, Cable #RF51275-*M†, <i>weldlife</i> , Weld flash Immune	

Cordsets

* Length in Meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass "RKM .."; "RKV .." indicates stainless steel.

† See Section N for *reelfast*® cable information.

19-Wire Cordsets, C-Size Heavy Duty

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKM ..**</p>	<p>RKM 190-*M WKM 190-*M</p>	<p>RSM 190-*M WSM 190-*M</p>	<p>PLTC PVC Yellow, 3x18, 16x22 AWG, 105°C, 300 VAC/VDC, 4 A (pins 5, 7, & 12), 2 A (all other pins), 10.0 mm OD, Cable #RF50620-*M†, <i>flexlife</i>®</p>	<p>Female</p> <p>Male</p>
<p>WKM ..**</p>	<p>RKM 190-*M/S90 WKM 190-*M/S90</p>	<p>RSM 190-*M/S90 WSM 190-*M/S90</p>	<p>PLTC TPU Yellow, 3x18, 16x22 AWG, 105°C, 300 VAC/VDC, 4 A (pins 5, 7, & 12), 2 A (all other pins), 10.4 mm OD, Cable #RF50682-*M†, Cut/abrasion Immune</p>	
<p>RSM ..**</p>	<p>RKM 190-*M/S101 WKM 190-*M/S101</p>	<p>RSM 190-*M/S101 WSM 190-*M/S101</p>	<p>AWM TPE Yellow 3x18, 16x22 AWG 105°C 300 VAC/VDC 4 A (pins 5, 7, & 12) 2 A (all other pins) 9.3 mm OD Cable #RF50916-*M† <i>flexlife-20</i>, High flex - over 20 million cycles</p>	
<p>WSM ..**</p>	<p>RKM 190-*M/S760 WKM 190-*M/S760</p>	<p>RSM 190-*M/S760 WSM 190-*M/S760</p>	<p>AWM PVC Black 3x18, 16x22 AWG 105°C 300 VAC/VDC 4 A (pins 5, 7, & 12) 2 A (all other pins) 10.4 mm OD Cable #RF50733-*M†<i>flexlife</i></p>	

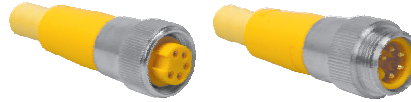
* Length in Meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.
 ** Standard coupling nut material is nickel plated brass "RKM .."; "RKV .." indicates stainless steel.
 † See Section N for *reelfast*® cable information.

TURCK 7/8" minifast® Connectivity Products



2-6 Wire Extreme Duty, Armored Cordsets

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 300 V, 9 A (2-5-pin), 8 A (6-pin)



Connector Style	Female Part Number	Male Part Number	Features	Pinout
 	RKM 28A-*M	RSM 28A-*M	MC ITC/PLTC PVC Armor Yellow, 2x18 AWG, 105°C, 13.5 mm OD, Cable #RF51039-*M†, Armor Cable for Extreme Conditions, CSA Approved	<p>1. WH 2. BK</p>
	RKM 38A-*M	RSM 38A-*M	MC ITC/PLTC PVC Armor Yellow, 3x18 AWG, 105°C, 13.5 mm OD, Cable #RF51040-*M†, Armor Cable for Extreme Conditions, CSA Approved	<p>1. GN 2. BK 3. WH</p>
	RKM 48A-*M	RSM 48A-*M	MC ITC/PLTC PVC Armor Yellow, 4x18 AWG, 105°C, 13.5 mm OD, Cable #RF51041-*M†, Armor Cable for Extreme Conditions, CSA Approved	<p>1. BK 2. WH 3. RD 4. GN</p>
	RKM 58A-*M	RSM 58A-*M	MC PVC Armor Yellow, 5x18 AWG, 90°C, 14.9 mm OD, Cable #RF51042-*M†, Armor Cable for Extreme Conditions	<p>1. WH 2. RD 3. GN 4. OG 5. BK</p>
	RKM 68A-*M	RSM 68A-*M	MC PVC Armor Yellow, 6x18 AWG, 90°C, 14.9 mm OD, Cable #RF51043-*M†, Armor Cable for Extreme Conditions	<p>1. WH 2. RD 3. GN 4. OG 5. BK 6. BU</p>

Cordsets

* Length in Meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.
 ** Standard coupling nut material is nickel plated brass "RKM .."; "RKV .." indicates stainless steel.
 † See Section N for **reelfast**® cable information.

2-5 Wire Cordsets, Smooth Body

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 600 V, 9 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKM ..D**</p>	RKM 26D-*M	RSM 26D-*M	STOW PVC Yellow 2x16 AWG, 105°C, 10.4 mm OD Cable #RF50561-*M† flexlife®	<p>1. WH 2. BK</p>
	RKM 35D-*M	RSM 35D-*M	STOW PVC Yellow, 3x16 AWG, 105°C, 10.4 mm OD, Cable #RF50537-*M† flexlife	<p>1. GN 2. RD/BK 3. RD/WH</p>
	RKM 36D-*M	RSM 36D-*M	STOW PVC Yellow, 3x16 AWG, 105°C, 10.4 mm OD, Cable #RF50536-*M†, flexlife	<p>1. GN 2. BK 3. WH</p>
	RKM 46D-*M RKM 46D-*M/S1062 WKM 46D-*M/S1062	RSM 46D-*M RSM 46D-*M/S1062 WSM 46D-*M/S1062	STOW PVC Yellow, 4x16 AWG, 105°C, 11 mm OD, Cable #RF50538-*M†, flexlife, "/S1062" designates PVC plug body with PVC contact carriers	<p>1. BK 2. WH 3. RD 4. GN</p>
	RKM 56D-*M RKM 56D-*M/S1062	RSM 56D-*M RSM 56D-*M/S1062	STOW PVC Yellow, 5x16 AWG, 105°C, 13.2 mm OD, Cable #RF50539-*M†, flexlife, "/S1062" designates PVC plug body with PVC contact carriers	<p>1. WH 2. RD 3. GN 4. OG 5. BK</p>
<p>RSM ..D**</p>				

* Length in Meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

** Standard coupling nut material is nickel plated brass "RKM .."; "RKV .." indicates stainless steel.

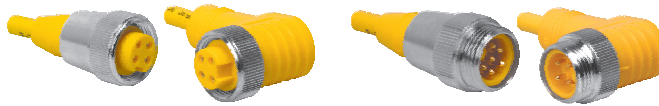
† See Section N for **reelfast**® cable information.

TURCK 7/8" minifast® Connectivity Products



3 and 5-Wire Spiral Cordsets, Standard

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 300 V, 9 A



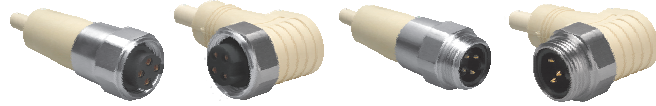
Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKM ..**</p>	<p>RKM 30-2M/S90-SP WKM 30-2M/S90-SP</p>	<p>RSM 30-2M/S90-SP WSM 30-2M/S90-SP</p>	<p>AWM TPU Yellow 3x18 AWG, 80°C, 300 V, 9 A, 7.2 mm OD, for repetitive 2-wire AC with ground or 3-wire applications</p>	<p>Female</p>
<p>WKM ..**</p>				<p>Male</p>
<p>RSM ..**</p>	<p>RKM 50-1M/S90-SP WKM 50-1M/S90-SP</p>	<p>RSM 50-1M/S90-SP WSM 50-1M/S90-SP</p>	<p>AWM TPU Yellow 5x18 AWG, 90°C, 300 V, 9 A, 7.2 mm OD, for repetitive 5-wire AC applications</p>	<p>Female</p>
<p>WSM ..**</p>				<p>Male</p>

Cordsets

Standard cable lengths are 2 (3-wire) and 1 (5-wire) meter. Consult factory for other lengths.
 ** Standard coupling nut material is nickel plated brass .. "RKM (WKM) .."; "RKV (WKV) .." indicates stainless steel.

2, 3, and 4-Wire Washdown Cordsets

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- Polypropylene Contact Holder, Mold Material and Cable Jacket
- High Chemical Solvent Resistance & Tensile Strength



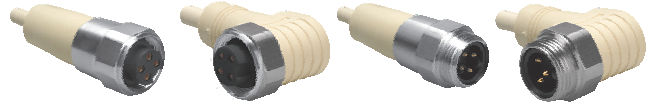
Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>WD-RKV ..**</p>	WD-RKV 20-*M WD-WKV 20-*M	WD-RSV 20-*M WD-WSV 20-*M	PP White, 2x18 AWG, 105°C, 300 V, 9 A, 5.1 mm OD, Cable #RF51441-*M	1. BN 2. BU Female
	WD-RKV 26-*M WD-WKV 26-*M	WD-RSV 26-*M WD-WSV 26-*M	PP White, 2x16 AWG, 105°C, 600 V, 10 A, 6.2 mm OD, Cable #RF51442-*M	1. WH 2. BK
<p>WD-WKV ..**</p>	WD-RKV 30-*M WD-WKV 30-*M	WD-RSV 30-*M WD-WSV 30-*M	PP White, 3x18 AWG, 105°C, 300 V, 9 A, 5.7 mm OD, Cable #RF51443-*M	1. GN/YE 2. BN 3. BU Female
	WD-RKV 36-*M WD-WKV 36-*M	WD-RSV 36-*M WD-WSV 36-*M	PP White, 3x16 AWG, 105°C, 600 V, 10 A, 7.2 mm OD, Cable #RF51444-*M	1. GN 2. BK 3. WH Male
<p>WD-RSV ..**</p>	WD-RKV 40-*M WD-WKV 40-*M	WD-RSV 40-*M WD-WSV 40-*M	PP White, 4x18 AWG, 105°C, 300 V, 9 A, 6.2 mm OD, Cable #RF51445-*M	1. BN 2. WH 3. BU 4. BK Female
	WD-RKV 46-*M WD-WKV 46-*M	WD-RSV 46-*M WD-WSV 46-*M	PP White, 4x16 AWG, 105°C, 600 V, 10 A, 7.2 mm OD, Cable #RF51446-*M	1. BK 2. WH 3. RD 4. GN Male
<p>WD-WSV ..**</p>	WD-RKV 46-*M WD-WKV 46-*M	WD-RSV 46-*M WD-WSV 46-*M	PP White, 4x16 AWG, 105°C, 600 V, 10 A, 7.2 mm OD, Cable #RF51446-*M	1. BK 2. WH 3. RD 4. GN Female
				Male

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.

** Standard coupling nut material is stainless steel.

5 and 6-Wire Washdown Cordsets

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- Polypropylene Contact Holder, Mold Material and Cable Jacket
- High Chemical Solvent Resistance & Tensile Strength



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>WD-RKV ..**</p>	<p>WD-RKV 50-*M WD-WKV 50-*M</p>	<p>WD-RSV 50-*M WD-WSV 50-*M</p>	<p>PP White, 5x18 AWG, 105°C, 300 V, 9 A, 7.2 mm OD, Cable #RF51447-*M</p>	<p>1. BK 2. BU 3. GN/YE 4. BN 5. WH</p>
<p>WD-WKV ..**</p>	<p>WD-RKV 56-*M WD-WKV 56-*M</p>	<p>WD-RSV 56-*M WD-WSV 56-*M</p>	<p>PP White, 5x16 AWG, 105°C, 600 V, 10 A, 7.2 mm OD, Cable #RF51448-*M</p>	<p>1. WH 2. RD 3. GN 4. OG 5. BK</p>
<p>WD-RSV ..**</p>	<p>WD-RKV 60-*M WD-WKV 60-*M</p>	<p>WD-RSV 60-*M WD-WSV 60-*M</p>	<p>PP White, 6x18 AWG, 105°C, 300 V, 8 A, 7.2 mm OD, Cable #RF51449-*M</p>	<p>1. GN 2. WH 3. BU 4. GY 5. YE 6. BN</p>
<p>WD-WSV ..**</p>	<p>WD-RKV 66-*M WD-WKV 66-*M</p>	<p>WD-RSV 66-*M WD-WSV 66-*M</p>	<p>PP White, 6x16 AWG, 105°C, 600 V, 8 A, 8.0 mm OD, Cable #RF51450-*M</p>	<p>1. WH 2. RD 3. GN 4. OG 5. BK 6. BU</p>

Cordsets

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths.
 ** Standard coupling nut material is stainless steel.

Receptacle Selection Guide

Mounting Style	Image	Panel Thread Types	Page										
Front Mount		<table border="0"> <tr> <td><u>1/2-14 NPSM</u></td> <td style="text-align: right;"><u>F25</u></td> </tr> <tr> <td><u>1/2-14 NPT</u></td> <td style="text-align: right;"><u>F29, F36, F38, F40</u></td> </tr> <tr> <td><u>M20</u></td> <td style="text-align: right;"><u>F32-F35, F41</u></td> </tr> <tr> <td><u>3/4-14 NPT</u></td> <td style="text-align: right;"><u>F37, F39, F40</u></td> </tr> <tr> <td><u>PG16</u></td> <td style="text-align: right;"><u>F41</u></td> </tr> </table>	<u>1/2-14 NPSM</u>	<u>F25</u>	<u>1/2-14 NPT</u>	<u>F29, F36, F38, F40</u>	<u>M20</u>	<u>F32-F35, F41</u>	<u>3/4-14 NPT</u>	<u>F37, F39, F40</u>	<u>PG16</u>	<u>F41</u>	
<u>1/2-14 NPSM</u>	<u>F25</u>												
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<u>PG16</u>	<u>F41</u>												
Rear Mount		<table border="0"> <tr> <td><u>M30</u></td> <td style="text-align: right;"><u>F42</u></td> </tr> <tr> <td><u>Bulkhead Feed-thru</u></td> <td style="text-align: right;"><u>F47</u></td> </tr> </table>	<u>M30</u>	<u>F42</u>	<u>Bulkhead Feed-thru</u>	<u>F47</u>							
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<u>Bulkhead Feed-thru</u>	<u>F47</u>												
PCB Mount		<table border="0"> <tr> <td><u>Solder Cup</u></td> <td style="text-align: right;"><u>F45</u></td> </tr> </table>	<u>Solder Cup</u>	<u>F45</u>									
<u>Solder Cup</u>	<u>F45</u>												



2 and 3-Wire Receptacles, Front Mount, 1/2-14 NPSM Threads

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout	
<p>RKF ..</p> <p>Typical panel cutout 22.5 mm</p>	RKF 20-*M	RSF 20-*M	2x18 AWG 105°C, 600 V, 9 A, standard duty	1. BN 2. BU	
	RKF 26-*M	RSF 26-*M	2x16 AWG Leads, 105°C, 600 V, 10 A, heavy duty	1. WH 2. BK	
	RKF 28-*M	RSF 28-*M	2x18 AWG, 105°C, 600 V, 9 A, heavy duty	1. WH 2. BK	
	RKF 30-*M	RSF 30-*M	3x18 AWG, 105°C, 600 V, 9 A, standard duty	1. GY/YE 2. BN 3. BU	
	RKF 31-*M	RSF 31-*M	3x18 AWG, 105°C, 600 V, 9 A, standard duty	1. BK 2. BN 3. BU	
		RSF 31-*M/S849	3x22 AWG, 105°C, 300 V, 5 A, standard duty		
	RKF 311-*M	RSF 311-*M	3x18 AWG, 105°C, 600 V, 9 A, automotive color code		
		RSF 311-*M/S849	3x22 AWG, 105°C, 300 V, 5 A, automotive color code	1. GN 2. RD/BK 3. RD/WH	
		RKF 35-*M	RSF 35-*M	3x16 AWG, 105°C, 600 V, 10 A, automotive color code	
		RKF 36-*M	RSF 36-*M	3x16 AWG, 105°C, 600 V, 10 A, heavy duty	1. GN 2. BK 3. WH
	RKF 38-*M	RSF 38-*M	3x18 AWG, 105°C, 600 V, 9 A, heavy duty	1. GN 2. BK 3. WH	

Receptacles

Standard lead length is 0.3 Meters. Consult factory for other lengths.

** Standard housing material is nickel plated brass.. "RSF .."; "RSFV .." indicates stainless steel housing, and "RSFK .." indicates nylon housing.

For locknuts to be included, add "W/LN" to the end of the part number.

To specify PVC jacketed cable, add "/S717" to the end of the part number.

4-Wire Receptacles, Front Mount, 1/2-14 NPSM Threads

- EMA 1, 3, 4, 6P
- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>Typical panel cutout 22.5 mm</p>	RKF 40-*M	RSF 40-*M	4x18 AWG 105°C, 600 V, 9 A, standard duty	<p>Female</p>
		RSF 40-*M/S658	4x18 AWG, 105°C, 300 V, 9 A, standard duty	<p>1. BN 2. WH 3. BU 4. BK</p> <p>Male</p>
	RKF 40-*M/S849	RSF 40-*M/S849	4x22 AWG, 105°C, 300 V, 5 A, standard duty	
<p>Typical panel cutout is 22.5 mm</p>	RKF 46-*M	RSF 46-*M	4x16 AWG, 105°C, 600 V, 10 A, heavy duty	<p>Female</p>
		RSF 46-*M/S849	4x22 AWG, 105°C, 300 V, 5 A, heavy duty	<p>1. BK 2. WH 3. RD 4. GN</p> <p>Male</p>
	RKF 48-*M	RSF 48-*M	4x18 AWG, 105°C, 600 V, 9 A, standard duty	<p>1. BN 2. N/C 3. BU 4. N/C</p> <p>Female</p>
				<p>Male</p>

Standard lead length is 0.3 Meters. Consult factory for other lengths.

** Standard housing material is nickel plated brass.. "RSF .."; "RSFV .." indicates stainless steel housing, and "RSFK .." indicates nylon housing.

For locknuts to be included, add "W/LN" to the end of the part number.

To specify PVC jacketed cable, add "/S717" to the end of the part number.



5-Wire Receptacles, Front Mount, 1/2-14 NPSM Threads

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKF ..</p> <p>Typical panel cutout 22.5 mm</p> <p>RSF ..</p> <p>Typical panel cutout is 22.5 mm</p>	RKF 50-*M	RSF 50-*M	5x18 AWG, 105°C, 600 V, 9 A, standard duty	<ol style="list-style-type: none"> 1. BK 2. BU 3. GN/YE 4. BN 5. WH
	RKF 50-*M/S849	RSF 50-*M/S849	5x22 AWG, 105°C, 300 V, 5 A, standard duty	<ol style="list-style-type: none"> 1. RD/WH 2. RD/BU 3. GN 4. RD/OG 5. RD/BK
	RKF 511-*M	RSF 511-*M	5x18 AWG, 105°C, 600 V, 9 A, automotive color code	
	RKF 511-*M/S849	RSF 511-*M/S849	5x22 AWG, 105°C, 300 V, 5 A, automotive color code	<ol style="list-style-type: none"> 1. RD/WH 2. RD/BU 3. GN 4. RD/OG 5. RD/BK
	RKF 55-*M	RSF 55-*M	5x16 AWG, 105°C, 600 V, 10 A, automotive color code	
	RKF 56-*M	RSF 56-*M	5x16 AWG, 105°C, 600 V, 10 A, heavy duty	<ol style="list-style-type: none"> 1. WH 2. RD 3. GN 4. OG 5. BK
		RSF 56-*M/S849	5x22 AWG, 105°C, 300 V, 5 A, heavy duty	
	RKF 58-*M	RSF 58-*M	5x18 AWG, 105°C, 300 V, 9 A, heavy duty	

Receptacles

Standard lead length is 0.3 Meters. Consult factory for other lengths.

** Standard housing material is nickel plated brass.. "RSF .."; "RSFV .." indicates stainless steel housing, and "RSFK .." indicates nylon housing.

For locknuts to be included, add "W/LN" to the end of the part number.

To specify PVC jacketed cable, add "/S717" to the end of the part number.

6-Wire Receptacles, Front Mount, 1/2-14 NPSM Threads

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKF ..</p> <p>Typical panel cutout 22.5 mm</p>	RKF 61-*M	RSF 61-*M	6x18 AWG, 105°C, 600 V, 8 A, standard threads	<p>1. GN 2. WH 3. BU 4. Gy 5. YE 6. BN</p> <p>Female</p>
	RKF 61-*M/S849	RSF 61-*M/S849	6x22 AWG, 105°C, 300 V, 5 A, standard threads	
<p>RSF ..</p> <p>Typical panel cutout is 22.5 mm</p>	RKF 66-*M	RSF 66-*M	6x16 AWG, 105°C, 600 V, 8 A, heavy duty	<p>1. WH 2. RD 3. GN 4. OG 5. BK 6. BU</p> <p>Male</p>
	RKF 66-*M/S849		6x22 AWG, 105°C, 300 V, 5 A, heavy duty	
	RKF 68-*M	RSF 68-*M	6x18 AWG, 105°C, 600 V, 8 A, heavy duty	

Standard lead length is 0.3 Meters. Consult factory for other lengths.

** Standard housing material is nickel plated brass. "RSF .."; "RSFV .." indicates stainless steel housing, and "RSFK .." indicates nylon housing.

For locknuts to be included, add "W/LN" to the end of the part number.

To specify PVC jacketed cable, add "/S717" to the end of the part number.

TURCK 7/8" minifast® Connectivity Products



2 and 3-Wire Receptacles, Front Mount, 1/2-14 NPT Threads

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKF ..NPT</p> <p>Typical panel cutout 22.5 mm</p> <p>RSF ..NPT</p> <p>Typical panel cutout is 22.5 mm</p>	RKF 20-*M/NPT	RSF 20-*M/NPT	2x18 AWG, 105°C, 9 A, standard duty	1. BN 2. BU
	RKF 26-*M/NPT	RSF 26-*M/NPT	2x16 AWG Leads, 105°C, 10 A, heavy duty	1. WH 2. BK
	RKF 28-*M/NPT	RSF 28-*M/NPT	2x18 AWG, 105°C, 600 V, 9 A, heavy duty	1. WH 2. BK
	RKF 30-*M/NPT	RSF 30-*M/NPT	3x18 AWG, 105°C, 9 A, standard duty	1. GY/YE 2. BN 3. BU
	RKF 31-*M/NPT	RSF 31-*M/NPT	3x18 AWG, 105°C, 9 A, standard duty	1. BK 2. BN 3. BU
	RKF 311-*M/NPT	RSF 311-*M/NPT	3x18 AWG, 105°C, 9 A, automotive color code	1. GN 2. RD/BK 3. RD/WH
	RKF 35-*M/NPT	RSF 35-*M/NPT	3x16 AWG, 105°C, 10 A, automotive color code	1. GN 2. BK 3. WH
	RKF 36-*M/NPT	RSF 36-*M/NPT	3x16 AWG, 105°C, 10 A, heavy duty	1. GN 2. BK 3. WH
	RKF 38-*M/NPT	RSF 38-*M/NPT	3x18 AWG, 105°C, 600 V, 9 A, heavy duty	1. GN 2. BK 3. WH

Receptacles

Standard lead length is 0.3 Meters. Consult factory for other lengths.
 ** Standard housing material is nickel plated brass. "RSF .."; "RSFV .." indicates stainless steel housing.
 For locknuts to be included, add "W/LN" to the end of the part number.
 To specify PVC jacketed cable, add "/S717" to the end of the part number.

4-Wire Receptacles, Front Mount, 1/2-14 NPT Threads

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKF ..NPT</p> <p>Typical panel cutout 22.5 mm</p>	RKF 40-*M/NPT	RSF 40-*M/NPT	4x18 AWG, 105°C, 9 A, standard duty	<p>Female</p> <p>Male</p> <p>1. BN 2. WH 3. BU 4. BK</p>
<p>RSF ..NPT</p> <p>Typical panel cutout is 22.5 mm</p>	RKF 46-*M/NPT	RSF 46-*M/NPT	4x16 AWG, 105°C, 10 A, heavy duty	<p>Female</p> <p>Male</p> <p>1. BK 2. WH 3. RD 4. GN</p>
<p>RKF ..NPT</p> <p>Typical panel cutout is 22.5 mm</p>	RKF 48-*M/NPT	RSF 48-*M/NPT	4x18 AWG, 105°C, 600 V, 9 A, heavy duty	<p>Female</p> <p>Male</p>

Standard lead length is 0.3 Meters. Consult factory for other lengths.

** Standard housing material is nickel plated brass.. "RSF .."; "RSFV .." indicates stainless steel housing.

For locknuts to be included, add "W/LN" to the end of the part number.

To specify PVC jacketed cable, add "/S717" to the end of the part number.

TURCK 7/8" minifast® Connectivity Products



5 and 6-Wire Receptacles, Front Mount, 1/2-14 NPT Threads

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKF ..NPT</p> <p>Typical panel cutout 22.5 mm</p>	RKF 50-*M/NPT	RSF 50-*M/NPT	5x18 AWG, 105°C, 9 A, standard duty	Female 1. BK 2. BU 3. GN/YE 4. BN 5. WH
	RKF 511-*M/NPT	RSF 511-*M/NPT	5x18 AWG, 105°C, 9A, automotive color code	1. RD/WH 2. RD/BU 3. GN 4. RD/OG 5. RD/BK
	RKF 55-*M/NPT	RSF 55-*M/NPT	5x16 AWG, 105°C, 10 A, automotive color code	
	RKF 56-*M/NPT	RSF 56-*M/NPT	5x16 AWG, 105°C, 10 A, heavy duty	Male 1. WH 2. RD 3. GN 4. OG 5. BK
	RKF 58-*M/NPT	RSF 58-*M/NPT	5x18 AWG, 105°C, 300 V, 9 A, heavy duty	
<p>RSF ..NPT</p> <p>Typical panel cutout is 22.5 mm</p>	RKF 61-*M/NPT	RSF 61-*M/NPT	6x18 AWG, 105°C, 9 A, standard duty	Female 1. GN 2. WH 3. BU 4. GY 5. YE 6. BN
	RKF 66-*M/NPT	RSF 66-*M/NPT	6x16 AWG, 105°C, 10 A, heavy duty	Male
	RKF 68-*M/NPT	RSF 68-*M/NPT	6x18 AWG, 105°C, 600 V, 9 A, heavy duty	

Receptacles

Standard lead length is 0.3 Meters. Consult factory for other lengths.
 ** Standard housing material is nickel plated brass.. "RSF .."; "RSFV .." indicates stainless steel housing.
 For locknuts to be included, add "W/LN" to the end of the part number.
 To specify PVC jacketed cable, add "/S717" to the end of the part number.

2, 3 and 4-Wire Receptacles, Front Mount, M20 Threads

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKF ..M20</p> <p>Typical panel cutout 20.4 mm</p>	RKF 20-*M/M20	RSF 20-*M/M20	2x18 AWG, 105°C, 9 A, standard duty	1. BN 2. BU
	RKF 26-*M/M20	RSF 26-*M/M20	2x16 AWG Leads, 105°C, 10 A, heavy duty	1. WH 2. BK
	RKF 30-*M/M20	RSF 30-*M/M20	3x18 AWG, 105°C, 9 A standard duty	1. GY/YE 2. BN 3. BU
	RKF 31-*M/M20	RSF 31-*M/M20	3x18 AWG, 105°C, 9 A standard duty	1. BK 2. BN 3. BU
	RKF 311-*M/M20	RSF 311-*M/M20	3x18 AWG, 105°C, 9 A automotive color code	1. GN 2. RD/BK 3. RD/WH
	RKF 35-*M/M20	RSF 35-*M/M20	3x16 AWG, 105°C, 10 A, automotive color code	3. RD/WH
	RKF 36-*M/M20	RSF 36-*M/M20	3x16 AWG, 105°C, 10 A, heavy duty	1. GN 2. BK 3. WH
<p>RSF ..M20</p> <p>Typical panel cutout 20.4 mm</p>	RKF 40-*M/M20	RSF 40-*M/M20	4x18 AWG, 105°C, 9 A standard duty	1. BN 2. WH 3. BU 4. BK
	RKF 46-*M/M20	RSF 46-*M/M20	4x16 AWG, 105°C, 10 A heavy duty	1. BK 2. WH 3. RD 4. GN

Standard lead length is 0.3 Meters. Consult factory for other lengths.

** Standard housing material is nickel plated brass.. "RSF .."; "RSFV .." indicates stainless steel housing.

For locknuts to be included, add "W/LN" to the end of the part number.

To specify PVC jacketed cable, add "/S717" to the end of the part number.



5 and 6-Wire Receptacles, Front Mount, M20 Threads

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 600 V, 9 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKF ..M20</p> <p>Typical panel cutout 20.4 mm</p>	RKF 50-*M/M20	RSF 50-*M/M20	5x18 AWG, 105°C, standard duty	<p>Female</p>
	RKF 511-*M/M20	RSF 511-*M/M20	5x18 AWG, 105°C, 9 A automotive color code	<p>Female</p>
	RKF 55-*M/M20	RSF 55-*M/M20	5x16 AWG, 105°C, 10 A, automotive color code	<p>Male</p>
<p>RSF ..M20</p> <p>Typical panel cutout 20.4 mm</p>	RKF 61-*M/M20	RSF 61-*M/M20	6x18 AWG, 105°C, 8 A standard duty	<p>Female</p>
	RKF 66-*M/M20	RSF 66-*M/M20	6x16 AWG, 105°C, 8 A heavy duty	<p>Male</p>

Receptacles

Standard lead length is 0.3 Meters. Consult factory for other lengths.
 ** Standard housing material is nickel plated brass.. "RSF .."; "RSFV .." indicates stainless steel housing.
 For locknuts to be included, add "W/LN" to the end of the part number.
 To specify PVC jacketed cable, add "/S717" to the end of the part number.

6, 7 and 8-Wire Receptacles, Front Mount, M20 Threads

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 600 V, 8 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKF ..M20</p> <p>Typical panel cutout 20.4 mm</p>	RKF 6B6-*M/M20	RSF 6B6-*M/M20	6x16 AWG, 105°C	<p>Female</p> <p>1. OG 2. BU 3. BK 4. WH 5. RD 6. GN</p> <p>Male</p>
<p>RSF ..M20</p> <p>Typical panel cutout 20.4 mm</p>	RKF 76-*M/M20	RSF 76-*M/M20	7x16 AWG, 105°C	<p>Female</p> <p>1. WH/BK 2. BK 3. WH 4. RD 5. OG 6. BU 7. GN</p> <p>Male</p>
<p>RSF ..M20</p> <p>Typical panel cutout 20.4 mm</p>	RKF 86-*M/M20	RSF 86-*M/M20	8x16 AWG, 105°C	<p>Female</p> <p>1. OG 2. BU 3. WH/BK 4. BK 5. WH 6. RD 7. GN 8. RD/BK</p> <p>Male</p>

Standard lead length is 0.3 Meters. Consult factory for other lengths.

** Standard housing material is nickel plated brass.. "RSF .."; "RSFV .." indicates stainless steel housing.

For locknuts to be included, add "W/LN" to the end of the part number.

To specify PVC jacketed cable, add "/S717" to the end of the part number.



9, 10 and 12-Wire Receptacles, Front Mount, M20 Threads

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 600 V, 7 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKF ..M20</p> <p>Typical panel cutout 20.4 mm</p>	RKF 96-*M/M20	RSF 96-*M/M20	9x16 AWG, 105°C	<p>Female</p> <p>Male</p> <ol style="list-style-type: none"> OG BU RD/BK GN/BK WH RD GN WH/BK BK
<p>RSF ..M20</p> <p>Typical panel cutout 20.4 mm</p>	RKF 106-*M/M20	RSF 106-*M/M20	10x16 AWG, 105°C	<p>Female</p> <p>Male</p> <ol style="list-style-type: none"> OG BU WH/BK RD/BK GN/BK OG/BK RD GN BK WH
	RKF 126-*M/M20	RSF 126-*M/M20	12x16 AWG, 105°C	<p>Female</p> <p>Male</p> <ol style="list-style-type: none"> OG BU WH/BK RD/BK GN/BK OG/BK BU/BK BK/WH GN RD/BK WH BK

Receptacles

Standard lead length is 0.3 Meters. Consult factory for other lengths.
 ** Standard housing material is nickel plated brass. "RSF .."; "RSFV .." indicates stainless steel housing.
 For locknuts to be included, add "W/LN" to the end of the part number.
 To specify PVC jacketed cable, add "/S717" to the end of the part number.

6, 7 and 8-Wire Receptacles, Front Mount

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 600 V, 8 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKF ..1/2-14NPT</p> <p>Typical panel cutout 22.5 mm</p>	RKF 6B6-*M/14.5/NPT	RSF 6B6-*M/14.5/NPT	6x16 AWG, 105°C, 1/2-14NPT threads	<p>Female</p> <p>Male</p>
<p>RKF 76-*M/14.5/NPT</p> <p>Typical panel cutout is 22.5 mm</p>	RKF 76-*M/14.5/NPT	RSF 76-*M/14.5/NPT	7x16 AWG, 105°C, 1/2-14NPT threads	<p>Female</p> <p>Male</p>
<p>RSF ..1/2-14NPT</p> <p>Typical panel cutout is 22.5 mm</p>	RKF 86-*M/14.5/NPT	RSF 86-*M/14.5/NPT	8x16 AWG, 105°C, 1/2-14NPT threads	<p>Female</p> <p>Male</p>

Standard lead length is 0.3 Meters. Consult factory for other lengths.

** Standard housing material is nickel plated brass.. "RSF .."; "RSFV .." indicates stainless steel housing.

For locknuts to be included, add "W/LN" to the end of the part number.

To specify PVC jacketed cable, add "/S717" to the end of the part number.



6, 7 and 8-Wire Receptacles, Front Mount

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 600 V, 8 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKF ..3/4-14NPT</p> <p>Typical panel cutout 28.3 mm</p>	RKF 6B6-*M/14.75/NPT	RSF 6B6-*M/14.75/NPT	6x16 AWG, 105°C, 3/4-14NPT threads	<p>Female</p> <p>Male</p>
<p>RSF ..3/4-14NPT</p> <p>Typical panel cutout is 28.3 mm</p>	RKF 76-*M/14.75/NPT	RSF 76-*M/14.75/NPT	7x16 AWG, 105°C, 3/4-14NPT threads	<p>Female</p> <p>Male</p>
<p>RSF ..3/4-14NPT</p> <p>Typical panel cutout is 28.3 mm</p>	RKF 86-*M/14.75/NPT	RSF 86-*M/14.75/NPT	8x16 AWG, 105°C, 3/4-14NPT threads	<p>Female</p> <p>Male</p>

Receptacles

Standard lead length is 0.3 Meters. Consult factory for other lengths.
 ** Standard housing material is nickel plated brass.. "RSF .."; "RSFV .." indicates stainless steel housing.
 For locknuts to be included, add "W/LN" to the end of the part number.
 To specify PVC jacketed cable, add "/S717" to the end of the part number.

9, 10 and 12-Wire Receptacles, Front Mount

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 600 V, 7 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKF ...1/2-14NPT</p> <p>Typical panel cutout 22.5 mm</p>	RKF 96-*M/14.5/NPT	RSF 96-*M/14.5/NPT	9x16 AWG, 105°C, 1/2-14 NPT threads	<p>Female</p> <p>Male</p>
<p>RSF ..1/2-14NPT</p> <p>Typical panel cutout is 22.5 mm</p>	RKF 106-*M/14.5/NPT	RSF 106-*M/14.5/NPT	10x16 AWG, 105°C, 1/2-14 NPT threads	<p>Female</p> <p>Male</p>
<p>RKF 126-*M/14.5/NPT</p> <p>Typical panel cutout is 22.5 mm</p>	RKF 126-*M/14.5/NPT	RSF 126-*M/14.5/NPT	12x16 AWG, 105°C, 1/2-14 NPT threads	<p>Female</p> <p>Male</p>

Standard lead length is 0.3 Meters. Consult factory for other lengths.

** Standard housing material is nickel plated brass.. "RSF .."; "RSFV .." indicates stainless steel housing.

For locknuts to be included, add "W/LN" to the end of the part number.

To specify PVC jacketed cable, add "/S717" to the end of the part number.

TURCK 1 1/8" minifast® Connectivity Products



9, 10 and 12-Wire Receptacles, Front Mount

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 600 V, 7 A



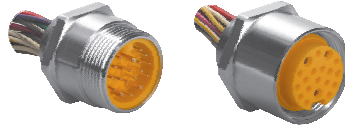
Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKF ..3/4-14NPT</p> <p>Typical panel cutout 28.3 mm</p>	RKF 96-*M/14.75/NPT	RSF 96-*M/14.75/NPT	9x16 AWG, 105°C, 3/4-14 NPT threads	<p>Female</p> <p>1. OG 2. BU 3. RD/BK 4. GN/BK 5. WH 6. RD 7. GN 8. WH/BK 9. BK</p> <p>Male</p>
<p>RSF ..3/4-14NPT</p> <p>Typical panel cutout is 28.3 mm</p>	RKF 106-*M/14.75/NPT	RSF 106-*M/14.75/NPT	10x16 AWG, 105°C, 3/4-14 NPT threads	<p>Female</p> <p>1. OG 2. BU 3. WH/BK 4. RD/BK 5. GN/BK 6. OG/BK 7. RD 8. GN 9. BK 10. WH</p> <p>Male</p>
<p>RKF 126-*</p> <p>Typical panel cutout is 28.3 mm</p>	RKF 126-*M/14.75/NPT	RSF 126-*M/14.75/NPT	12x16 AWG, 105°C, 3/4-14 NPT threads	<p>Female</p> <p>1. OG 2. BU 3. WH/BK 4. RD/BK 5. GN/BK 6. OG/BK 7. BU/BK 8. BK/WH 9. GN 10. RD 11. WH 12. BK</p> <p>Male</p>

Receptacles

Standard lead length is 0.3 Meters. Consult factory for other lengths.
 ** Standard housing material is nickel plated brass. "RSF .."; "RSFV .." indicates stainless steel housing.
 For locknuts to be included, add "W/LN" to the end of the part number.
 To specify PVC jacketed cable, add "/S717" to the end of the part number.

19-Wire Receptacles, Front Mount

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 300 V, 4 A (pins 5, 7, & 12), 2 A (all others)



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>RSF ..1/2-14NPT</p> <p>Typical panel cutout is 22.5 mm</p> <p>RKF ...1/2-14NPT</p> <p>Typical panel cutout 22.5 mm</p>	RKF 190-*M/14.5/NPT	RSF 190-*M/14.5/NPT	3x18, 16x22 AWG, 105°C, 1/2-14NPT threads	<p>Female</p>
<p>RSF ..3/4-14NPT</p> <p>Typical panel cutout is 28.3 mm</p> <p>RKF ...3/4-14NPT</p> <p>Typical panel cutout 28.3 mm</p>				

Standard lead length is 0.5 Meters. Consult factory for other lengths.

** Standard housing material is nickel plated brass.. "RSF .."; "RSFV .." indicates stainless steel housing.

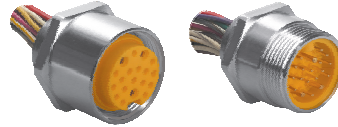
For locknuts to be included, add "W/LN" to the end of the part number.

To specify PVC jacketed cable, add "/S717" to the end of the part number.



19-Wire Receptacles, Front Mount

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 300 V, 4 A (pins 5, 7, &12), 2 A (all others)



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKF ..PG16</p> <p>Typical panel cutout 22.5 mm</p>	RKF 190-*M/PG 16	RSF 190-*M/PG 16	3x18, 16x22 AWG, 105°C, PG 16 threads	<p>Female</p> <p>1. VT 2. RD 3. GY 4. RD/BU 5. BU 6. GN 7. BN 8. WH/GN 9. WH/YE 10. WH/GY 11. BK 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. GY/BN 19. GY/PK</p>
<p>RSF ..PG16</p> <p>Typical panel cutout 22.5 mm</p>				
<p>RKF ...M20</p> <p>Typical panel cutout 20.4 mm</p>	RKF 190-*M/M20	RSF 190-*M/M20	3x18, 16x22 AWG, 105°C, M20 threads	
<p>RSF ..M20</p> <p>Typical panel cutout 20.4 mm</p>				

Receptacles

Standard lead length is 0.5 Meters. Consult factory for other lengths.
 ** Standard housing material is nickel plated brass. "RSF .."; "RSFV .." indicates stainless steel housing.
 For locknuts to be included, add "W/LN" to the end of the part number.
 To specify PVC jacketed cable, add "/S717" to the end of the part number.

2 and 3-Wire Receptacles, Back Panel Mount

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 600 V



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKFP ..</p> <p>RKFP Cutout</p> <p>Recommended maximum panel thickness is 6.4 mm.</p> <p>RSFP ..</p> <p>RSFP Cutout</p> <p>Recommended maximum panel thickness is 6.4 mm.</p>	RKFP 20-*M	RSFP 20-*M	2x18 AWG, 105°C, 9 A, M30x1.5 threads, standard duty	1. BN 2. BU
	RKFP 26-*M	RSFP 26-*M	2x16 AWG, 105°C, 10 A, M30x1.5 threads, heavy duty	1. WH 2. BK
	RKFP 30-*M	RSFP 30-*M	3x18 AWG, 105°C, 9 A, M30x1.5 threads, standard duty	1. GN/YE 2. BN 3. BU
	RKFP 31-*M	RSFP 31-*M	3x18 AWG, 105°C, 9 A, M30x1.5 threads, standard duty	1. BK 2. BN 3. BU
	RKFP 311-*M	RSFP 311-*M	3x18 AWG, 105°C, 9A, M30x1.5 threads, automotive color code	1. GN 2. RD/BK 3. RD/WH
	RKFP 35-*M	RSFP 35-*M	3x16 AWG, 105°C, 10 A, automotive color code, M30x1.5 Threads	1. GN 2. BK 3. WH
RKFP 36-*M	RSFP 36-*M	3x16 AWG, 105°C, 10 A, M30x1.5 threads, heavy duty	1. GN 2. BK 3. WH	

Standard lead length is 0.3 Meters. Consult factory for other lengths.

** Standard housing material is nickel plated brass.. "RSFP .."; "RSFPV .." indicates stainless steel housing.

To specify PVC jacketed cable, add "/S717" to the end of the part number.



4-Wire Receptacles, Back Panel Mount

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 600 V



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKFP ..</p> <p>RKFP Cutout</p> <p>Recommended maximum panel thickness is 6.4 mm.</p>	RKFP 40-*M	RSFP 40-*M	4x18 AWG, 105°C, 9 A, M30x1.5 Threads, Standard Duty	<p>Female</p> <p>Male</p>
<p>RSFP ..</p> <p>RSFP Cutout</p> <p>Recommended maximum panel thickness is 6.4 mm.</p>	RKFP 46-*M	RSFP 46-*M	4x16 AWG, 105°C, 10 A, M30x1.5 Threads, Heavy Duty	<p>Female</p> <p>Male</p>

Receptacles

Standard lead length is 0.3 Meters. Consult factory for other lengths.
 ** Standard housing material is nickel plated brass. "RSFP .."; "RSFPV .." indicates stainless steel housing.
 To specify PVC jacketed cable, add "/S717" to the end of the part number.

5 and 6-Wire Receptacles, Back Panel Mount

- NEMA 1, 3, 4, 6P
- IEC IP68 Protection
- 600 V



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKFP ..</p> <p>RKFP Cutout</p> <p>Recommended maximum panel thickness is 6.4 mm.</p>	RKFP 50-*M	RSFP 50-*M	5x18 AWG, 105°C, 9 A, M30x1.5 Threads, Standard Duty	<ol style="list-style-type: none"> 1. BK 2. BU 3. GN/YE 4. BN 5. WH
	RKFP 511-*M	RSFP 511-*M	5x18 AWG, 105°C, 9 A, Automotive Color Code, M30x1.5 Threads	<ol style="list-style-type: none"> 1. RD/WH 2. RD/BU 3. GN 4. RD/OG 5. RD/BK
	RKFP 55-*M	RSFP 55-*M	5x16 AWG, 105°C, 10 A, Automotive Color Code, M30x1.5 Threads	
<p>RSFP ..</p> <p>RSFP Cutout</p> <p>Recommended maximum panel thickness is 6.4 mm.</p>	RKFP 56-*M	RSFP 56-*M	5x16 AWG, 105°C, 10 A, M30x1.5 Threads, Heavy Duty	<ol style="list-style-type: none"> 1. WH 2. RD 3. GN 4. OG 5. BK
	RKFP 61-*M	RSFP 61-*M	6x18 AWG, 105°C, 8 A, M30x1.5 Threads, Standard Duty	<ol style="list-style-type: none"> 1. GN 2. WH 3. BU 4. GY 5. YE 6. BN
	RKFP 66-*M	RSFP 66-*M	6x16 AWG, 105°C, 8 A, M30x1.5 Threads, Heavy Duty	<ol style="list-style-type: none"> 1. WH 2. RD 3. GN 4. OG 5. BK 6. BU
	RKFP 68-*M	RSFP 68-*M	6x18 AWG, 105°C, 8 A, M30x1.5 Threads, Heavy Duty	

Standard lead length is 0.3 Meters. Consult factory for other lengths.

** Standard housing material is nickel plated brass.. "RSFP .."; "RSFPV .." indicates stainless steel housing.

To specify PVC jacketed cable, add "/S717" to the end of the part number.

PCB Pins and Solder Cup Receptacles

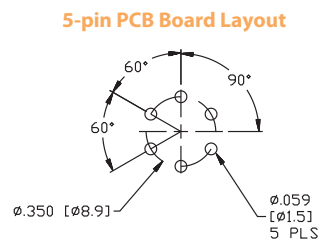
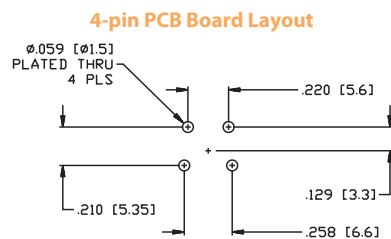
- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 600 V, 9 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKF ..PCB</p>	RKF 40-PCB	RSF 40-PCB	4-pin PCB Pins, 105°C, PG 11 Threads	<p>Female</p> <p>Male</p>
<p>RSF ..PCB</p>	RKF 50-PCB	RSF 50-PCB	5-pin PCB Pins, 105°C, PG 11 Threads	<p>Female</p> <p>Male</p>

See page F74 for dimensional drawings.

** Standard housing material is nickel plated brass. "RSFL .."; "RSFVL .." indicates stainless steel housing. No stainless option for "PCB". For locknuts to be included, add "W/LN" to the end of the part number.



PCB Pins and Solder Cup Receptacles

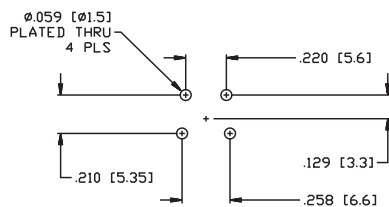
- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 600 V, 9 A



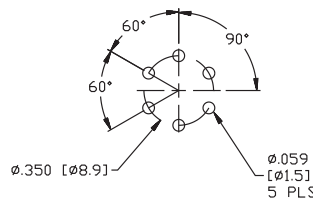
Housing Style	Female Part Number	Male Part Number	Features	Pinout
	RKFL 26	RSFL 26	2-pin solder cups, 105°C, 1/2 - 14NPSM Threads	Male/Female
	RKFL 36	RSFL 36	3-pin solder cups, 105°C, 1/2 - 14NPSM Threads	Female Male
	RKFL 46	RSFL 46	4-pin solder cups 105°C, 1/2 - 14NPSM Threads	Female Male
	RKFL 56	RSFL 56	5-pin solder cups 105°C, 1/2 - 14NPSM Threads	Female Male
	RKFL 66	RSFL 66	6-pin solder cups 105°C, 1/2 - 14NPSM Threads	Female Male

** Standard housing material is nickel plated brass.. "RSFL .."; "RSFVL .." indicates stainless steel housing. No stainless option for "PCB".
 For locknuts to be included, add "W/LN" to the end of the part number.

4-pin PCB Board Layout



5-pin PCB Board Layout



Bulkhead Feed-Thru Receptacles

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection
- 600 V, 9 A



Housing Style	Part Number	Features	Pinout	
<p>RSF RKF..**</p> <p>Dimensions: 1.941 [49.3], 1.287 [32.7], ϕ.937 [23.8], 7/8-16UN, 7/8-16UN, ϕ1.196 [30.4], 1.062 [27.0], .125 [3.2], .062 [1.6], ϕ.875 [ϕ22.2]</p> <p>Note: Recommended maximum panel thickness is 22.2 mm.</p>	RSF RKF 20/22	Nickel plated brass 2-pin, 105°C, thrust washer and panel keyway prevent rotation	Male/Female 	Male/Female
	RSF RKF 30/22	Nickel plated brass 3-pin, 105°C, thrust washer and panel keyway prevent rotation	Male 	Female
	RSF RKF 40/22	Nickel plated brass 4-pin, 105°C, thrust washer and panel keyway prevent rotation	Male 	Female
	RSF RKF 50/22	Nickel plated brass 5-pin, 105°C, thrust washer and panel keyway prevent rotation	Male 	Female
	RSF RKF 60/22	Nickel plated brass 6-pin, 105°C, thrust washer and panel keyway prevent rotation	Male 	Female

Receptacles

** Standard housing material is nickel plated brass .. "RSF RKF.."; "RSFV RKFV.." indicates stainless steel housing.

3, 4 and 5-Pin Field Wireable Connectors

- NEMA 1, 3, 4, 6P
- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>B 41 ..</p>	<p>B 4131-0/9 B 4231-0/9</p>	<p>BS 4131-0/9 BS 4231-0/9</p>	<p>Glass filled nylon, PG 9 cable gland, accepts 6-8 mm cable diameter screw terminals, accepts up to 16 AWG conductors, 85°C, 250 V, 12 A, Mates with all 3-pin cordsets and receptacles</p>	<p>Female</p>
<p>B 42 ..</p>	<p>B 4131-0/13.5</p>	<p>BS 4131-0/13.5</p>	<p>Glass filled nylon, PG 13.5 cable gland, accepts 10-12 mm cable diameter screw terminals, accepts up to 16 AWG conductors, 85°C, 250 V, 12 A, Mates with all 3-pin cordsets and receptacles</p>	<p>Male</p>
<p>BS 41 ..</p>	<p>B 4141-0/9 B 4241-0/9</p>	<p>BS 4141-0/9 BS 4241-0/9</p>	<p>Glass filled nylon, PG 9 cable gland, accepts 6-8 mm cable diameter screw terminals, accepts up to 16 AWG conductors 85°C, 250 V, 9 A, Mates with all 4-pin cordsets and receptacles</p>	<p>Female</p>
	<p>B 4141-0/13.5</p>	<p>BS 4141-0/13.5</p>	<p>Glass filled nylon, PG 13.5 cable gland, accepts 10-12 mm cable diameter screw terminals, accepts up to 16 AWG conductors, 85°C, 250 V, 9 A, Mates with all 4-pin cordsets and receptacles</p>	<p>Male</p>
<p>BS 42 ..</p>	<p>B 4151-0/9 B 4251-0/9</p>	<p>BS 4151-0/9 BS 4251-0/9</p>	<p>Glass filled nylon, PG 9 cable gland, accepts 6-8 mm cable diameter, screw terminals, accepts up to 16 AWG conductors, 85°C, 250 V, 9 A, Mates with all 5-pin cordsets and receptacles</p>	<p>Female</p>
	<p>B 4151-0/13.5</p>	<p>BS 4151-0/13.5</p>	<p>Glass filled nylon, PG 13.5 cable gland, accepts 10-12 mm cable diameter screw terminals, accepts up to 16 AWG conductors, 85°C, 250 V, 9 A</p>	<p>Male</p>
	<p>B 4151-0/16</p>	<p>BS 4151-0/16</p>	<p>Glass filled nylon, PG 16 cable gland, accepts 12-14 mm cable diameter screw terminals, accepts up to 16 AWG conductors, 85°C, 250 V, 9 A</p>	

6, 7 and 8-Pin Field Wireable Connectors

- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>B 71..</p>	B 716B61-0/21	BS 716B61-0/21	Glass filled nylon, PG 21 cable gland, accepts 9 to 16 mm cable diameter, Screw terminal, accepts 14 to 18 AWG conductors, 105°C, 600 VAC/VDC, 8 Amps, Mates with all B-size 6-pin cordsets and receptacles	<p>Female</p> <p>Male</p>
<p>BS 71..</p>	B 7171-0/21	BS 7171-0/21	Glass filled nylon, PG 21 cable gland, accepts 9 to 16 mm cable diameter, Screw terminal, accepts 14 to 18 AWG conductors, 105°C, 600 VAC/VDC, 8 Amps, Mates with all 7-pin cordsets and receptacles	<p>Female</p> <p>Male</p>
<p>BS 71..</p>	B 7181-0/21	BS 7181-0/21	Glass filled nylon, PG 21 cable gland, accepts 9 to 16 mm cable diameter, Screw terminal, accepts 14 to 18 AWG conductors, 105°C, 600 VAC/VDC, 8 Amps, Mates with all 8-pin cordsets and receptacles	<p>Female</p> <p>Male</p>

Receptacles

9, 10 and 12-Pin Field Wireable Connectors

- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>B 71..</p>	B 7191-0/21	BS 7191-0/21	Glass filled nylon, PG 21 cable gland, accepts 13 to 18 mm cable diameter, Screw terminal, accepts 14 to 18 AWG conductors, 105°C, 600 VAC/VDC, 7 Amps, Mates with all 9-pin cordsets and receptacles	<p>Female</p> <p>Male</p>
<p>BS 71..</p>	B 71101-0/21	BS 71101-0/21	Glass filled nylon, PG 21 cable gland, accepts 13 to 18 mm cable diameter, Screw terminal, accepts 14 to 18 AWG conductors, 105°C, 600 VAC/VDC, 7 Amps, Mates with all 10-pin cordsets and receptacles	<p>Female</p> <p>Male</p>
<p>BS 71..</p>	B 71121-0/21	BS 71121-0/21	Glass filled nylon, PG 21 cable gland, accepts 13 to 18 mm cable diameter, Screw terminal, accepts 14 to 18 AWG conductors, 105°C, 600 VAC/VDC, 7 Amps, Mates with all 12-pin cordsets and receptacles	<p>Female</p> <p>Male</p>

Conduit Adapters, 1 Port

- Attaches to Standard Crouse-Hinds 3/4" Form 8, Mark 9 Conduit Bodies for Transition to 3-5 Wire *minifast* Connectors
- Gasket and 8-32 x 1/2 Mounting Screws
- IP67 Protection (only when all receptacles are mated or covered with plugs)
- Terminal Strips Accept Up to 12 AWG Wires



Housing Style	Part Number	Features	Pinout	Wiring Diagram
	CA-1/RKF 30	Nylon housing 80°C, 250 V, 9A, attaches to standard conduit body for transition to 3-wire <i>minifast</i> connector	<p>Female</p> <p>Male</p>	
	CA-1/RKF 40	Nylon housing 80°C, 250 V, 9A, attaches to standard conduit body for transition to 4-wire <i>minifast</i> connector	<p>Female</p> <p>Male</p>	
	CA-1/RKF 50	Nylon housing 80°C, 250 V, 9A, attaches to standard conduit body for transition to 5-wire <i>minifast</i> connector	<p>Female</p> <p>Male</p>	

Field Wireables

Standard receptacle housing material is nickel plated brass. "RKF"; "RKFV" indicates stainless steel.
Example: CA-2/RKFV 50.

Conduit Adapters, 2 Port

- Attaches to Standard Crouse-Hinds 3/4" Form 8, Mark 9 Conduit Bodies for Transition to 3-5 Wire *minifast* Connectors
- Gasket and 8-32 x 1/2 Mounting Screws
- IP67 Protection (only when all receptacles are mated or covered with plugs)
- Terminal Strips Accept Up to 12 AWG Wires



Housing Style	Part Number	Features	Pinout	Wiring Diagram
	CA-2/RKF 30	Nylon housing, 80°C, 250 V, 9A, attaches to standard conduit body for transition to 3-wire <i>minifast</i> connector	Female 	
	CA-2/RKF 30/S651	Nylon housing, 80°C, 250 V, 9A, attaches to standard conduit body for transition to 3-wire <i>minifast</i> connector, parallel wired	Male 	
	CA-2/RKF 40	Nylon housing, 80°C, 250 V, 9A, attaches to standard conduit body for transition to 4-wire <i>minifast</i> connector	Female 	
	CA-2/RKF 40/S651	Nylon housing, 80°C, 250 V, 9A, attaches to standard conduit body for transition to 4-wire <i>minifast</i> connector, parallel wired	Male 	
	CA-2/RKF 50	Nylon housing, 80°C, 250 V, 9A, attaches to standard conduit body for transition to 5-wire <i>minifast</i> connector	Female 	
	CA-2/RKF 50/S651	Nylon housing, 80°C, 250 V, 9A, attaches to standard conduit body for transition to 5-wire <i>minifast</i> connector, parallel wired	Male 	

Standard receptacle housing material is nickel plated brass.. "RKF"; "RKFV" indicates stainless steel.
 Example: CA-2/RKFV 50.



Tees

- Available with Parallel or Junction-style Wiring
- Simplifies Wiring Installations
- Tough Molded TPU Body



Connector Style	Part Number	Features	Pinout
	RSM-2RKM 20	1 male and 2 female connectors, 250 V, 9.0 A, 80°C, parallel wired, 2 conductor	
	RSM-2RKM 30	1 male and 2 female connectors, 250 V, 9.0 A, 80°C, parallel wired, 3 conductor	
	RSM-2RKM 40	1 male and 2 female connectors, 250 V, 9.0 A, 80°C, parallel wired, 4 conductor	
	RSM-2RKM 50	1 male and 2 female connectors, 250 V, 9.0 A, 80°C, parallel wired, 5 conductor	
	RSM 50-2RKM 30	1 male 5-pin connector, 2 female 3-pin connectors, 250 V, 9.0 A, 80°C, combine 2 cables into 1	

Tees

Pinouts

Female				Male			
2-Pin	3-Pin	4-Pin	5-Pin	2-Pin	3-Pin	4-Pin	5-Pin

Tees

- Drop Keyway Facing Male or Female Connector
- Available with Parallel Wiring
- Simplifies Wiring Installations
- Tough Molded TPU Body



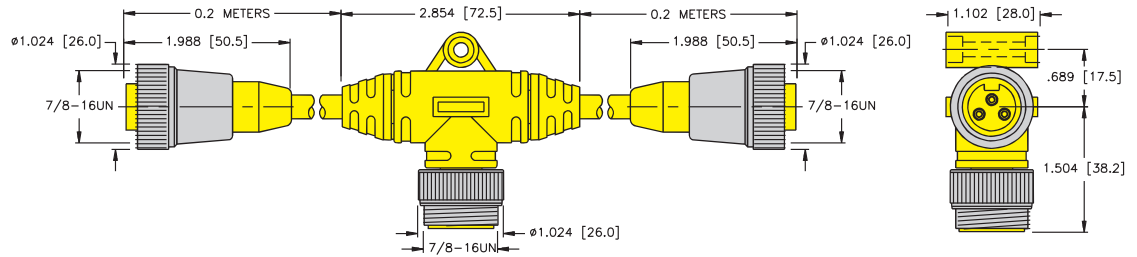
Connector Style	Part Number	Features	Pinout
<p>RSM-2RKM ..-KM</p> <p>keyway facing Male</p>	RSM-2RKM 30-KM	1 male and 2 female connectors, 250 V, 9.0 A, 80°C Parallel wired, 3 conductor, keyway facing male connector	
	RSM-2RKM 40 KM	1 male and 2 female connectors, 250 V, 9.0 A, 80°C Parallel wired, 4 conductor, keyway facing male connector	
	RSM-2RKM 30-KF	1 male and 2 female connectors, 250 V, 9.0 A, 80°C Parallel wired, 3 conductor, keyway facing female connector	
<p>RSM-2RKM ..-KF</p> <p>keyway facing Female</p>	RSM-2RKM 40-KF	1 male and 2 female connectors, 250 V, 9.0 A, 80°C Parallel wired, 4 conductor, keyway facing female connector	

Pinouts

Female		Male	
3-Pin	4-Pin	3-Pin	4-Pin

Junction Tees, Cable on Female Branches

- Junction-style Wiring
- Simplifies Wiring Installations
- Tough Molded TPU Body



Connector Style	Part Number	Features	Wiring Diagram
See above	RKM 30-* -RSM 50-RKM 30-*	Two 3-pin female cordsets, PVC Yellow, 3x18 AWG, 7.3 mm O.D., one 5-pin male connector, 250 V, 9.0 A, 80°C, combine 2 cables into 1	
	RKM 40-* -RSM 40-RKM 40-*	Two 4-pin female cordsets, PVC Yellow, 4x18 AWG, 7.3 mm OD, one 4-pin male connector, 250 V, 9.0 A, 80°C, parallel wired	
	RKM 301-* -RSM 301-RKM 301-*	Two 3-pin female cordsets, PVC Yellow, 3x18 AWG, 7.3 mm OD, one 3-pin male connector, 250 V, 9.0 A, 80°C, combine 2 cables into 1, series wired	

* Length in meters.

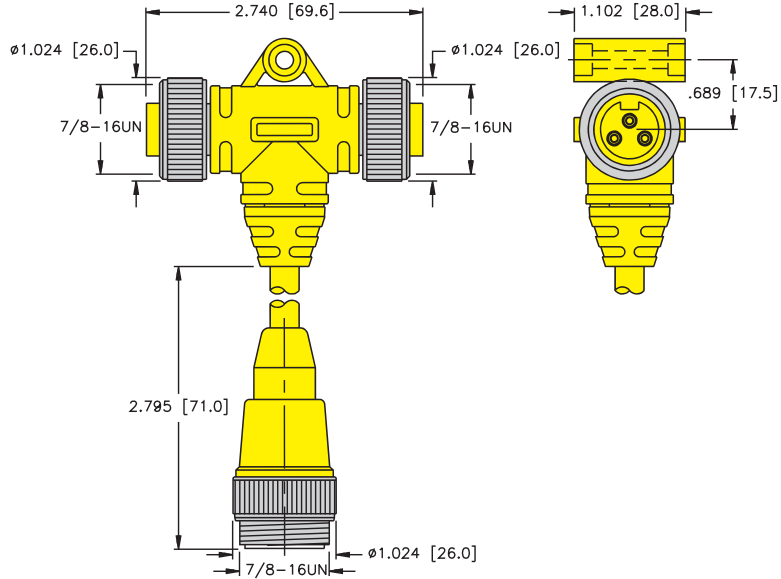
Standard coupling nut material is nickel plated brass .. "RSM or RKM"; "RS or RK" indicates nylon and "RSV or RKV" indicates stainless steel.

Pinouts

Female			Male		
3-Pin	4-Pin	5-Pin	3-Pin	4-Pin	5-Pin

Junction Tees, Cable on Male Trunk

- Junction-style Wiring
- Simplifies Wiring Installations
- Tough Molded TPU Body



Connector Style	Part Number	Features	Wiring Diagram
See above	RKM 30-RSM 50-*-RKM 30	Two 3-pin female connectors, one 5-pin male cordset, PVC Yellow, 5x18 AWG, 7.3 mm OD, 250 V, 9.0 A, 80°C, combine 2 cables into 1	
	RKM 50-RSM 50-*-RKM 50	Two 5-pin female connectors, one 5-pin male cordset, PVC Yellow, 5x18 AWG, 7.3 mm OD, 250 V, 9.0 A, 80°C, parallel wired	
	RKM 301-RSM 301-*-RKM 301	Two 3-pin female connectors, one 3-pin male cordset, PVC Yellow, 3x18 AWG, 7.3 mm OD, 250 V, 9.0 A, 80°C, combine 2 cables into 1, series wired	

* Length in meters.

Standard coupling nut material is nickel plated brass .. "RSM or RKM"; "RS or RK" indicates nylon and "RSV or RKV" indicates stainless steel.

Pinouts

Female		Male	
3-Pin	5-Pin	3-Pin	5-Pin

h-Style Tees

- Parallel Wiring
- Simplifies Wiring Installations
- Tough Molded TPU Black Body
- NEMA 1, 3, 4, 6P
- IEC IP67 Protection



Connector Style	Part Number	Features	Wiring Diagram
	SH-RSM/2RKM 20	1 male and 2 female connectors, 600 V, 9 A, 105°C, parallel wired, 2 conductor	
	SH-RSM/2RKM 30	1 male and 2 female connectors, 600 V, 9 A, 105°C, parallel wired, 3 conductor	
	SH-RSM/2RKM 40	1 male and 2 female connectors, 600 V, 9 A, 105°C, parallel wired, 4 conductor	
	SH-RSM/2RKM 50	1 male and 2 female connectors, 600 V, 9 A, 105°C, parallel wired, 5 conductor	
	SH-RSM/2RKM 60	1 male and 2 female connectors, 600 V, 9 A, 105°C, parallel wired, 6 conductor	

Tees

Pinouts

Female					Male				
2-Pin	3-Pin	4-Pin	5-Pin	6-Pin	2-Pin	3-Pin	4-Pin	5-Pin	6-Pin

Quick Disconnect Adapters

- Adapt to Standard *minifast* Cordsets
- Available w/NPSM or PG 9 Threads



Housing Style	Part Number	Features	Pinout
<p>B11... or B21..</p>	B2131-*M	Nylon, 300 V, 4.0 A, 3x22 AWG, 70°C, mates with 3-pin cordsets, 1/2 - 14NPSM Threads	1. Gn 2. Bn 3. Bu
	B1131-*M	Nickel plated brass, 300 V, 4.0 A, 3x22 AWG, 70°C, mates with 3-pin cordsets, 1/2 - 14NPSM Threads	1. Bk 2. Bn 3. Bu
	B2131-*M/S523	Nylon, 300 V, 4.0 A, 3x22 AWG, 70° C, mates with 3-pin cordsets, 1/2 - 14NPSM Threads	1. Bn 2. Wh 3. Bu 4. Bk
	B2141-*M	Nylon, 300 V, 4.0 A, 4x22 AWG, 70°C, mates with 4-pin cordsets, 1/2 - 14NPSM Threads	1. Gn 2. Bn 3. Bu
	B1141-*M	Nickel plated brass, 300 V, 4.0 A, 4x22 AWG, 70°C, mates with 4-pin cordsets, 1/2 - 14NPSM Threads	1. Bn 2. Wh 3. Bu 4. Bk
<p>B11..PG9-*M</p>	B1131-PG9-*M	Nickel plated brass, 300 V, 4.0 A, 3x22 AWG, 70°C, mates with 3-pin cordsets, PG 9 Threads	1. Gn 2. Bn 3. Bu
	B1141-PG9-*M	Nickel plated brass, 300 V, 4.0 A, 4x22 AWG, 70°C, mates with 4-pin cordsets, PG 9 Threads	1. Bn 2. Wh 3. Bu 4. Bk
	B1151-PG9-*M	Nickel plated brass, 300 V, 4.0 A, 5x22 AWG, 70°C, mates with 5-pin cordsets, PG 9 Threads	1. Bn 2. Wh 3. Bu 4. Bk 5. Gn

Quick Disconnect Adapters

- Convert *minifast* to *eurofast*® or *microfast*®
- Rugged Metal Connector



Housing Style	Part Number	Features	Wiring Diagram
	RSM 40-FK 4.4	Nickel plated brass, 250 V, 4 A, 80°C, female <i>eurofast</i> ®, male <i>minifast</i> ®, 4-pin	
	RSM 50-FK 4.5	Nickel plated brass, 250 V, 4 A, 80°C, female <i>eurofast</i> , male <i>minifast</i> , 5-pin	
	RKM 30/SB3	Nickel plated brass, 250 V, 4 A, 80°C, female <i>minifast</i> , male <i>microfast</i> ®, 3-pin	

Accessories

Pinouts

Female			Male		
3-Pin <i>minifast</i>	4-Pin <i>eurofast</i>	5-Pin <i>eurofast</i>	3-Pin <i>microfast</i>	4-Pin <i>minifast</i>	5-Pin <i>minifast</i>

Closure Caps, A-Size

- 7/8-16UN Threads
- Nickel Plated Brass and Stainless Steel
- Male and Female Caps



Closure Cap Style	Part Number	Features
	RKM-CC	Nickel plated brass, 7/8-16UN threads, 6" stainless steel lanyard, closure cap, mates to male cordsets, receptacles
	RKMV-CC	Stainless steel, 7/8-16UN threads, 6" stainless steel lanyard, closure cap, mates to male cordsets, receptacles
	RSM-CC	Nickel plated brass, 7/8-16UN threads, 6" stainless steel lanyard, closure cap, mates to female cordsets, receptacles
	RSMV-CC	Stainless steel, 7/8-16UN threads, 6" stainless steel lanyard, closure cap, mates to female cordsets, receptacles
	RKF-CC	Nickel plated brass, 7/8-16UN threads, 6" stainless steel lanyard, Closure cap, mates to male cordsets, receptacles
	RKFV-CC	Stainless steel, 7/8-16UN threads, 6" stainless steel lanyard, closure cap, mates to male cordsets, receptacles
	RSF-CC	Nickel plated brass, 7/8-16UN threads, 6" stainless steel lanyard, closure cap, mates to female cordsets, receptacles
	RSFV-CC	Stainless steel, 7/8-16UN threads, 6" stainless steel lanyard, closure cap, mates to female cordsets, receptacles
	RKF-MC	Nickel plated brass, 7/8-16UN threads, BUNA-N gasket, closure cap, mates to male cordsets, receptacles
	RKFV-MC	Stainless steel, 7/8-16UN threads, BUNA-N gasket, closure cap, mates to male cordsets, receptacles
	RSF-MC	Nickel plated brass, 7/8-16UN threads, BUNA-N gasket and O-ring, closure cap, mates to female cordsets, receptacles
	RSFV-MC	Stainless steel, 7/8-16UN threads, BUNA-N gasket and O-ring, closure cap, mates to female cordsets, receptacles

Note: Add "/S1599" to the end of Part Number for closure caps assembled on cordsets.



Closure Caps, B-Size

- 1-16UN Threads
- Nickel Plated Brass and Stainless Steel
- Male and Female Caps



Closure Cap Style	Part Number	Features
	RKMB-CC	Nickel plated brass, 1-16UN threads, 6" stainless steel lanyard, closure cap, mates to male cordsets
	RKMBV-CC	Stainless steel, 1-16UN threads, 6" stainless steel lanyard, closure cap, mates to male cordsets
	RSMB-CC	Nickel plated brass, 1-16UN threads, 6" stainless steel lanyard, closure cap, mates to female cordsets
	RSMBV-CC	Stainless steel, 1-16UN threads, 6" stainless steel lanyard, closure cap, mates to female cordsets
	RKFB-CC	Nickel plated brass, 1-16UN threads, 6" stainless steel lanyard, Closure cap, mates to male receptacles
	RKFBV-CC	Stainless steel, 1-16UN threads, 6" stainless steel lanyard, Closure cap, mates to male receptacles
	RSFB-CC	Nickel plated brass, 1-16UN threads, 6" stainless steel lanyard, closure cap, mates to female receptacles
	RSFBV-CC	Stainless steel, 1-16UN threads, 6" stainless steel lanyard, closure cap, mates to female receptacles
	RKFB-MC	Nickel plated brass, 1-16UN threads, BUNA-N gasket and O-ring, closure cap, mates to male receptacles
	RKFBV-MC	Stainless steel, 1-16UN threads, BUNA-N gasket and O-ring, closure cap, mates to male receptacles
	RSFB-MC	Nickel plated brass, 1-16UN threads, BUNA-N gasket and O-ring, closure cap, mates to female receptacles
	RSFBV-MC	Stainless steel, 1-16UN threads, BUNA-N gasket and O-ring, closure cap, mates to female receptacles

Note: Add "/S1599" to the end of Part Number for closure caps assembled on cordsets.



Closure Caps, C-Size

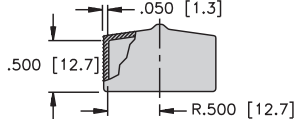
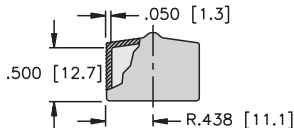
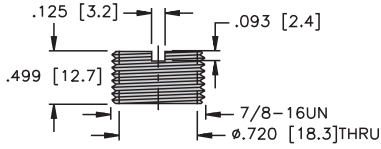
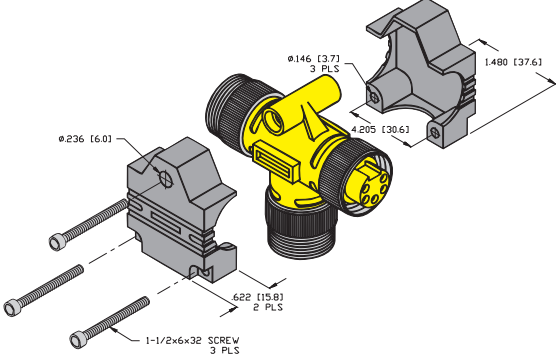
- 1 1/8-16UN Threads
- Nickel Plated Brass and Stainless Steel
- Male and Female Caps



Closure Cap Style	Part Number	Features
	RKMC-CC	Nickel plated brass, 1 1/8-16UN threads, 6" stainless steel lanyard, closure cap, mates to male cordsets
	RKMCV-CC	Stainless steel, 1 1/8-16UN threads, 6" stainless steel lanyard, closure cap, mates to male cordsets
	RSMC-CC	Nickel plated brass, 1 1/8-16UN threads, 6" stainless steel lanyard, closure cap, mates to female cordsets
	RSMCV-CC	Stainless steel, 1 1/8-16UN threads, 6" stainless steel lanyard, closure cap, mates to female cordsets
	RKFC-CC	Nickel plated brass, 1 1/8-16UN threads, 6" stainless steel lanyard, closure cap, mates to male receptacles
	RKFCV-CC	Stainless steel, 1 1/8-16UN threads, 6" stainless steel lanyard, closure cap, mates to male receptacles
	RSFC-CC	Nickel plated brass, 1 1/8-16UN threads, 6" stainless steel lanyard, closure cap, mates to female receptacles
	RSFCV-CC	Stainless steel, 1 1/8-16UN threads, 6" stainless steel lanyard, closure cap, mates to female receptacles
	RKFC-MC	Nickel plated brass, 1 1/8-16UN threads, BUNA-N gasket and O-ring, closure cap, mates to male receptacles
	RKFCV-MC	Stainless steel, 1 1/8-16UN threads, BUNA-N gasket and O-ring, closure cap, mates to male receptacles
	RSFC-MC	Nickel plated brass, 1 1/8-16UN threads, BUNA-N gasket and O-ring, closure cap, mates to female receptacles
	RSFCV-MC	Stainless steel, 1 1/8-16UN threads, BUNA-N gasket and O-ring, closure cap, mates to female receptacles

Note: Add "/S1599" to the end of Part Number for closure caps assembled on cordsets.



Housing Style	Part Number	Features
	DUST CAP RKM (50/PACKAGE)	Nylon, closure cap, mates to junction boxes and female cordsets
	DUST CAP RSM (50/PACKAGE)	Nylon, closure cap, mates to junction boxes and male cordsets
	FF 78 AL	Anodized Aluminum, female adapter to be used with 2 female coupling nuts
	MB-MINITEE 1	Nylon, mounting bracket for minifast tees

Notes:

Part Number Keys	G2
Cordsets	G6
Receptacles	G12
Tees	G30
Field Wireables	G35
Closure Caps	G38

Features

- M16 threaded connectors
- 5 thru 8, 12, 14 and 19-pin
- Up to 8 Amp, 300 Volt rated
- Multiple tee configurations
- IEC IP67 protection
- Signal consolidation

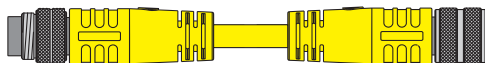


Cordset Part Number Key

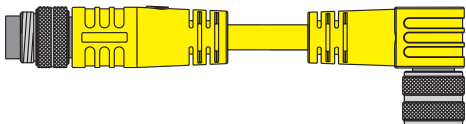
Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.

B	S	M	12	-	999	-	*	/S..
M16 versafast Cordset								
Gender						Varieties		
K = female connector S = male connector						(blank) = PVC jacket /S90 = TPU jacket /S101 = flexlife-20 , high flex cable		
Configuration						Length in Meters		
(blank) = assembled connector M = straight molded WM = right angle molded								
Housing Material								
(blank) = nickel plated brass K = nylon V = stainless steel								
Insertion Point of Extension Cable 2nd Prefix*								
* Male connector listed 1st, female connector 2nd Example: BSM BKM 12-001-1								
Number of Pins						Number of Wires / AWG / Color Codes		
5 = 5 12 = 12 6 = 6 14 = 14 7 = 7 19 = 19 8 = 8						5-Pin 084 = 5x18 AWG BN, BU, WH, BU, BK, GY 6-Pin 085 = 6x18 AWG BN, BU, WH, BU, BK, GY, PK 7-Pin 086 = 7x18 AWG WH, BN, GN, YE, GY, PK, BU 8-Pin 087 = 8x18 AWG WH, BN, GN, YE, GY, PK, BU, RD 12-Pin 001 = 12x22 AWG BN, BU, WH, GN, YE, GY, PK, RD, BK, OG, TN, VT / TPU jacket 967 = 12x22 AWG (same color code as 001) / PVC jacket 999 = 12x22 AWG (same color code as 001) / TPE jacket 14-Pin 000 = 14x22 AWG BN, RD/BU, BK, PK, GN, BU, OG, GY/BN, VT, WH, RD, GY, YE, TN / TPE jacket 002 = 14x22 AWG (same color code as 000) / TPU jacket 755 = 12x24 AWG OG, BK, GN, GY, BN, TN, VT, RD, WH, YE, PK, BU / PVC jacket 836 = 10x24 AWG GY, GN, BK, BN, PK, YE, WH, RD, VT, BU / PVC jacket 917 = 12x24 AWG RD/BU, GY, GN, BK, GY/PK, BN, PK, YE, WH, RD, VT, BU / PVC jacket 954 = 10x24 AWG (same color code as 836) / TPE jacket 998 = 14x22 AWG (same color code as 000) / PVC jacket 19-Pin 995 = 19x22 AWG BU, GY/PK, RD/BU, WH/GN, BK, BN/GN, PK, WH/YE, GN, YE/BN, BU, OG, GY/BN, VT, WH, RD, GY, YE, TN / PVC jacket 996 = 19x22 AWG (same color code as 995) / TPU jacket 997 = 19x22 AWG (same color code as 995) / TPE jacket		

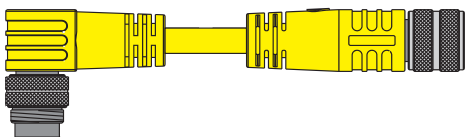
Extension Examples:



B S M **B K M** **12** - **999** - ***** /**S..**



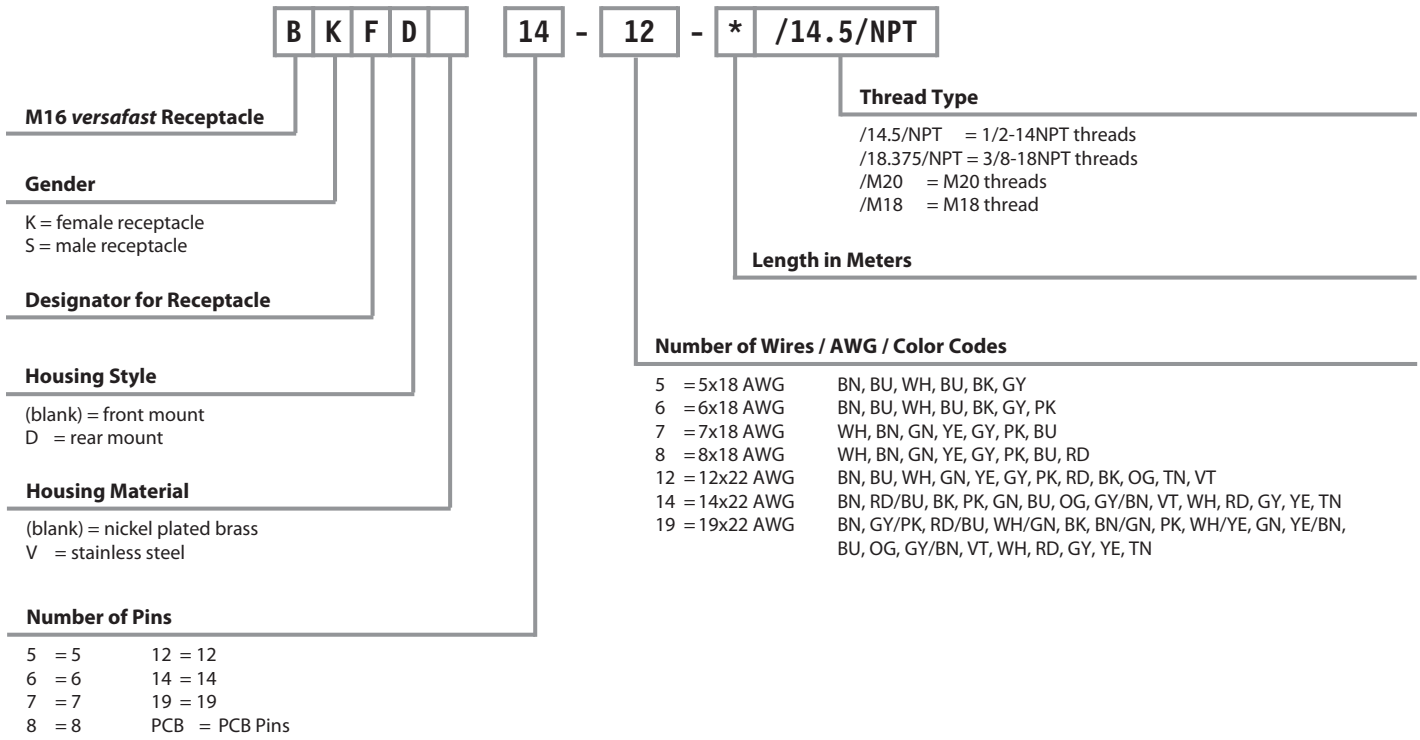
B S M **B K W M** **12** - **999** - ***** /**S..**



B S W M **B K M** **12** - **999** - ***** /**S..**

Receptacle Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



versafast

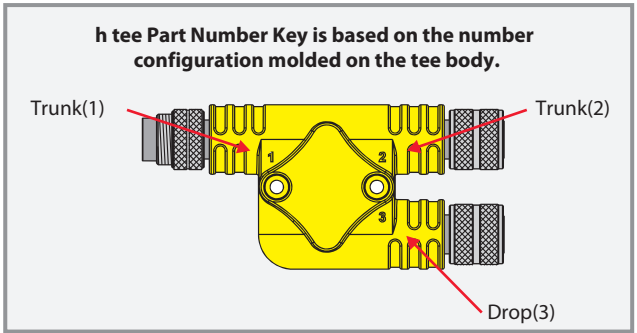
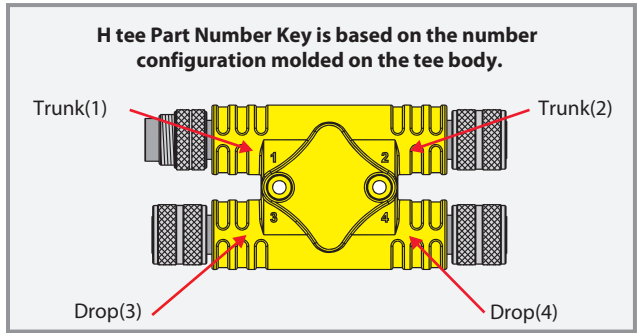
H/h Style Tee Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.

<p>H/h Style BH = big H SH = small h</p> <p>M16 versafast</p> <p>Trunk(1) Identifier K = female connector S = male connector</p> <p>Configuration M = straight</p> <p>Coupling Nut Material (blank) = nickel plated brass K = nylon V = stainless steel</p> <p>Trunk(2) and Drop(3&4) Identifiers 2BKM = female trunk(2) and female drop(3) (h) BSM/BKM = male trunk(2) and female drop(3) (h) 3BKM = female trunk(2) and female drops(3&4) (H) BSM/2BKM = male trunk(2) and female drops(3&4) (H)</p>	<p>BH - B S M / 2BKM</p>	<p>5 - 084 - * - /S..</p> <p>Varieties /S = consult factory, special /CS= consult factory, special</p> <p>Length in Meters (blank) = connector only * = drop cable */*/ = trunk(1) cable / trunk(2) cable / drop(3) cable */*/*/ = trunk(1) cable / trunk(2) cable / drop(3) cable / drop(4) cable</p> <p>AWG / Color Code (blank) = connector only 084 = 5x18 AWG, BN, WH, BU, BK, GY 085 = 6x18 AWG, BN, WH, BU, BK, GY, PK 086 = 7x18 AWG, WH, BN, GN, YE, GY, PK, BU 087 = 8x18 AWG, WH, BN, GN, YE, GY, PK, BU, RD</p> <p>Number of Pins 5 = 5 6 = 6 7 = 7 8 = 8</p>
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versafast

Note: Only one male connector per tee.



Tee Examples:

BH - **B S M** / **3 B K M** **5** - **084** - *****

SH - **B S M** / **B S M** / **B K M** **8**

5 - 8 Pin Cordsets

- IEC IP67 Protection



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>BKM ..</p>	<p>BKM 5-084-* BKWM 5-084-*</p>	<p>BSM 5-084-* BSWM 5-084-*</p>	<p>PVC Yellow, 5x18 AWG, 105°C, 300 VAC/VDC, 8 A, 7.0 mm OD, Cable #RF51084-*M†, 5-wire DC application, flexlife*</p>	<p>Female</p> <p>Male</p>
<p>BKWM ..</p>	<p>BKM 6-085-* BKWM 6-085-*</p>	<p>BSM 6-085-* BSWM 6-085-*</p>	<p>PVC Yellow, 6x18 AWG, 105°C, 300 VAC/VDC, 7 A, 7.5 mm OD, Cable #RF51085-*M†, 6-wire DC application, flexlife</p>	<p>Female</p> <p>Male</p>
<p>BSM ..</p>	<p>BKM 7-086-* BKWM 7-086-*</p>	<p>BSM 7-086-* BSWM 7-086-*</p>	<p>PVC Yellow, 7x18 AWG, 105°C, 125 VAC/VDC, 7 A, 7.5 mm OD, Cable #RF51086-*M†, 7-wire DC application, flexlife</p>	<p>Female</p> <p>Male</p>
<p>BSWM ..</p>	<p>BKM 8-087-* BKWM 8-087-*</p>	<p>BSM 8-087-* BSWM 8-087-*</p>	<p>PVC Yellow, 8x18 AWG, 105°C, 125 VAC/VDC, 7 A, 8.5 mm OD, Cable #RF51087-*M†, 8-wire DC application, flexlife</p>	<p>Female</p> <p>Male</p>

* Length in meters. Standard cable lengths are 5 and 10 meters. Consult factory for other lengths.
 Standard housing and coupling nut material is anodized aluminum.. "BKM.."; "BKMV.." indicates stainless steel and "BKMK.." indicates nylon.
 † See Section N for **reelfast**® cable information.



12-Pin Cordsets

- For *euofast*® Junction Boxes and multi-conductor applications
- IEC IP67 Protection



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>BKM ..</p>	BKM 12-001-* BKWM 12-001-*	BSM 12-001-* BSWM 12-001-*	TPU Black, 12x22 AWG, 90°C, 125 VAC/VDC, 4 A, 7.6 mm OD, Cable #RF51001- [†] M [†] , 12-wire DC applications, <i>flexlife</i> ®	<p>Female</p> <p>Male</p>
<p>BKWM ..</p>	BKM 12-967-* BKWM 12-967-*	BSM 12-967-* BSWM 12-967-*	PVC Black, 12x22 AWG, 105°C, 125 VAC/VDC, 4 A, 7.6 mm OD, Cable #RF50967- [†] M [†] , 12-wire DC applications, <i>flexlife</i>	
<p>BSM ..</p>				
<p>BSWM ..</p>	BKM 12-999-*/S101 BKWM 12-999-*/S101	BSM 12-999-*/S101 BSWM 12-999-*/S101	TPE Black, 12x22 AWG, 105°C, 125 VAC/VDC, 4 A, 7.6 mm OD, Cable #RF50999- [†] M [†] , 12-wire DC applications, <i>flexlife</i> -20, High Flex - Over 20 million cycles	

Cordsets

* Length in meters. Standard cable lengths are 5 and 10 meters. Consult factory for other lengths.
 Standard coupling nut material is nickel plated brass.. "BKM.."; "BKMK.." indicates nylon and "BKMV.." indicates stainless steel.
[†] See Section N for *reelfast*® cable information.

14-Pin Cordsets

- For *picofast*® Junction Boxes and multi-conductor applications
- IEC IP67 Protection



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>BKM ..</p>	<p>BKM 14-002-* BKWM 14-002-*</p>	<p>BSM 14-002-* BSWM 14-002-*</p>	<p>TPU Black, 14x22 AWG, 90°C, 30 VAC/VDC, 3 A, 7.6 mm OD, Cable #RF51002-*M†, 14-wire DC applications <i>flexlife</i>®</p>	<p>Female</p> <p>Male</p>
<p>BKWM ..</p>	<p>BKM 14-000-*/S101 BKWM 14-000-*/S101</p>	<p>BSM 14-000-*/S101 BSWM 14-000-*/S101</p>	<p>TPE Black, 14x22 AWG, 105°C, 30 VAC/VDC, 3 A, 7.6 mm OD, Cable #RF51000-*M†, 14-wire DC applications, <i>flexlife</i>-20, high flex - over 20 million cycles</p>	
<p>BSM ..</p>	<p>BKM 14-998-* BKWM 14-998-*</p>	<p>BSM 14-998-* BSWM 14-998-*</p>	<p>PVC Black, 14x22 AWG, 105°C, 30 VAC/VDC, 3 A, 7.6 mm OD, Cable #RF50998-*M†, 14-wire DC applications, <i>flexlife</i></p>	
<p>BSWM ..</p>	<p>BKM 14-755-* BKWM 14-755-*</p>	<p>BSM 14-755-* BSWM 14-755-*</p>	<p>PVC Black, 12x24 AWG, 105°C, 30 VAC/VDC, 3 A, 7.0 mm OD, Cable #RF50755-*M†, 12-wire DC applications, <i>flexlife</i></p>	

* Length in meters. Standard cable lengths are 5 and 10 meters. Consult factory for other lengths.
Standard coupling nut material is nickel plated brass.. "BKM.."; "BKMK.." indicates nylon and "BKMV.." indicates stainless steel.

† See Section N for *reelfast*® cable information.



14-Pin Cordsets

- For eurofast®/picofast® Junction Boxes and multi-conductor applications
- IEC IP67 Protection



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>BKM ..</p>	<p>BKM 14-836-* BKWM 14-836-*</p>	<p>BSM 14-836-* BSWM 14-836-*</p>	<p>PVC Black, 10x24 AWG, 105°C, 30 VAC/VDC, 3 A, 6.6 mm OD, Cable #RF50836-*M†, 10-wire DC applications, junction box, VB 803M(Z)-BS14, <i>flexlife</i>®</p>	<p>Female</p> <p>Male</p>
<p>BKWM ..</p>	<p>BKM 14-954-*/S101 BKWM 14-954-*/S101</p>	<p>BSM 14-954-*/S101 BSWM 14-954-*/S101</p>	<p>TPE Black, 10x24 AWG, 105°C, 30 VAC/VDC, 3 A, 7.0 mm OD, Cable #RF50954-*M†, 10-wire DC applications, junction box, VB 803M(Z)-BS14, <i>flexlife</i>-20, high flex - over 20 million cycles</p>	
<p>BSM ..</p>				
<p>BSWM ..</p>	<p>BKM 14-917-* BKWM 14-917-*</p>	<p>BSM 14-917-* BSWM 14-917-*</p>	<p>PVC Yellow, 12x24 AWG, 105°C, 30 VAC/VDC, 3 A, 7.0 mm OD, Cable #RF50917-*M†, 12-wire DC applications, junction boxes 4MBM12-5-BS14 & VB 404M(Z)-BS14, <i>flexlife</i></p>	

Cordsets

* Length in meters. Standard cable lengths are 5 and 10 meters. Consult factory for other lengths. Standard coupling nut material is nickel plated brass.. "BKM.."; "BKMK.." indicates nylon and "BKMV.." indicates stainless steel.
 † See Section N for **reelfast**® cable information.

19-Pin Cordsets

- For *picofast*® Junction Boxes and multi-conductor applications
- IEC IP67 Protection



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>BKM ..</p>	<p>BKM 19-873-* BKWM 19-873-*</p>	<p>BSM 19-873-* BSWM 19-873-*</p>	<p>PVC Black, 19x26 AWG, 105°C, 30 VAC/VDC, 3 A, 7.1 mm OD, Cable #RF50873-*M†, 19-wire DC applications, <i>flexlife</i>®</p>	<p>Female</p>
<p>BKWM ..</p>				
<p>BSM ..</p>	<p>BKM 19-995-* BKWM 19-995-*</p>	<p>BSM 19-995-* BSWM 19-995-*</p>	<p>PVC Black, 19x22 AWG, 105°C, 30 VAC/VDC, 3 A, 8.5 mm OD, Cable #RF50995-*M†, 19-wire DC applications & junction box VB 804M(Z)-BS19, <i>flexlife</i></p>	
<p>BKM 19-996-*/S90 BKWM 19-996-*/S90</p>				
<p>BSWM ..</p>	<p>BKM 19-997-*/S101 BKWM 19-997-*/S101</p>	<p>BSM 19-997-*/S101 BSWM 19-997-*/S101</p>	<p>TPE Black, 19x22 AWG, 105°C, 30 VAC/VDC, 3 A, 8.5 mm OD, Cable #RF50997-*M†, 19-wire DC applications & junction box VB 804M(Z)-BS19, <i>Flexlife-20</i>, High Flex - Over 20 million cycles</p>	<p>Male</p>

* Length in meters. Standard cable lengths are 5 and 10 meters. Consult factory for other lengths.
 Standard coupling nut material is nickel plated brass.. "BKM.."; "BKMK.." indicates nylon and "BKMV.." indicates stainless steel.
 † See Section N for *reelfast*® cable information.

5 - 8-Pin Washdown Cordsets

- IEC IP67 Protection
- Polypropylene contact holder, mold material and cable jacket



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>WD-BKMV ..</p> <p>(Cable diameter up to and including 7.5 mm)</p>	<p>WD-BKMV 5-1573-* WD-BKWMV 5-1573-*</p>	<p>WD-BSMV 5-1573-* WD-BSWMV 5-1573-*</p>	<p>PP White, 5x18 AWG, 105°C, 300 V, 8 A, 6.5 mm OD, Cable #RF51573-*M, high chemical solvent resistance, high tensile strength</p>	<p>Female</p> <p>Male</p>
<p>WD-BKWMV ..</p> <p>(Cable diameter up to and including 7.5 mm)</p>	<p>WD-BKMV 6-1575-* WD-BKWMV 6-1575-*</p>	<p>WD-BSMV 6-1575-* WD-BSWMV 6-1575-*</p>	<p>PP White, 6x18 AWG, 105°C, 300 V, 7 A, 7.0 mm OD, Cable #RF51575-*M, high chemical solvent resistance, high tensile strength</p>	<p>Female</p> <p>Male</p>
<p>WD-BSMV ..</p> <p>(Cable diameter up to and including 7.5 mm)</p>				<p>Male</p>
<p>WD-BSWMV ..</p> <p>(Cable diameter over 7.5 mm)</p>	<p>WD-BKMV 8-1574-* WD-BKWMV 8-1574-*</p>	<p>WD-BSMV 8-1574-* WD-BSWMV 8-1574-*</p>	<p>PP White, 8x18 AWG, 105°C, 125 V, 7 A, 7.6 mm OD, Cable #RF51574-*M, high chemical solvent resistance, high tensile strength</p>	<p>Female</p> <p>Male</p>

Cordsets

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths. Standard coupling nut material is stainless steel.

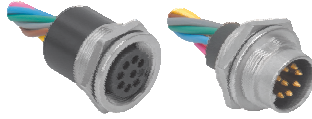
M16 Receptacle Selection Guide

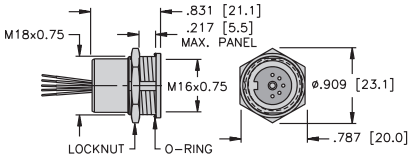
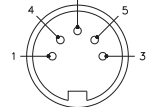
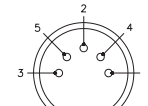
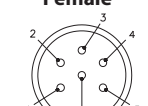
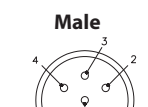
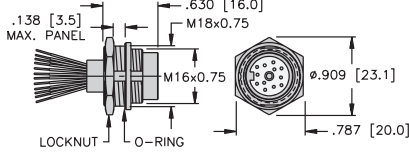
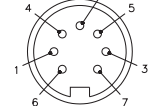
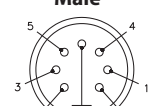
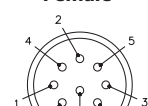
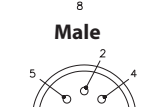
Mounting Style	Image	Panel Thread Types	Page								
Front Mount		<table border="0"> <tr> <td><u>M18</u></td> <td><u>G15</u></td> </tr> <tr> <td><u>M20</u></td> <td><u>G17</u></td> </tr> <tr> <td><u>1/2-14 NPT</u></td> <td><u>G19</u></td> </tr> <tr> <td><u>3/8-18 NPT</u></td> <td><u>G21</u></td> </tr> </table>	<u>M18</u>	<u>G15</u>	<u>M20</u>	<u>G17</u>	<u>1/2-14 NPT</u>	<u>G19</u>	<u>3/8-18 NPT</u>	<u>G21</u>	
<u>M18</u>	<u>G15</u>										
<u>M20</u>	<u>G17</u>										
<u>1/2-14 NPT</u>	<u>G19</u>										
<u>3/8-18 NPT</u>	<u>G21</u>										
Rear Mount		<table border="0"> <tr> <td><u>M18</u></td> <td><u>G25</u></td> </tr> </table>	<u>M18</u>	<u>G25</u>							
<u>M18</u>	<u>G25</u>										
PCB Mount		<table border="0"> <tr> <td><u>PCB</u></td> <td><u>G27</u></td> </tr> </table>	<u>PCB</u>	<u>G27</u>							
<u>PCB</u>	<u>G27</u>										



5 - 8 Pin Receptacles, Front Mount

- IEC IP67 Protection



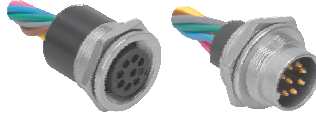
Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>BKF ..(5-8 pin)</p>  <p>Typical panel cutout is 18 x 17 mm.</p>	BKF 5-5-*	BSF 5-5-*	5x20 AWG, 105°C, 300 VAC/VDC, 8A, 5-Wire DC Application	<p>Female</p>  <p>Male</p> 
<p>BKF 6-6-*</p>	BKF 6-6-*	BSF 6-6-*	6x20 AWG, 105°C, 300 VAC/VDC, 7A, 6-Wire DC Application	<p>Female</p>  <p>Male</p> 
<p>BSF .. (5-8 pin)</p>  <p>Typical panel cutout is 18 x 17 mm.</p>	BKF 7-7-*	BSF 7-7-*	7x20 AWG, 105°C, 125 VAC/VDC, 7A, 7-Wire DC Application	<p>Female</p>  <p>Male</p> 
<p>BKF 8-8-*</p>	BKF 8-8-*	BSF 8-8-*	8x20 AWG, 105°C, 125 VAC/VDC, 7A, 8-Wire DC Application	<p>Female</p>  <p>Male</p> 

Receptacles

* Length in meters. Standard lead length is 0.5 Meter. Consult factory for other lengths.
Standard housing material is nickel plated brass.
To specify PVC jacketed cable, add "/S717" to the end of the part number.

12, 14 and 19-Pin Receptacles, Front Mount

- For use with Junction Box Home Run Cables
- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>BKF ..(12, 14, 19 pin)</p> <p>Typical panel cutout is 18 x 17 mm.</p>	BKF 12-12-*	BSF 12-12-*	12x24 AWG, 105°C, 125 VAC/VDC, 4 A, mates with 12-pin connectors, 12 conductors	<p>Female</p> <p>Male</p>
	BKF 14-10-*	BSF 14-10-*	10x24 AWG, 105°C, 30 VAC/VDC, 3 A, mates with 14-pin connectors, 10 conductors	<p>Female</p>
	BKF 14-12-*	BSF 14-12-*	12x24 AWG, 105°C, 30 VAC/VDC, 3 A, mates with 14-pin connectors, 12 conductors	<p>Female</p> <p>Male</p>
	BKF 14-14-*	BSF 14-14-*	14x24 AWG, 105°C, 30 VAC/VDC, 3 A, mates with 14-pin connectors, 14 conductors	<p>Female</p>
<p>BSF .. (12, 14, 19 pin)</p> <p>Typical panel cutout is 18 x 17 mm.</p>	BKF 19-19-*	BSF 19-19-*	19x24 AWG, 105°C, 30 VAC/VDC, 3 A, mates with 19-pin connectors, 19 conductors	<p>Female</p> <p>Male</p>

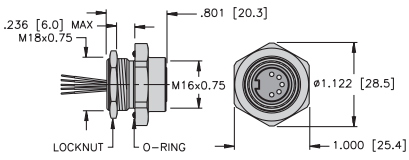
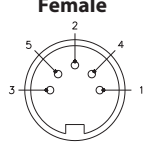
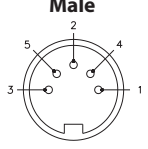
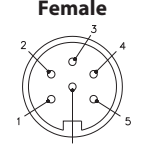
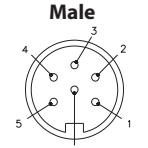
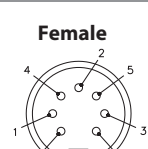
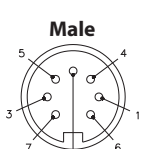
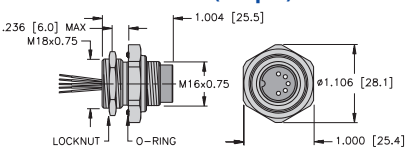
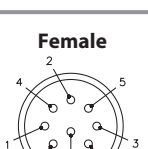
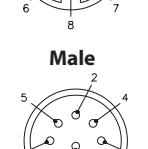
* Length in meters. Standard lead length is 0.5 Meter. Consult factory for other lengths.
 Standard housing material is nickel plated brass.
 To specify PVC jacketed cable, add "/S717" to the end of the part number.



5 - 8 Pin Receptacles, Front Mount, M18 Threads

- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>BKF .. M18 (5-8 pin)</p>  <p>Typical panel cutout is 18.6 mm.</p>	BKF 5-5-*/M18	BSF 5-5-*/M18	5x18 AWG, 105°C, 300 VAC/VDC, 8 A, 5-wire DC application	<p>Female</p>  <p>Male</p> 
	BKF 6-6-*/M18	BSF 6-6-*/M18	6x18 AWG, 105°C, 300 VAC/VDC, 7 A, 6-wire DC application	<p>Female</p>  <p>Male</p> 
	BKF 7-7-*/M18	BSF 7-7-*/M18	7x18 AWG, 105°C, 125 VAC/VDC, 7 A, 7-wire DC application	<p>Female</p>  <p>Male</p> 
<p>BSF .. M18 (5-8 pin)</p>  <p>Typical panel cutout is 18.6 mm.</p>	BKF 8-8-*/M18	BSF 8-8-*/M18	8x18 AWG, 105°C, 125 VAC/VDC, 7 A, 8-wire DC application	<p>Female</p>  <p>Male</p> 

Receptacles

* Length in meters. Standard lead length is 0.5 meter. Consult factory for other lengths. Standard housing material is nickel plated brass "BSF.." and "BSFV.." indicates stainless steel. To specify PVC jacketed cable, add "/S717" to the end of the part number.

12, 14 and 19-Pin Receptacles, Front Mount, M18 Threads

- For use with Junction Box HomeRun Cables
- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout		
<p>BKF .. M18 (12, 14, 19 pin)</p> <p>Typical panel cutout is 18.6 mm.</p>	BKF 12-12-*/M18	BSF 12-12-*/M18	12x22 AWG, 105°C, 125 VAC/VDC, 4 A, mates with 12-pin connectors, 12 conductors	A. BN B. BU C. WH D. GN E. YE F. GY G. PK H. RD J. BK K. OG L. TN M. VT	<p>Female</p> <p>Male</p>	
	BKF 14-10-*/M18	BSF 14-10-*/M18	10x22 AWG, 105°C, 30 VAC/VDC, 3 A, mates with 14-pin connectors, 10 conductors	C. GY E. GN G. BK M. BN N. PK	O. YE P. WH R. RD S. VT U. BU	<p>Female</p>
<p>BSF .. M18 (12, 14, 19 pin)</p> <p>Typical panel cutout is 18.6 mm.</p>	BKF 14-12-*/M18	BSF 14-12-*/M18	12x22 AWG, 105°C, 30 VAC/VDC, 3 A, mates with 14-pin connectors, 12 conductors	C. OG E. BK G. GN J. GY M. BN N. TN	O. VT P. RD R. WH S. YE T. PK U. BU	<p>Male</p>
	BKF 14-14-*/M18	BSF 14-14-*/M18	14x22 AWG, 105°C, 30 VAC/VDC, 3 A, mates with 14-pin connectors, 14 conductors	A. BN C. RD/BU E. BK G. PK J. GN L. BU M. OG	N. GY/BN O. VT P. WH R. RD S. GY T. YE U. TN	<p>Female</p>
<p>BKF 19-19-*/M18</p> <p>Typical panel cutout is 18.6 mm.</p>	BKF 19-19-*/M18	BSF 19-19-*/M18	19x22 AWG, 105°C, 30 VAC/VDC, 3 A, mates with 19-pin connectors, 19 conductors	A. BU B. GY/PK C. RD/BU D. WH/GN E. BK F. BN/GN G. PK H. WH/YE I. GN K. YE/BN	L. BN M. OG N. GY/BN O. VT P. WH R. RD S. GY T. YE U. TN	<p>Female</p> <p>Male</p>

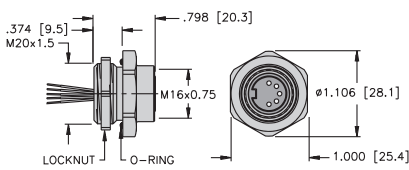
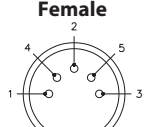
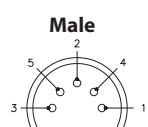
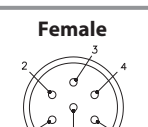
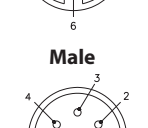
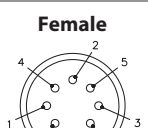
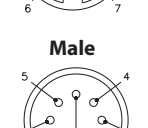
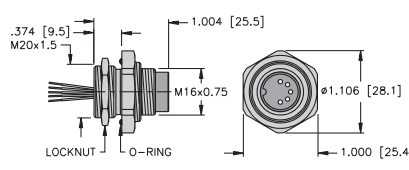
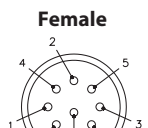
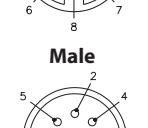
* Length in meters. Standard lead length is 0.5 meter. Consult factory for other lengths. Standard housing material is nickel plated brass "BSF.." and "BSFV.." indicates stainless steel. To specify PVC jacketed cable, add "/S717" to the end of the part number.



5 - 8 Pin Receptacles, Front Mount, M20 Threads

- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>BKF ..M20 (5-8 pin)</p>  <p>Typical panel cutout is 18.6 mm.</p>	BKF 5-5-*/M20	BSF 5-5-*/M20	5x18 AWG, 105°C, 300 VAC/VDC, 8 A, 5-Wire DC applications	<p>Female</p>  <p>Male</p> 
	BKF 6-6-*/M20	BSF 6-6-*/M20	6x18 AWG, 105°C, 300 VAC/VDC, 7 A, 6-Wire DC applications	<p>Female</p>  <p>Male</p> 
	BKF 7-7-*/M20	BSF 7-7-*/M20	7x18 AWG, 105°C, 125 VAC/VDC, 7 A, 7-Wire DC applications	<p>Female</p>  <p>Male</p> 
<p>BSF ..M20 (5-8 pin)</p>  <p>Typical panel cutout is 20.4 mm.</p>	BKF 8-8-*/M20	BSF 8-8-*/M20	8x18 AWG, 105°C, 125 VAC/VDC, 7A, 8-Wire DC applications	<p>Female</p>  <p>Male</p> 

Receptacles

* Length in meters. Standard lead length is 0.5 meter. Consult factory for other lengths. Standard housing material is nickel plated brass "BSF.."and "BSFV.." indicates stainless steel. To specify PVC jacketed cable, add "/S717" to the end of the part number.

12, 14 and 19-Pin Receptacles, Front Mount, M20 Threads

- For use with Junction Box HomeRun Cables
- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>BKF ..M20 (12, 14, 19 pin)</p> <p>Typical panel cutout is 18.6 mm.</p>	BKF 12-12-*/M20	BSF 12-12-*/M20	12x22 AWG, 105°C, 125 VAC/VDC, 4 A, mates with 12-pin connectors, 12 conductors	<p>Female</p> <p>Male</p>
<p>BSF ..M20 (12, 14, 19 pin)</p> <p>Typical panel cutout is 20.4 mm.</p>	BKF 14-10-*/M20	BSF 14-10-*/M20	10x22 AWG, 105°C, 30 VAC/VDC, 3 A, mates with 14-pin connectors, 10 conductors	<p>Female</p>
	BKF 14-12-*/M20	BSF 14-12-*/M20	12x22 AWG, 105°C, 30 VAC/VDC, 3 A, mates with 14-pin connectors, 12 conductors	<p>Male</p>
	BKF 14-14-*/M20	BSF 14-14-*/M20	14x22 AWG, 105°C, 30 VAC/VDC, 3 A, mates with 14-pin connectors, 14 conductors	<p>Female</p>
	BKF 19-19-*/M20	BSF 19-19-*/M20	19x22 AWG, 105°C, 30 VAC/VDC, 3 A, mates with 19-pin connectors, 19 conductors	<p>Female</p> <p>Male</p>

*Length in meters. Standard lead length is 0.5 meter. Consult factory for other lengths. Standard housing material is nickel plated brass "BSF.." and "BSFV.." indicates stainless steel. To specify PVC jacketed cable, add "/S717" to the end of the part number.



5 - 8 Pin Receptacles, Front Mount, 1/2-14 NPT Threads

- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>BKF ..1/2-14 NPT (5-8 pin)</p> <p>Typical panel cutout is 17.5 mm.</p>	BKF 5-5-*/14.5/NPT	BSF 5-5-*/14.5/NPT	5x18 AWG, 105°C, 300 VAC/VDC, 8 A, 5-Wire DC applications	<p>Female</p> <p>Male</p>
	BKF 6-6-*/14.5/NPT	BSF 6-6-*/14.5/NPT	6x18 AWG, 105°C, 300 VAC/VDC, 7 A, 6-Wire DC applications	<p>Female</p> <p>Male</p>
	BKF 7-7-*/14.5/NPT	BSF 7-7-*/14.5/NPT	7x18 AWG, 105°C, 125 VAC/VDC, 7 A, 7-Wire DC applications	<p>Female</p> <p>Male</p>
<p>BSF ..1/2-14 NPT (5-8 pin)</p> <p>Typical panel cutout is 22.5 mm.</p>	BKF 8-8-*/14.5/NPT	BSF 8-8-*/14.5/NPT	8x18 AWG, 105°C, 125 VAC/VDC, 7A, 8-Wire DC applications	<p>Female</p> <p>Male</p>

Receptacles

* Length in meters. Standard lead length is 0.5 meter. Consult factory for other lengths. Standard housing material is nickel plated brass "BKF.." and "BSFV.." indicates stainless steel. To specify PVC jacketed cable, add "/S717" to the end of the part number.

12, 14 and 19-Pin Receptacles, Front Mount, 1/2-14 NPT Threads

- For use with Junction Box HomeRun Cables
- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>BKF ..1/2-14 NPT (12, 14, 19 pin)</p> <p>Typical panel cutout is 22.5 mm.</p>	BKF 12-12-*/14.5/NPT	BSF 12-12-*/14.5/NPT	12x22 AWG, 105°C, 125 VAC/VDC, 4 A, mates with 12-pin connectors, 12 conductors	<p>Female</p> <p>Male</p>
	BKF 14-10-*/14.5/NPT	BSF 14-10-*/14.5/NPT	10x22 AWG, 105°C, 30 VAC/VDC, 3 A, mates with 14-pin connectors, 10 conductors	<p>Female</p>
	BKF 14-12-*/14.5/NPT	BSF 14-12-*/14.5/NPT	12x22 AWG, 105°C, 30 VAC/VDC, 3 A, mates with 14-pin connectors, 12 conductors	<p>Female</p> <p>Male</p>
	BKF 14-14-*/14.5/NPT	BSF 14-14-*/14.5/NPT	14x22 AWG, 105°C, 30 VAC/VDC, 3 A, mates with 14-pin connectors, 14 conductors	<p>Female</p>
<p>BSF ..1/2-14 NPT (12, 14, 19 pin)</p> <p>Typical panel cutout is 22.5 mm.</p>	BKF 19-19-*/14.5/NPT	BSF 19-19-*/14.5/NPT	19x22 AWG, 105°C, 30 VAC/VDC, 3 A, mates with 19-pin connectors, 19 conductors	<p>Female</p> <p>Male</p>

* Length in meters. Standard lead length is 0.5 meter. Consult factory for other lengths. Standard housing material is nickel plated brass "BSF.." and "BSFV.." indicates stainless steel. To specify PVC jacketed cable, add "/S717" to the end of the part number.



5 - 8 Pin Receptacles, Front Mount, 3/8-18 NPT Threads

- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>BKF ..3/8-18 NPT (5-8 pin)</p> <p>Typical panel cutout is 17.5 mm.</p>	BKF 5-5-*/18.375/NPT	BSF 5-5-*/18.375/NPT	5x18 AWG, 105°C, 300 VAC/VDC, 8 A, 5-Wire DC applications	<p>Female</p> <p>1. BN 2. WH 3. BU 4. BK 5. GY</p> <p>Male</p>
<p>BKF 6-6-*/18.375/NPT</p> <p>Typical panel cutout is 17.5 mm.</p>	BKF 6-6-*/18.375/NPT	BSF 6-6-*/18.375/NPT	6x18 AWG, 105°C, 300 VAC/VDC, 7 A, 6-Wire DC applications	<p>Female</p> <p>1. BN 2. WH 3. BU 4. BK 5. GY 6. PK</p> <p>Male</p>
<p>BKF 7-7-*/18.375/NPT</p> <p>Typical panel cutout is 17.5 mm.</p>	BKF 7-7-*/18.375/NPT	BSF 7-7-*/18.375/NPT	7x18 AWG, 105°C, 125 VAC/VDC, 7 A, 7-Wire DC applications	<p>Female</p> <p>1. WH 2. BN 3. GN 4. YE 5. GY 6. PK 7. BU</p> <p>Male</p>
<p>BKF 8-8-*/18.375/NPT</p> <p>Typical panel cutout is 17.5 mm.</p>	BKF 8-8-*/18.375/NPT	BSF 8-8-*/18.375/NPT	8x18 AWG, 105°C, 125 VAC/VDC, 7A, 8-Wire DC applications	<p>Female</p> <p>1. WH 2. BN 3. GN 4. YE 5. GY 6. PK 7. BU 8. RD</p> <p>Male</p>

Receptacles

* Length in meters. Standard lead length is 0.5 meter. Consult factory for other lengths.
Standard housing material is nickel plated brass "BSF..".
To specify PVC jacketed cable, add "/S717" to the end of the part number.

12, 14 and 19-Pin Receptacles, Front Mount, 3/8-18 NPT Threads

- For use with Junction Box HomeRun Cables
- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>BKF ..3/8-18 NPT (12, 14, 19 pin)</p> <p>Typical panel cutout is 17.5 mm.</p>	BKF 12-12-*/18.375/NPT	BSF 12-12-*/18.375/NPT	12x22 AWG, 105°C, 125 VAC/VDC, 4 A, mates with 12-pin connectors, 12 conductors	<p>Female</p> <p>Male</p>
	BKF 14-10-*/18.375/NPT	BSF 14-10-*/18.375/NPT	10x22 AWG, 105°C, 30 VAC/VDC, 3 A, mates with 14-pin connectors, 10 conductors	<p>Female</p>
	BKF 14-12-*/18.375/NPT	BSF 14-12-*/18.375/NPT	12x22 AWG, 105°C, 30 VAC/VDC, 3 A, mates with 14-pin connectors, 12 conductors	<p>Male</p>
	BKF 14-14-*/18.375/NPT	BSF 14-14-*/18.375/NPT	14x22 AWG, 105°C, 30 VAC/VDC, 3 A, mates with 14-pin connectors, 14 conductors	<p>Female</p> <p>Male</p>
<p>BSF ..3/8-18 NPT (12, 14, 19 pin)</p> <p>Typical panel cutout is 17.5 mm.</p>	BKF 19-19-*/18.375/NPT	BSF 19-19-*/18.375/NPT	19x22 AWG, 105°C, 30 VAC/VDC, 3 A, mates with 19-pin connectors, 19 conductors	<p>Female</p> <p>Male</p>

* Length in meters. Standard lead length is 0.5 meter. Consult factory for other lengths.
 Standard housing material is nickel plated brass "BSF..".
 To specify PVC jacketed cable, add "/S717" to the end of the part number.



5 - 8 Wire Receptacles, Rear Mount

- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>BKFD .. (5-8 pin)</p> <p>Typical panel cutout is 18 x 17 mm.</p>	BKFD 5-5-*	BSFD 5-5-*	5x20 AWG, 105°C, 300 VAC/VDC, 8A, 5-Wire DC application	<p>Female</p> <p>Male</p>
<p>BKFD 6-6-*</p>	BKFD 6-6-*	BSFD 6-6-*	6x20 AWG, 105°C, 300 VAC/VDC, 7A, 6-Wire DC application	<p>Female</p> <p>Male</p>
<p>BSFD .. (5-8, 12-19 pin)</p> <p>Typical panel cutout is 18 x 17 mm.</p>	BKFD 7-7-*	BSFD 7-7-*	7x20 AWG, 105°C, 125 VAC/VDC, 7A, 7-Wire DC application	<p>Female</p> <p>Male</p>
<p>BKFD 8-8-*</p>	BKFD 8-8-*	BSFD 8-8-*	8x20 AWG, 105°C, 125 VAC/VDC, 7A, 8-Wire DC application	<p>Female</p> <p>Male</p>

Receptacles

* Length in meters. Standard lead lengths is 0.5 meter. Consult factory for other lengths.
Standard housing material is nickel plated brass.
To specify PVC jacketed cable, add "/S717" to the end of the part number.

12, 14 and 19-Pin Receptacles, Rear Mount

- For use with Junction Box Home Run Cables
- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>BKFD ..(12, 14, 19 pin)</p> <p>Typical panel cutout is 18 x 17 mm.</p>	BKFD 12-12-*	BSFD 12-12-*	12x24 AWG, 105°C, 125 VAC/VDC, 4 A, mates with 12-pin connectors, 12 conductors	<p>Female</p> <p>Male</p>
	BKFD 14-10-*	BSFD 14-10-*	10x24 AWG, 105°C, 30 VAC/VDC, 3 A, mates with 14-pin connectors, 10 conductors	<p>Female</p>
	BKFD 14-12-*	BSFD 14-12-*	12x24 AWG, 105°C, 30 VAC/VDC, 3 A, mates with 14-pin connectors, 12 conductors	<p>Male</p>
	BKFD 14-14-*	BSFD 14-14-*	14x24 AWG, 105°C, 30 VAC/VDC, 3 A, mates with 14-pin connectors, 14 conductors	<p>Female</p> <p>Male</p>
<p>BSFD .. (12, 14, 19 pin)</p> <p>Typical panel cutout is 18 x 17 mm.</p>	BKFD 19-19-*	BSFD 19-19-*	19x24 AWG, 105°C, 30 VAC/VDC, 3 A, mates with 19-pin connectors, 19 conductors	<p>Female</p> <p>Male</p>

* Length in meters. Standard lead lengths is 0.5 meter. Consult factory for other lengths.
 Standard housing material is nickel plated brass.
 To specify PVC jacketed cable, add "/S717" to the end of the part number.



5 - 8 Pin Receptacles, Rear Mount, M18 Threads

- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>BKFD .. M18 (5-8 pin)</p> <p>Typical panel cutout is 18.6 mm.</p>	BKFD 5-5-*/M18	BSFD 5-5-*/M18	5x18 AWG, 105°C, 300 VAC/VDC, 8 A, 5-Wire DC applications	<p>Female</p> <p>Male</p>
	BKFD 6-6-*/M18	BSFD 6-6-*/M18	6x18 AWG, 105°C, 300 VAC/VDC, 7 A, 6-Wire DC applications	<p>Female</p> <p>Male</p>
	BKFD 7-7-*/M18	BSFD 7-7-*/M18	7x18 AWG, 105°C, 125 VAC/VDC, 7 A, 7-Wire DC applications	<p>Female</p> <p>Male</p>
<p>BSFD.. M18 (5-8 pin)</p> <p>Typical panel cutout is 18.6 mm.</p>	BKFD 8-8-*/M18	BSFD 8-8-*/M18	8x18 AWG, 105°C, 125 VAC/VDC, 7A, 8-Wire DC applications	<p>Female</p> <p>Male</p>

Receptacles

*Length in meters. Standard lead length is 0.5 meter. Consult factory for other lengths. Standard housing material is nickel plated brass. "BSFDV.." indicates stainless steel. To specify PVC jacketed cable, add "/S717" to the end of the part number.

12, 14 and 19-Pin Receptacles, Rear Mount, M18 Threads

- IEC IP67 Protection

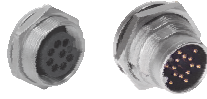


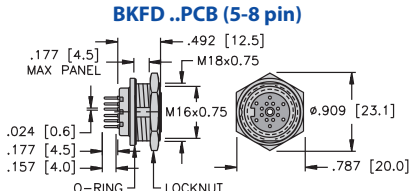
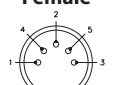
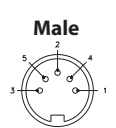
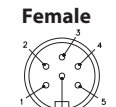
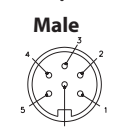
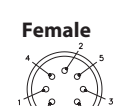
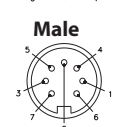
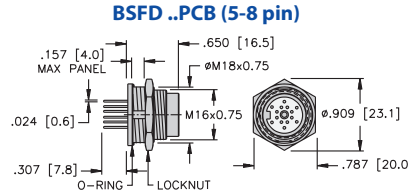
Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>BKFD.. M18 (12, 14, 19 pin)</p> <p>Typical panel cutout is 18.6 mm.</p>	BKFD 12-12-*/M18	BSFD 12-12-*/M18	12x22 AWG, 105°C, 125 VAC/VDC, 4 A, mates with 12-pin connectors, 12 conductors	<p>Female</p> <p>Male</p>
	BKFD 14-10-*/M18	BSFD 14-10-*/M18	10x22 AWG, 105°C, 30 VAC/VDC, 3 A, mates with 14-pin connectors, 10 conductors	<p>Female</p>
	BKFD 14-12-*/M18	BSFD 14-12-*/M18	12x22 AWG, 105°C, 30 VAC/VDC, 3 A, mates with 14-pin connectors, 12 conductors	<p>Male</p>
	BKFD 14-14-*/M18	BSFD 14-14-*/M18	14x22 AWG, 105°C, 30 VAC/VDC, 3 A, mates with 14-pin connectors, 14 conductors	<p>Female</p>
	BKFD 19-19-*/M18	BSFD 19-19-*/M18	19x22 AWG, 105°C, 30 VAC/VDC, 3 A, mates with 19-pin connectors, 19 conductors	<p>Female</p> <p>Male</p>
<p>BSFD.. M18 (12, 14, 19 pin)</p> <p>Typical panel cutout is 18.6 mm.</p>				

*Length in meters. Standard lead length is 0.5 meter. Consult factory for other lengths. Standard housing material is nickel plated brass. "BSFDV.." indicates stainless steel. To specify PVC jacketed cable, add "/S717" to the end of the part number.

5 - 8 Pin Receptacles, Rear Mount, PCB Pins

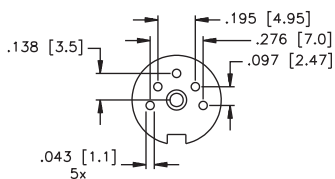
- Locknuts and O-rings Included
- Easy Keyway Orientation
- IEC IP67 Protection



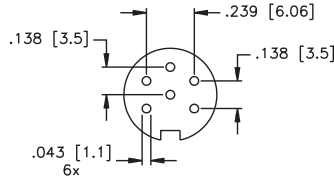
Housing Style	Female Part Number	Male Part Number	Features	Pinout
 <p>BKFD ..PCB (5-8 pin)</p>	BKFD 5-PCB	BSFD 5-PCB	Nickel plated brass, 5-pin PCB pins, 105°C, 60 V, 5 A, M18 x .75 threads, mates with 5-pin cordsets	<p>Female</p>  <p>Male</p> 
	BKFD 6-PCB	BSFD 6-PCB	Nickel plated brass, 5-pin PCB pins, 105°C, 250 V, 5 A, M18 x .75 threads, mates with 6-pin cordsets	<p>Female</p>  <p>Male</p> 
	BKFD 7-PCB	BSFD 7-PCB	Nickel plated brass, 5-pin PCB pins, 105°C, 60 V, 5 A, M18 x .75 threads, mates with 7-pin cordsets	<p>Female</p>  <p>Male</p> 
	 <p>BSFD ..PCB (5-8 pin)</p>	BKFD 8-PCB	BSFD 8-PCB	Nickel plated brass, 5-pin PCB pins, 105°C, 60 V, 5 A, M18 x .75 threads, mates with 8-pin cordsets

Receptacles

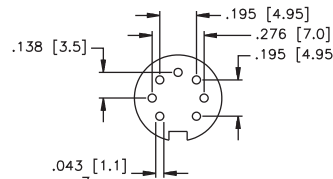
5-Pin PCB Layout



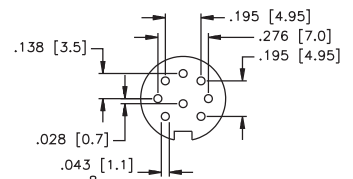
6-Pin PCB Layout



7-Pin PCB Layout

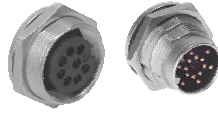


8-Pin PCB Layout



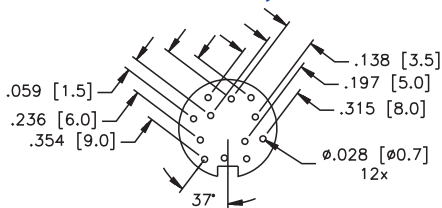
12, 14 and 19-Pin Receptacles, Rear Mount, PCB Pins

- Locknuts and O-rings Included
- Easy Keyway Orientation
- IEC IP67 Protection

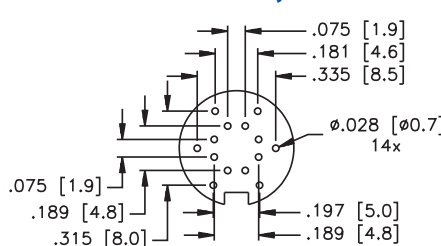


Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>BKFD ..PCB (12, 14, 19 pin)</p>	BKFD 12-PCB	BSFD 12-PCB	Nickel plated brass, 12-pin PCB pins, 105°C, 60 V, 3 A, M18x.75 threads, mates with 12-pin cordsets	<p>Female</p> <p>Male</p>
<p>BSFD ..PCB (12, 14, 19 pin)</p>	BKFD 14-PCB	BSFD 14-PCB	Nickel plated brass, 14-pin PCB pins, 105°C, 60 V, 3 A, M18x.75 threads, mates with 14-pin cordsets	<p>Female</p> <p>Male</p>
<p>BKFD 19-PCB</p> <p>BSFD 19-PCB</p>	BKFD 19-PCB	BSFD 19-PCB	Nickel plated brass, 19-pin PCB pins, 105°C, 60 V, 3 A, M18x.75 threads, mates with 19-pin cordsets	<p>Female</p> <p>Male</p>

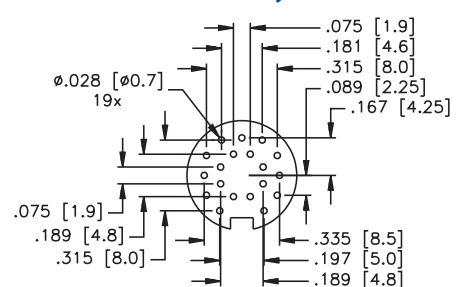
12-Pin PCB Layout



14-Pin PCB Layout



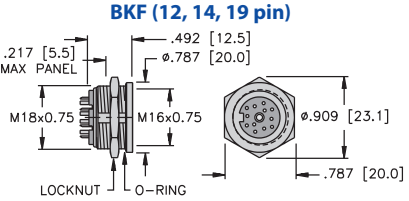
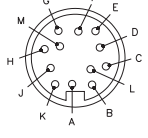
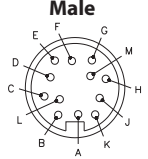
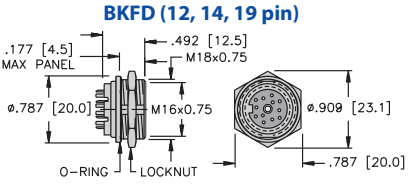
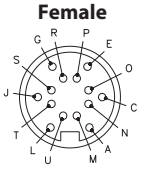
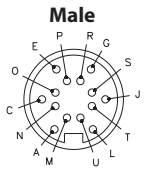
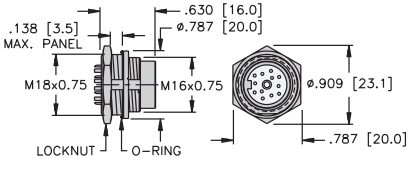
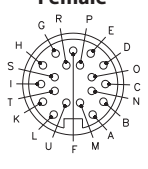
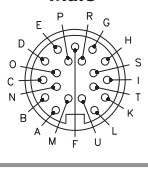
19-Pin PCB Layout



12, 14 and 19-Pin Receptacles, Solder Cups, Front and Rear Mount

- Facilitates Field Replacements



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>BKF (12, 14, 19 pin)</p> 	BKF 12	BSF 12	Nickel plated brass, solder cup, accepts up to 12x24 AWG conductors, 95°C, 125 V, 4 A, mates with <i>picofast</i> junction boxes, front mount	<p>Female</p> 
	BKFD 12	BSFD 12	Nickel plated brass, solder cup, accepts up to 12x24 AWG conductors, 95°C, 125 V, 3 A, mates with <i>picofast</i> junction boxes, rear mount	<p>Male</p> 
<p>BKFD (12, 14, 19 pin)</p> 	BKF 14	BSF 14	Nickel plated brass, solder cup, accepts up to 14x24 AWG conductors, 95°C, 125 V, 3 A, mates with <i>picofast</i> junction boxes, front mount	<p>Female</p> 
	BKFD 14	BSFD 14	Nickel plated brass, solder cup, accepts up to 14x24 AWG conductors, 95°C, 125 V, 3 A, mates with <i>picofast</i> junction boxes, rear mount	<p>Male</p> 
<p>BSF (12, 14, 19 pin)</p> 	BKF 19	BSF 19	Nickel plated brass, solder cup, accepts up to 19x24 AWG conductors, 95°C, 125 V, 3 A, mates with <i>picofast</i> junction boxes, front mount	<p>Female</p> 
	BKFD 19	BSFD 19	Nickel plated brass, solder cup, accepts up to 19x24 AWG conductors, 95°C, 30 V, 3 A, mates with <i>picofast</i> junction boxes, rear mount	<p>Male</p> 

Receptacles

Tees

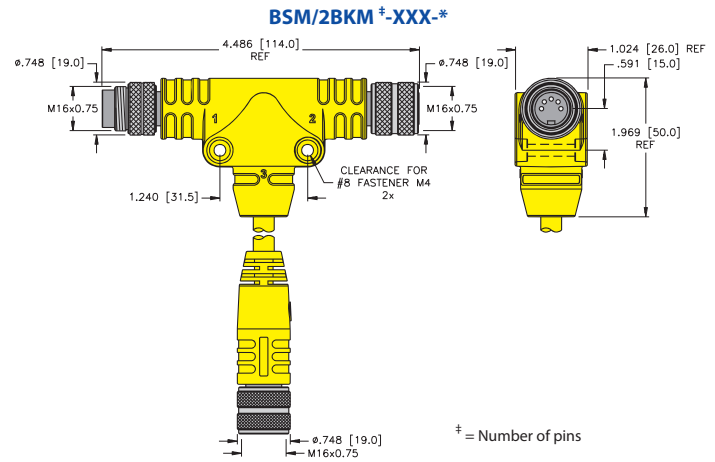
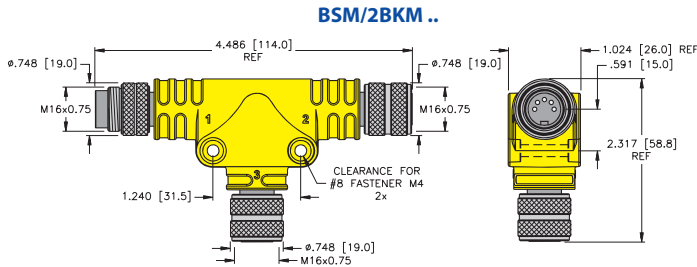
- Parallel Wiring
- Simplifies Wiring Installations
- Tough Molded Thermoplastic Polyurethane Body
- IEC IP67 Protection
- 1 Male and 2 Female Connectors



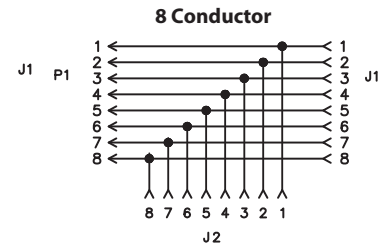
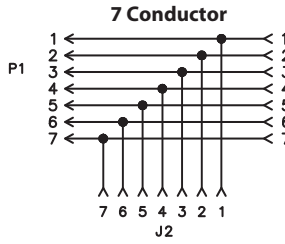
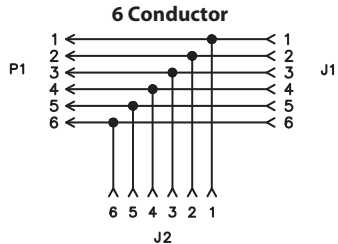
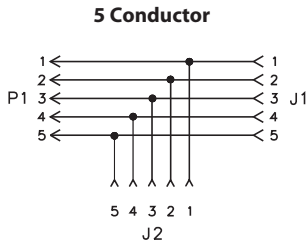
Part Number	Features
BSM/2BKM 5	5 conductor, integral connector drop, 125 V, 8 A, 105°C
BSM/2BKM 5-084-*	5 conductor, cable drop, PVC yellow, 5x18 AWG, 7.0 mm OD, 125 V, 8 A, 105°C
BSM/2BKM 6	6 conductor, integral connector drop, 125 V, 7 A, 105°C
BSM/2BKM 6-085-*	6 conductor, cable drop, PVC yellow, 6x18 AWG, 7.5 mm OD, 125 V, 7 A, 105°C
BSM/2BKM 7	7 conductor, integral connector drop, 125 V, 7 A, 105°C
BSM/2BKM 7-086-*	7 conductor, cable drop, PVC yellow, 7x18 AWG, 8.1 mm OD, 125 V, 7 A, 105°C
BSM/2BKM 8	8 conductor, integral connector drop, 125 V, 7 A, 105°C
BSM/2BKM 8-087-*	8 conductor, cable drop, PVC yellow, 8x18 AWG, 8.5 mm OD, 125 V, 7 A, 105°C

* = Cable length in meters

Dimensions



Wiring Diagrams



Pinouts

Female				Male			
5-Pin	6-Pin	7-Pin	8-Pin	5-Pin	6-Pin	7-Pin	8-Pin

h-Style Tees, Trunk #1 Male

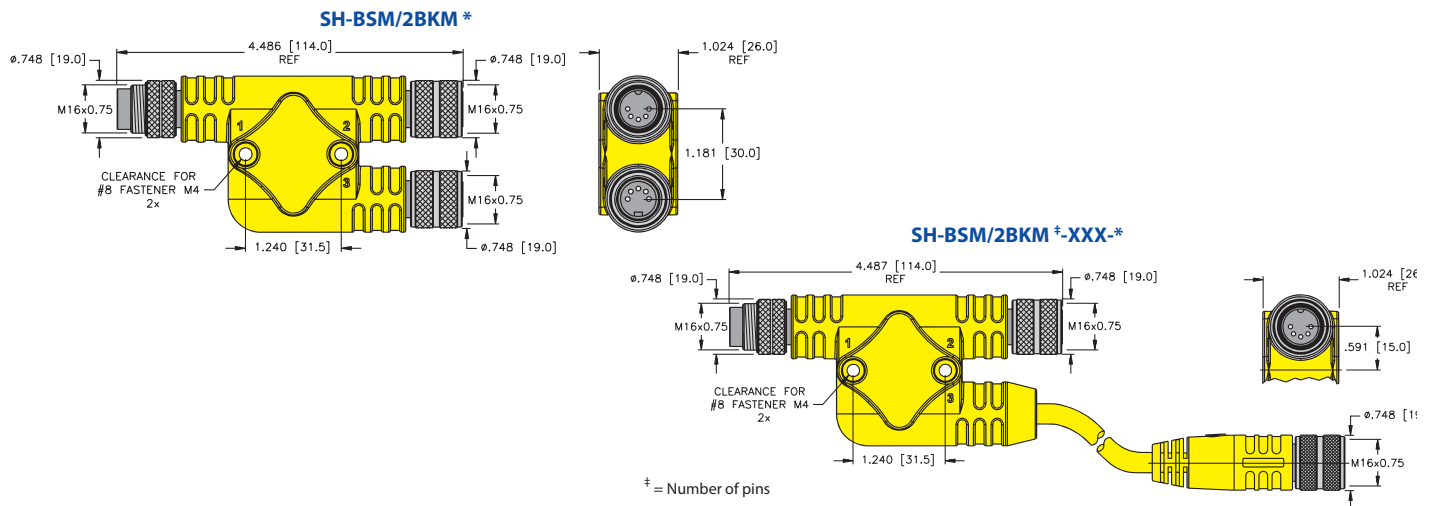
- Parallel Wiring
- Simplifies Wiring Installations
- Tough Molded Thermoplastic Polyurethane Body
- IEC IP67 Protection
- 1 Male and 2 Female Connectors



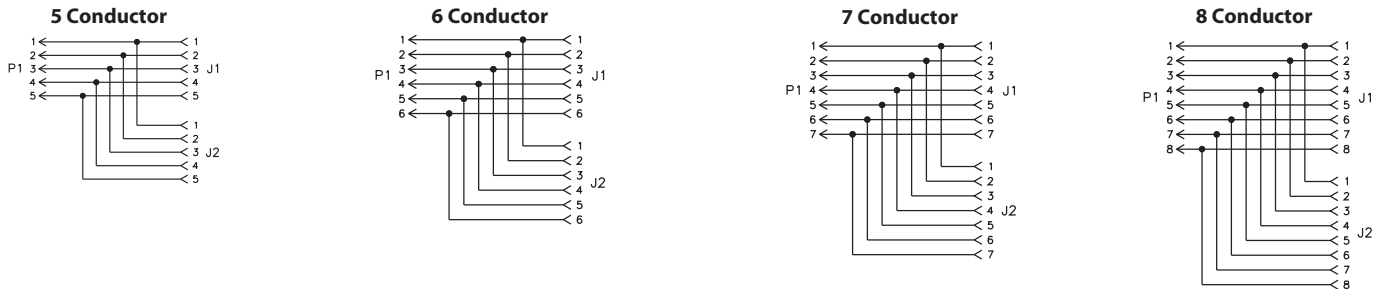
Part Number	Features
SH-BSM/2BKM 5	5 conductor, integral connector drop, 125 V, 8 A, 105°C
SH-BSM/2BKM 5-084-*	5 conductor, cable drop, PVC yellow, 5x18 AWG, 7.0 mm OD, 125 V, 8 A, 105°C
SH-BSM/2BKM 6	6 conductor, integral connector drop, 125 V, 7 A, 105°C
SH-BSM/2BKM 6-085-*	6 conductor, cable drop, PVC yellow, 6x18 AWG, 7.5 mm OD, 125 V, 7 A, 105°C
SH-BSM/2BKM 7	7 conductor, integral connector drop, 125 V, 7 A, 105°C
SH-BSM/2BKM 7-086-*	7 conductor, cable drop, PVC yellow, 7x18 AWG, 8.1 mm OD, 125 V, 7 A, 105°C
SH-BSM/2BKM 8	8 conductor, integral connector drop, 125 V, 7 A, 105°C
SH-BSM/2BKM 8-087-*	8 conductor, cable drop, PVC yellow, 8x18 AWG, 8.5 mm OD, 125 V, 7 A, 105°C

* = Cable length in meters

Dimensions



Wiring Diagrams



Pinouts

Female				Male			
5-Pin	6-Pin	7-Pin	8-Pin	5-Pin	6-Pin	7-Pin	8-Pin

h-Style Tees, Trunk #2 Male

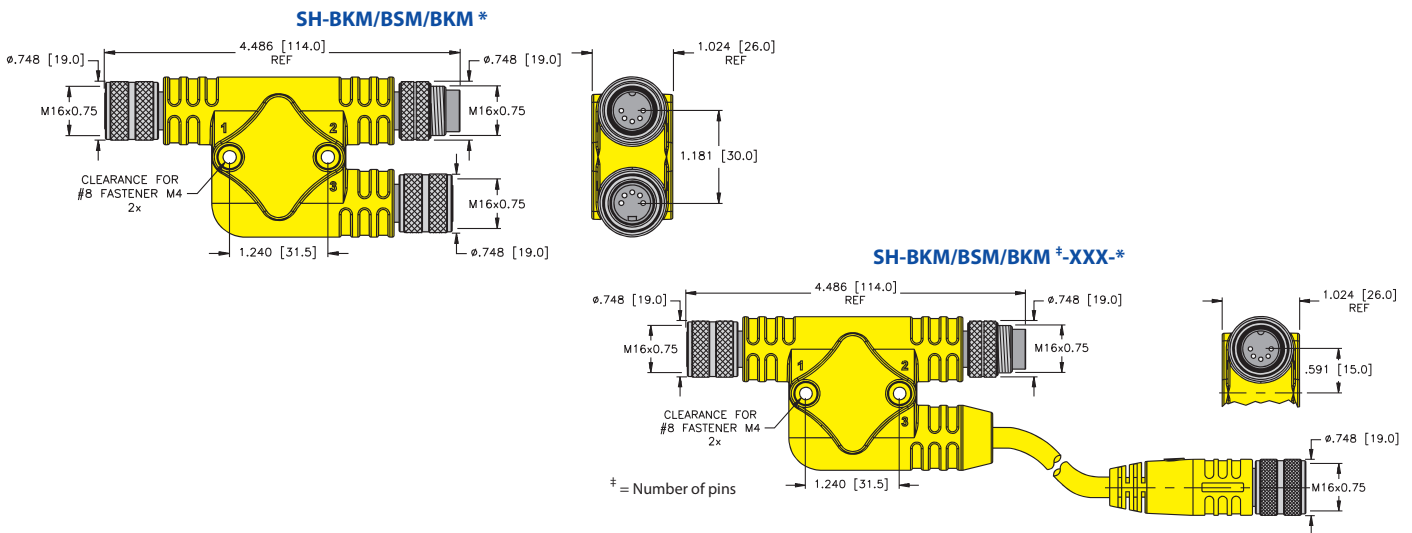
- Parallel Wiring
- Simplifies Wiring Installations
- Tough Molded Thermoplastic Polyurethane Body
- IEC IP67 Protection
- 2 Female and 1 Male Connectors



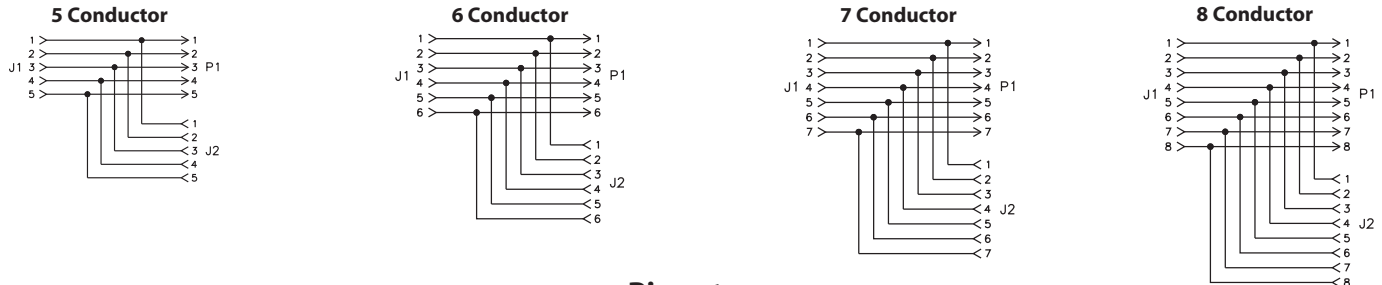
Part Number	Features
SH-BKM/BSM/BKM 5	5 conductor, integral connector drop, 125 V, 8 A, 105°C
SH-BKM/BSM/BKM 5-084-*	5 conductor, cable drop, PVC yellow, 5x18 AWG, 7.0 mm OD, 125 V, 8 A, 105°C
SH-BKM/BSM/BKM 6	6 conductor, integral connector drop, 125 V, 7 A, 105°C
SH-BKM/BSM/BKM 6-085-*	6 conductor, cable drop, PVC yellow, 6x18 AWG, 7.5 mm OD, 125 V, 7 A, 105°C
SH-BKM/BSM/BKM 7	7 conductor, integral connector drop, 125 V, 7 A, 105°C
SH-BKM/BSM/BKM 7-086-*	7 conductor, cable drop, PVC yellow, 7x18 AWG, 8.1 mm OD, 125 V, 7 A, 105°C
SH-BKM/BSM/BKM 8	8 conductor, integral connector drop, 125 V, 7 A, 105°C
SH-BKM/BSM/BKM 8-087-*	8 conductor, cable drop, PVC yellow, 8x18 AWG, 8.5 mm OD, 125 V, 7 A, 105°C

* = Cable length in meters

Dimensions



Wiring Diagrams



Pinouts

Female				Male			
5-Pin	6-Pin	7-Pin	8-Pin	5-Pin	6-Pin	7-Pin	8-Pin

H-Style Tees, Trunk #1 Male

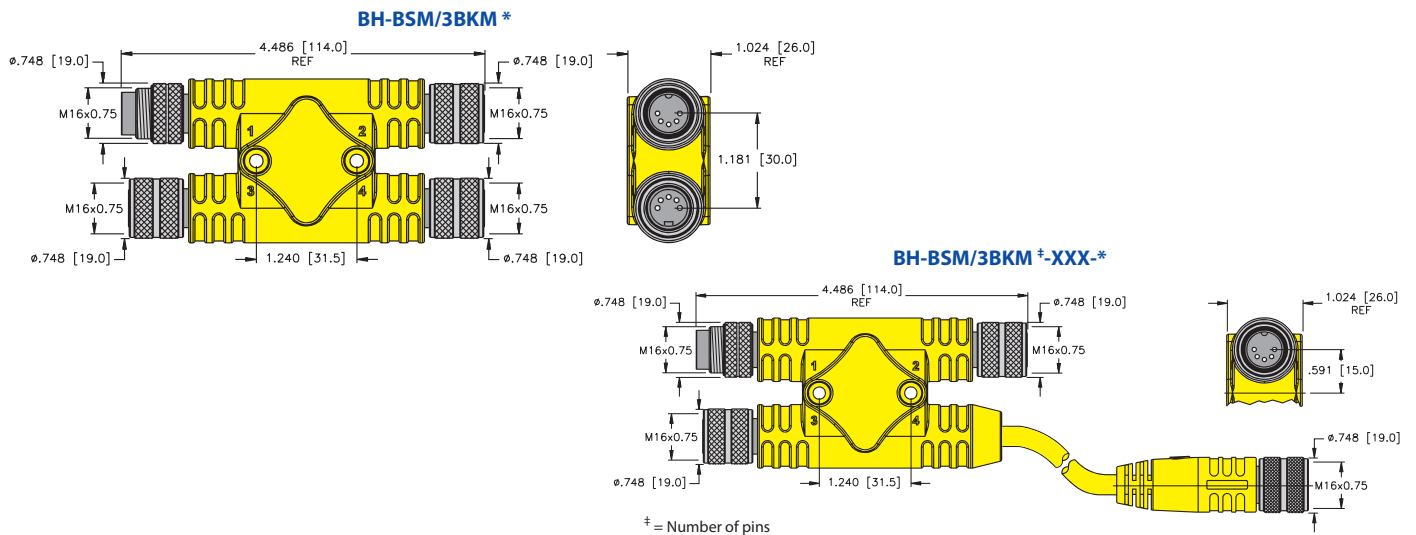
- Parallel Wiring
- Simplifies Wiring Installations
- Tough Molded Thermoplastic Polyurethane Body
- IEC IP67 Protection
- 1 Male and 3 Female Connectors



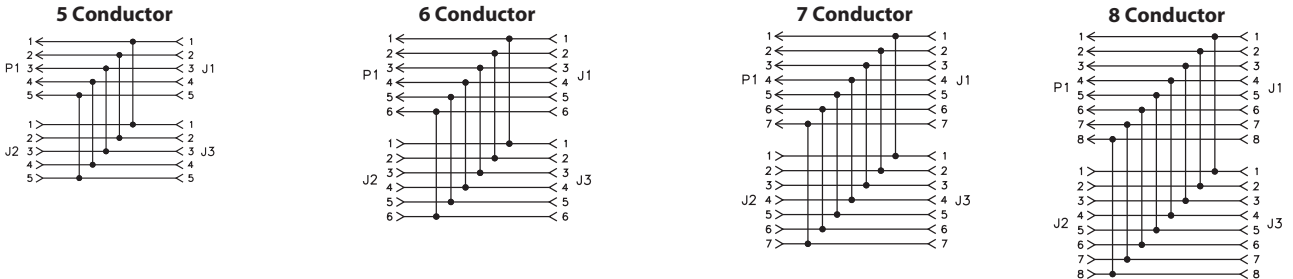
Part Number	Features
BH-BSM/3BKM 5	5 conductor, integral connector drop, 125 V, 8 A, 105°C
BH-BSM/3BKM 5-084-*	5 conductor, cable drop, PVC yellow, 5x18 AWG, 7.0 mm OD, 125 V, 8 A, 105°C
BH-BSM/3BKM 6	6 conductor, integral connector drop, 125 V, 7 A, 105°C
BH-BSM/3BKM 6-085-*	6 conductor, cable drop, PVC yellow, 6x18 AWG, 7.5 mm OD, 125 V, 7 A, 105°C
BH-BSM/3BKM 7	7 conductor, integral connector drop, 125 V, 7 A, 105°C
BH-BSM/3BKM 7-086-*	7 conductor, cable drop, PVC yellow, 7x18 AWG, 8.1 mm OD, 125 V, 7 A, 105°C
BH-BSM/3BKM 8	8 conductor, integral connector drop, 125 V, 7 A, 105°C
BH-BSM/3BKM 8-087-*	8 conductor, cable drop, PVC yellow, 8x18 AWG, 8.5 mm OD, 125 V, 7 A, 105°C

* = Cable length in meters

Dimensions



Wiring Diagrams



Pinouts

Female				Male			
5-Pin	6-Pin	7-Pin	8-Pin	5-Pin	6-Pin	7-Pin	8-Pin

Tees, H-Style Tees, Trunk #2 Male

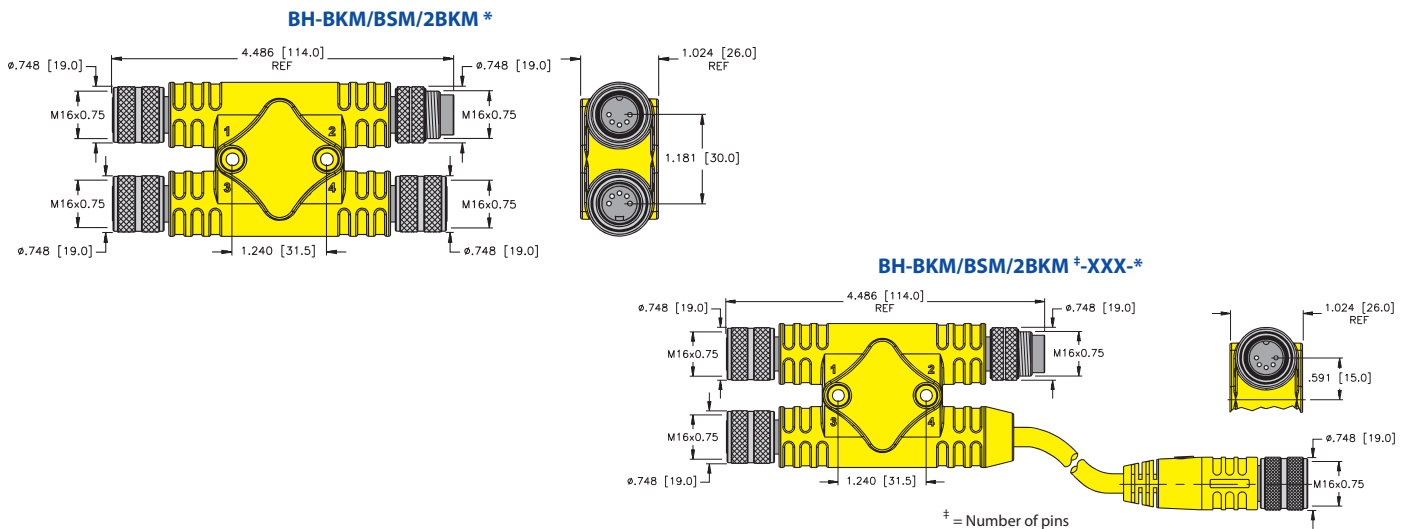
- Parallel Wiring
- Simplifies Wiring Installations
- Tough Molded Thermoplastic Polyurethane Body
- IEC IP67 Protection
- 3 Female and 1 Male Connectors



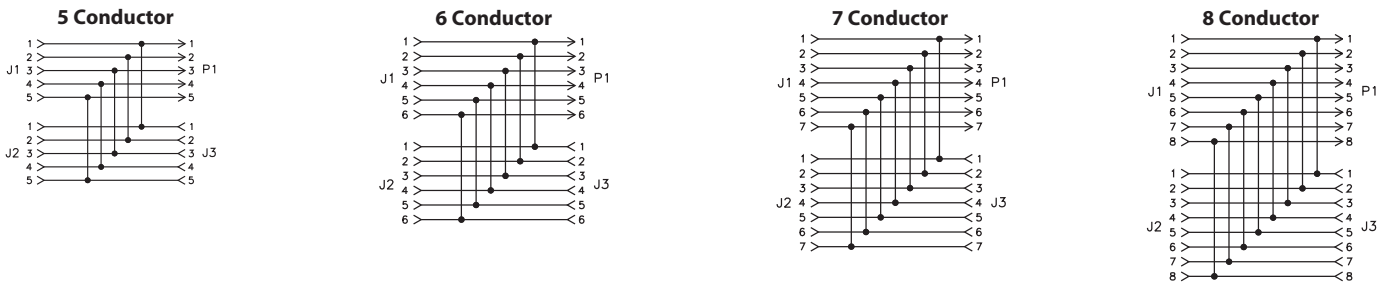
Part Number	Features
BH-BKM/BSM/2BKM 5	5 conductor, integral connector drop, 125 V, 8 A, 105°C
BH-BKM/BSM/2BKM 5-084-*	5 conductor, cable drop, PVC yellow, 5x18 AWG, 7.0 mm OD, 125 V, 8 A, 105°C
BH-BKM/BSM/2BKM 6	6 conductor, integral connector drop, 125 V, 7 A, 105°C
BH-BKM/BSM/2BKM 6-085-*	6 conductor, cable drop, PVC yellow, 6x18 AWG, 7.5 mm OD, 125 V, 7 A, 105°C
BH-BKM/BSM/2BKM 7	7 conductor, integral connector drop, 125 V, 7 A, 105°C
BH-BKM/BSM/2BKM 7-086-*	7 conductor, cable drop, PVC yellow, 7x18 AWG, 8.1 mm OD, 125 V, 7 A, 105°C
BH-BKM/BSM/2BKM 8	8 conductor, integral connector drop, 125 V, 7 A, 105°C
BH-BKM/BSM/2BKM 8-087-*	8 conductor, cable drop, PVC yellow, 8x18 AWG, 8.5 mm OD, 125 V, 7 A, 105°C

* = Cable length in meters

Dimensions



Wiring Diagrams



Pinouts

Female				Male			
5-Pin	6-Pin	7-Pin	8-Pin	5-Pin	6-Pin	7-Pin	8-Pin

5 - 8 Pin Field Wireable, In-line Connectors

- For use with Custom Wiring or Junction Boxes
- IEC IP67 Protection

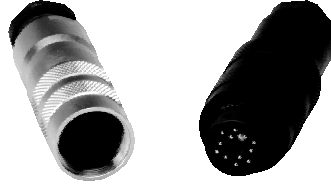


Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>BK..</p>	BK 5-0	BS 5-0	Nylon PG 9 cable gland, accepts 6-8 mm cable diameter, solder cup, accepts up to 5x18 AWG conductors, 85°C, 60 VAC/DC, 6 A, Mates with 5-pin cordsets and receptacles	<p>Female</p> <p>Male</p>
	BK 6-0	BS 6-0	Nylon PG 9 cable gland, accepts 6-8 mm cable diameter, solder cup, accepts up to 6x18 AWG conductors, 85°C, 60 VAC/DC, 3 A, Mates with 6-pin cordsets and receptacles	<p>Female</p> <p>Male</p>
	BK 7-0	BS 7-0	Nylon PG 9 cable gland, accepts 6-8 mm cable diameter, solder cup, accepts up to 7x18 AWG conductors, 85°C, 60 VAC/DC, 3 A, Mates with 7-pin cordsets and receptacles	<p>Female</p> <p>Male</p>
	BK 8-0	BS 8-0	Nylon PG 9 cable gland, accepts 6-8 mm cable diameter, solder cup, accepts up to 8x18 AWG conductors, 85°C, 60 VAC/DC, 3 A, Mates with 8-pin cordsets and receptacles	<p>Female</p> <p>Male</p>
<p>BS..</p>				

Accessories

12-pin Field Wireable, In-line Connectors

- Standard Nylon and Shielded
- IEC IP67 Protection



Connector Style	Female Part Number	Male Part Number	Features	Pinouts
<p>BK ..</p> <p>BS ..</p>	BK 12-0	BS 12-0	Nylon PG 9 cable gland, accepts 6-8 mm cable diameter solder cup, accepts up to 12x24 AWG conductors, 85°C, 60 VDC/VAC, 3 A, mates with 12-pin cordsets and receptacles	<p>Female</p>
<p>BKS ..</p> <p>BSS ..</p>				BKS 12-0

14 and 19-Pin Field Wireable, In-line Connectors

- Male Connectors
- For use with Custom Wiring or Junction Boxes
- IEC IP67 Protection



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>BK ..</p>	BK 14-0	BS 14-0	Nylon PG 9 cable gland, accepts 6-8 mm cable diameter, solder cup, accepts up to 14x24 AWG conductors, 85°C, 60 VAC/DC, 3 A, Mates with <i>picofast</i> junction boxes, unshielded	<p>Female</p> <p>Male</p>
<p>BS ..</p>	BK 19-0	BS 19-0		Nylon PG 9 cable gland, accepts 6-8 mm cable diameter, solder cup, accepts up to 19x24 AWG conductors, 85°C, 60 VAC/DC, 3 A, Mates with <i>picofast</i> junction boxes, unshielded
<p>WBK ..</p>	WBK 14-0	WBS 14-0	Nylon PG 9 cable gland, accepts 6-8 mm cable diameter, solder cup, accepts up to 14x24 AWG conductors, 85°C, 60 VAC/DC, 3 A, Mates with <i>picofast</i> junction boxes, unshielded	<p>Female</p> <p>Male</p>
<p>WBS ..</p>	WBK 19-0	WBS 19-0		Nylon PG 9 cable gland, accepts 6-8 mm cable diameter, solder cup, accepts up to 19x24 AWG conductors, 85°C, 60 VAC/DC, 3 A, Mates with <i>picofast</i> junction boxes, unshielded

Accessories

Closure Caps



Connector Style	Part Number	Features
	BKK-CC	Nylon, M16 threads, 4 1/2 inch plastic lanyard and 3/4 inch loop, mates to male cordsets, receptacles, or junction boxes
	BKF-CC	Nylon, M16 threads, 2 3/4 inch plastic lanyard and #10 eye-let, mates to male cordsets, receptacles, or junction boxes
	BSK-CC	Nylon, M16 threads, 4 1/2 inch plastic lanyard and 3/4 inch loop, mates to female cordsets, receptacles, or junction boxes
	BSFK-CC	Nylon, M16 threads, 2 3/4 inch plastic lanyard and #10 eye-let, mates to female cordsets, receptacles, or junction boxes
	BKM-CC	Nickel plated brass, M16 threads, 6" lanyard, mates with male cordsets and receptacles
	BKF-CC	Nickel plated brass, M16 threads, 6" lanyard with eyelet, mates with male cordsets and receptacles
	BKM-MC	Nickel plated brass, M16 threads, no lanyard, mates with male cordsets and receptacles
	BSM-CC	Nickel plated brass, M16 threads, 6" lanyard
	BSF-CC	Nickel plated brass, M16 threads, 6" lanyard with eyelet
	BSM-MC	Nickel plated brass, M16 threads, no lanyard

Part Number Keys	H2
Cordsets	H5
Receptacles	H20
Field Wireables	H32
Conduit Adapters	H36
Accessories	H37

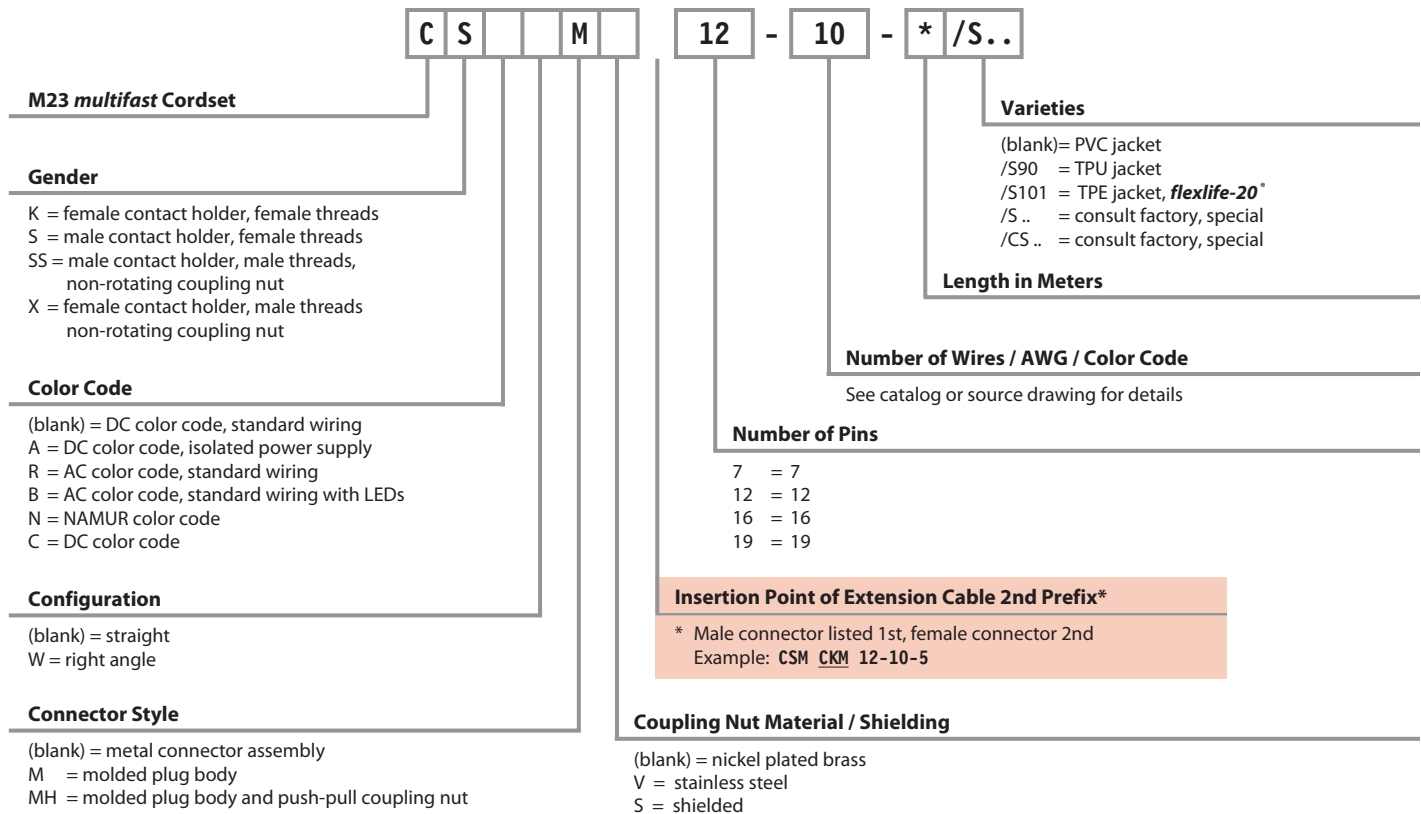
Features

- M23 and M27 threaded connectors
- M23 available in 12, 16 and 19-pin
- M27 available in 26 and 28-pin
- Up to 9 amp, 300 volt rated
- High density
- IEC IP67 protection

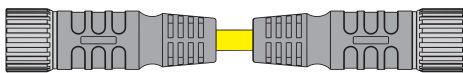


Cordset Part Number Key

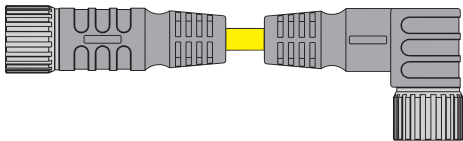
Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



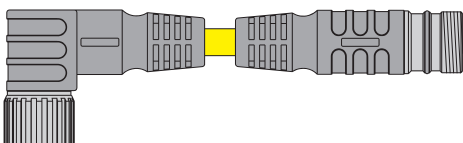
Extension Examples:



C S M 12 - 10 - 5 /S..



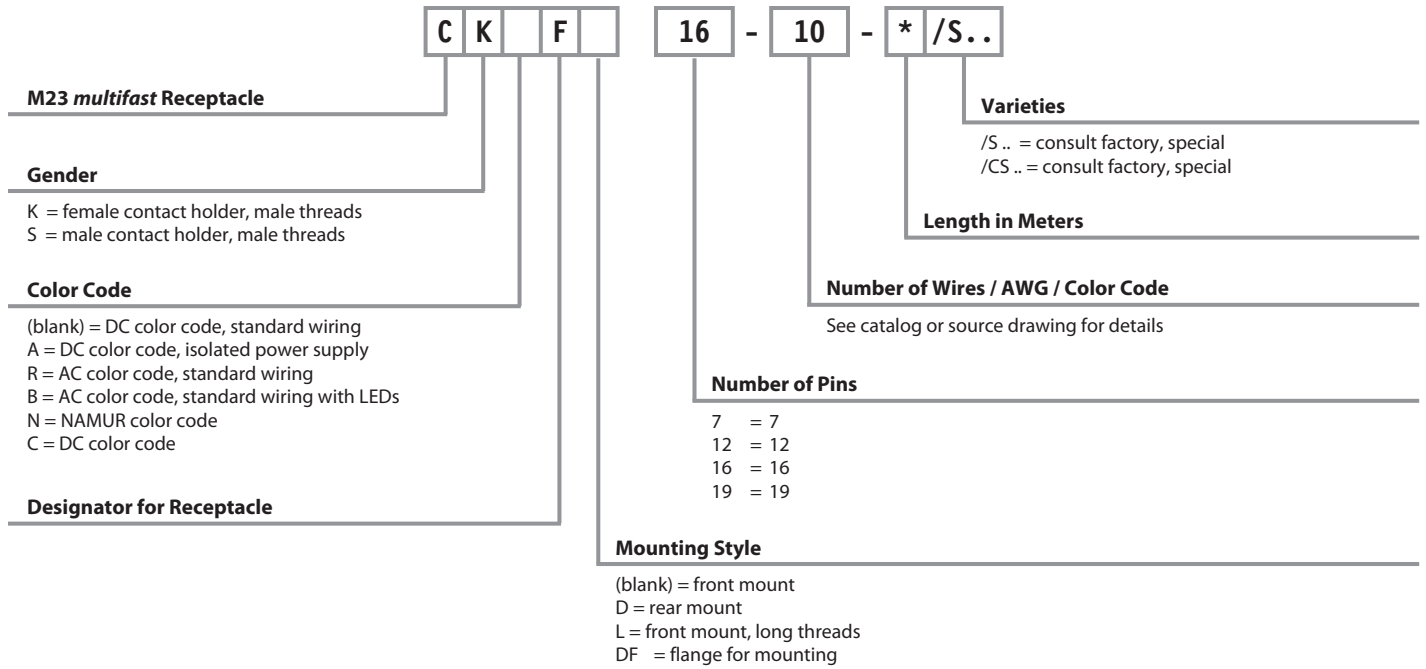
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C K W M C S S M 12 - 10 - 5 /S..

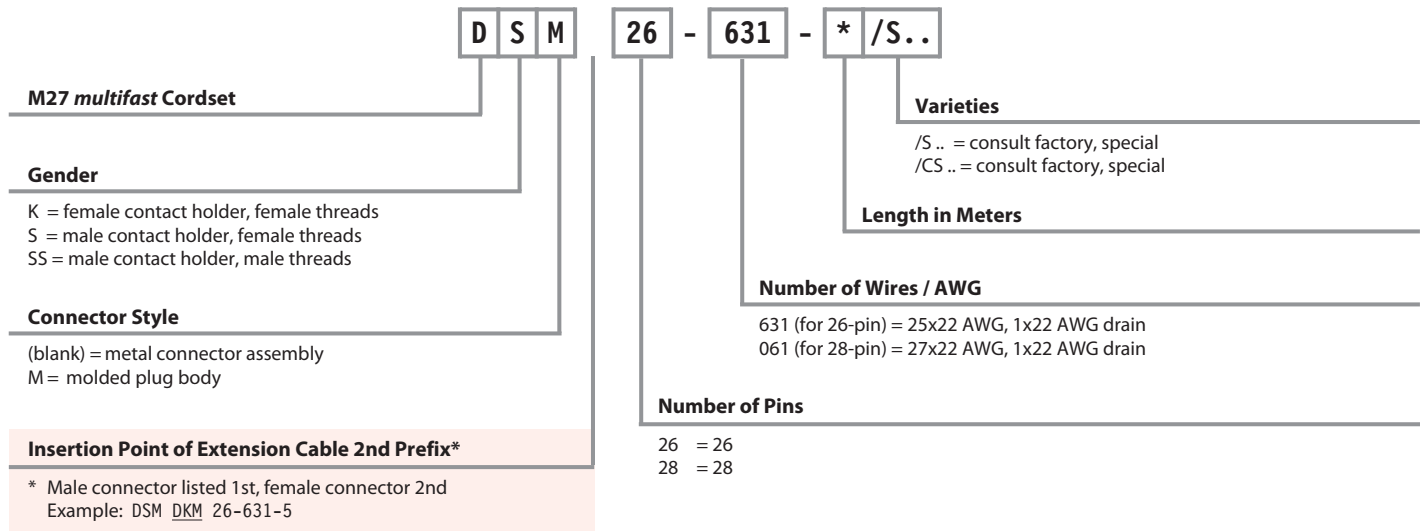
Receptacle Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



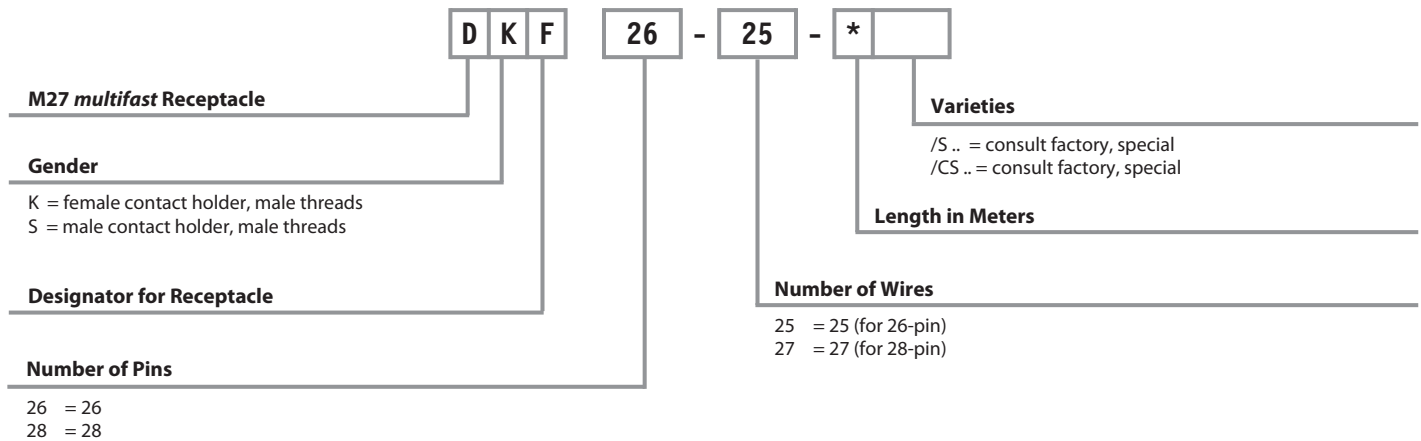
Cordset Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



Receptacle Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



12-Pin Cordsets, DC Color Code, Standard Wiring

- For eurofast® Junction Boxes and multi-conductor Applications
- IEC IP67 Protection
- 300 V, 6 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>CKM ..</p>	CKM 12-7-*	CSM 12-7-*	ITC/PLTC PVC Yellow, 7x18 AWG, 105°C, 8.4 mm OD, Cable #RF50637-*M† 4 port, 1 signal per port, flexlife	<p>Female</p> <p>Male</p>
	CKWM 12-7-*	CSWM 12-7-*		
<p>CKWM ..</p>	CKM 12-9-*	CSM 12-9-*	ITC/PLTC PVC Yellow, 9x18 AWG, 105°C, 10 mm OD, Cable #RF50636-*M† 6 port, 1 signal per port flexlife	
	CKWM 12-9-*	CSWM 12-9-*		
<p>CSM ..</p>	CKM 12-11-*	CSM 12-11-*	ITC/PLTC PVC Yellow, 11x18 AWG, 105°C, 10.5 mm OD, Cable #RF51088-*M†, 8 port, 1 signal per port, flexlife*	
	CKWM 12-11-*	CSWM 12-11-*		
<p>CSWM ..</p>	CKM 12-12-*/S101	CSM 12-12-*/S101	TPE Yellow, 12x18 AWG, 105°C, 9.3 mm OD, Cable #RF50915-*M†8 port, 1 signal per port, flexlife-20, High Flex - Over 20 million cycles	
	CKWM 12-12-*/S101	CSWM 12-12-*/S101		
	CKM 12-12-*/S817	CSM 12-12-*/S817		
	CKWM 12-12-*/S817	CSWM 12-12-*/S817		

* Length in meters.
 Standard cable lengths are 5 and 10 meters. Consult factory for other lengths.
 Standard coupling nut material is nickel plated brass.. "CKM.."; "CKMV.." indicates stainless steel coupling nut.
 † See Section N for **reelfast**® cable information.

Cordsets

12-Pin Cordsets, DC Color Code, Standard Wiring

- For *eurofast*® Junction Boxes and multi-conductor Applications
- IEC IP67 Protection
- 300 V, 6 A



Connector Style	Male Part Number	Features	Pinout
<p>CSSM ..</p> <p>Non-rotating coupling nut</p>	<p>CSSM 12-7-* CSSWM 12-7-*</p>	<p>ITC/PLTC PVC Yellow, 7x18 AWG, 105°C, 8.4 mm OD, Cable #RF50637-*M†, 4 port, 1 signal per port, <i>flexlife</i> *</p>	<p>1. BN 3. BU 4. WH 6. GN 7. YE 8. GY 12. GN/YE</p> <p>Male</p>
	<p>CSSM 12-7-*/S90 CSSWM 12-7-*/S90</p>	<p>TPU Yellow, 7x18 AWG, 90°C, 7.2 mm OD, Cable #RF50676-*M†, 4 port, 1 signal per port, Cut/Abrasion Immune</p>	
<p>CSSWM ..</p> <p>Non-rotating coupling nut</p>	<p>CSSM 12-9-* CSSWM 12-9-*</p>	<p>ITC/PLTC PVC Yellow, 9x18 AWG, 105°C, 10 mm OD, Cable #RF50636-*M†, 6 port, 1 signal per port, <i>flexlife</i></p>	
	<p>CSSM 12-9-*/S90 CSSWM 12-9-*/S90</p>	<p>ITPU Yellow, 9x18 AWG, 90°C, 10 mm OD, Cable #RF50677-*M†, 6 port, 1 signal per port, Cut/Abrasion Immune</p>	
	<p>CSSM 12-11-* CSSWM 12-11-*</p>	<p>ITC/PLTC PVC Yellow, 11x18 AWG, 105°C, 10.5 mm OD, Cable #RF51088-*M†, 8 port, 1 signal per port, <i>flexlife</i></p>	
	<p>CSSM 12-11-*/S90 CSSWM 12-11-*/S90</p>	<p>TPU Yellow, 11x18 AWG, 90°C, 10 mm OD, Cable #RF50678-*M†, 8 port, 1 signal per port, Cut/Abrasion Immune</p>	
	<p>CSSM 12-12-*/S101 CSSWM 12-12-*/S101</p>	<p>TPE Yellow, 12x18 AWG, 105°C, 9.3 mm OD, Cable #RF50915-*M†, 8 port, 1 signal per port, <i>flexlife</i>-20, High Flex - Over 20 million cycles</p>	
	<p>CSSM 12-12-*/S817 CSSWM 12-12-*/S817</p>	<p>PVC Yellow, 12x18 AWG, 105°C, 10.0 mm OD, Cable #RF50606-*M†, 8 port, 1 signal per port, <i>flexlife</i></p>	

* Length in meters.

Standard cable lengths are 5 and 10 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass.. "CSSM..".

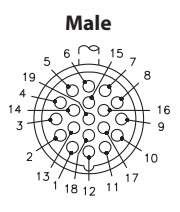
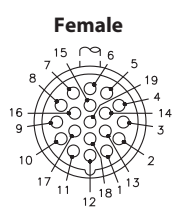
† See Section N for *reelfast*® cable information.

19-Pin Cordsets, DC Color Code, Standard Wiring

- For eurofast® Junction Boxes and multi-conductor Applications
- IEC IP67 Protection
- 150 V, 9 A (18 AWG) & 2 A (22 AWG)



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>CKM ..</p>	CKM 19-11-*	CSM 19-11-*	PLTC PVC Yellow, 3x18, 8x22 AWG, 105°C, 8.5 mm OD, Cable #RF50624-*M†	<p>3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/BN 10. GN/YE 11. GN/GN 12. GN/YE 13. GN/GN 14. BN/GN 15. WH 16. YE 17. PK 18. GY/BN 19. BN</p>
	CKWM 19-11-*	CSWM 19-11-*	4-port, 2 signals per port <i>flexlife</i> ®	
<p>CKWM ..</p>	CKM 19-11-*/S90	CSM 19-11-*/S90	TPU Yellow, 3x18, 8x22 AWG, 90°C, 8.4 mm OD, Cable #RF50718-*M†, 4-port, 2 signals per port	<p>2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. GN/YE 11. GN/GN 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. GY/BN 19. BN</p>
	CKWM 19-11-*/S90	CSWM 19-11-*/S90	Cut/Abrasion Immune	
<p>CSM ..</p>	CKM 19-15-*	CSM 19-15-*	PVC Yellow, 3x18, 12x22 AWG, 105°C, 8.4 mm OD, Cable #RF50625-*M†, 6-port, 2 signals per port	<p>1. VT 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. WH/GY 11. BK 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. GY/BN 19. BN</p>
	CKWM 19-15-*	CSWM 19-15-*	<i>flexlife</i>	
<p>CSWM ..</p>	CKM 19-15-*/S90	CSM 19-15-*/S90	TPU Yellow, 3x18, 12x22 AWG, 90°C, 8.5 mm OD, Cable #RF50818-*M†, 6-port, 2 signals per port	<p>1. VT 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. WH/GY 11. BK 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. GY/BN 19. BN</p>
	CKWM 19-15-*/S90	CSWM 19-15-*/S90	Cut/Abrasion Immune	
<p>CKM ..</p>	CKM 19-19-*	CSM 19-19-*	PLTC PVC Yellow, 3x18, 16x22 AWG, 105°C, 10.0 mm OD, Cable #RF50620-*M†, 8 port, 2 signals per port	<p>1. VT 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. WH/GY 11. BK 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. GY/BN 19. BN</p>
	CKWM 19-19-*	CSWM 19-19-*	<i>flexlife</i>	
<p>CKWM ..</p>	CKM 19-19-*/S90	CSM 19-19-*/S90	PLTC TPU Yellow, 3x18, 16x22 AWG, 105°C, 10.4 mm OD, Cable #RF50682-*M†, 8 port, 2 signals per port	<p>1. VT 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. WH/GY 11. BK 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. GY/BN 19. BN</p>
	CKWM 19-19-*/S90	CSWM 19-19-*/S90	Cut/Abrasion Immune	
<p>CSWM ..</p>	CKM 19-19-*/S101	CSM 19-19-*/S101	PLTC TPE Yellow, 3x18, 16x22 AWG, 105°C, 9.3 mm OD, Cable #RF50916-*M†, 8 port, 2 signals per port	<p>1. VT 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. WH/GY 11. BK 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. GY/BN 19. BN</p>
	CKWM 19-19-*/S101	CSWM 19-19-*/S101	<i>flexlife-20</i> , High Flex - Over 20 million cycles	



Cordsets

* Length in meters.
Standard cable lengths are 5 and 10 meters. Consult factory for other lengths.
Standard coupling nut material is nickel plated brass.. "CKM.."; "CKMV.." indicates stainless steel coupling nut.
† See Section N for **reelfast**® cable information.

19-Pin Cordsets, DC Color Code, Standard Wiring

- For *eurofast*® Junction Boxes and multi-conductor Applications
- IEC IP67 Protection
- 150 V, 9 A (18 AWG) & 2 A (22 AWG)



Connector Style	Male Part Number	Features	Pinout
<p>CSSM..</p> <p>Non-rotating coupling nut</p>	<p>CSSM 19-11-* CSSWM 19-11-*</p>	<p>PLTC PVC Yellow, 3x18, 8x22 AWG, 105°C, 8.5 mm OD, Cable #RF50624-*M†, 4-port, 2 signals per port, flexlife*</p>	<p>3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. WH/GY 11. BK 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. GY/BN 19. BN</p> <p>Male</p>
	<p>CSSM 19-11-*/S90 CSSWM 19-11-*/S90</p>	<p>TPU Yellow, 3x18, 8x22 AWG, 90°C, 8.4 mm OD, Cable #RF50718-*M†, 4-port, 2 signals per port, Cut/Abrasion Immune</p>	
<p>CSSM 19-15-* CSSWM 19-15-*</p>	<p>PVC Yellow, 3x18, 12x22 AWG, 105°C, 8.4 mm OD, Cable #RF50625-*M†, 6-port, 2 signals per port flexlife</p>		
<p>CSSM 19-15-*/S90 CSSWM 19-15-*/S90</p>	<p>TPU Yellow, 3x18, 12x22 AWG, 90°C, 8.5 mm OD, Cable #RF50818-*M†, 6-port, 2 signals per port, Cut/Abrasion Immune</p>		
<p>CSSWM..</p> <p>Non-rotating coupling nut</p>	<p>CSSM 19-19-* CSSWM 19-19-*</p>	<p>PLTC PVC Yellow, 3x18, 16x22 AWG, 105°C, 10.0 mm OD, Cable #RF50620-*M†, 8-port, 2 signals per port, flexlife</p>	
	<p>CSSM 19-19-*/S90 CSSWM 19-19-*/S90</p>	<p>PLTC TPU Yellow, 3x18, 16x22 AWG, 105°C, 10.4 mm OD, Cable #RF50682-*M†, 8-port, 2 signals per port, Cut/Abrasion Immune</p>	
	<p>CSSM 19-19-*/S101 CSSWM 19-19-*/S101</p>	<p>TPE Yellow, 3x18, 16x22 AWG, 105°C, 9.3 mm OD, Cable #RF50916-*M†, 8-port, 2 signals per port flexlife-20, High Flex - Over 20 million cycles</p>	

* Length in meters.

Standard cable lengths are 5 and 10 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass.. "CSSM..".

† See Section N for *reelfast*® cable information.

12 and 19-Pin Shielded Cordsets, DC Color Code, Standard Wiring

- Shield to Coupling Nut
- For *eurofast*® Junction Boxes and multi-conductor Applications
- IEC IP67 Protection



Connector Style	Female Part Number	Male Part Number	Features	Pinout																			
<p>CKMS ..</p>	<p>CKMS 12-7-204-*</p> <p>CKWMS 12-7-204-*</p>	<p>CSMS 12-7-204-*</p> <p>CSWMS 12-7-204-*</p>	<p>ITC/PLTC PVC Yellow, 7x18 AWG, 105°C, 300 V, 6 A, 8.4 mm OD, Cable #RF51204-*M†</p> <p>4-port, 1 signal per port, EMI/RFI Protection</p>	<table border="0"> <tr> <td>1. BN</td> <td>7. YE</td> </tr> <tr> <td>2. N/C</td> <td>8. GY</td> </tr> <tr> <td>3. BU</td> <td>9. N/C</td> </tr> <tr> <td>4. WH</td> <td>10. N/C</td> </tr> <tr> <td>5. N/C</td> <td>11. N/C</td> </tr> <tr> <td>6. GN</td> <td>12. GN/YE</td> </tr> </table> <p>Female</p>	1. BN	7. YE	2. N/C	8. GY	3. BU	9. N/C	4. WH	10. N/C	5. N/C	11. N/C	6. GN	12. GN/YE							
1. BN	7. YE																						
2. N/C	8. GY																						
3. BU	9. N/C																						
4. WH	10. N/C																						
5. N/C	11. N/C																						
6. GN	12. GN/YE																						
<p>CKWMS ..</p>	<p>CKMS 12-9-203-*</p> <p>CKWMS 12-9-203-*</p>	<p>CSMS 12-9-203-*</p> <p>CSWMS 12-9-203-*</p>	<p>ITC/PLTC PVC Yellow, 9x18 AWG, 105°C, 300 V, 6 A, 11.2 mm OD, Cable #RF51203-*M†</p> <p>6-port, 1 signal per port, EMI/RFI Protection</p>	<table border="0"> <tr> <td>1. BN</td> <td>7. YE</td> </tr> <tr> <td>2. N/C</td> <td>8. GY</td> </tr> <tr> <td>3. BU</td> <td>9. PK</td> </tr> <tr> <td>4. WH</td> <td>10. RD</td> </tr> <tr> <td>5. N/C</td> <td>11. N/C</td> </tr> <tr> <td>6. GN</td> <td>12. GN/YE</td> </tr> </table> <p>Male</p>	1. BN	7. YE	2. N/C	8. GY	3. BU	9. PK	4. WH	10. RD	5. N/C	11. N/C	6. GN	12. GN/YE							
1. BN	7. YE																						
2. N/C	8. GY																						
3. BU	9. PK																						
4. WH	10. RD																						
5. N/C	11. N/C																						
6. GN	12. GN/YE																						
<p>CSMS ..</p>	<p>CKMS 12-11-190-*</p> <p>CKWMS 12-11-190-*</p>	<p>CSMS 12-11-190-*</p> <p>CSWMS 12-11-190-*</p>	<p>ITC/PLTC PVC Yellow, 11x18 AWG, 105°C, 300 V, 6 A, 11.2 mm OD, Cable #RF51190-*M†</p> <p>8-port, 1 signal per port, EMI/RFI Protection</p>	<table border="0"> <tr> <td>1. BN</td> <td>7. GY</td> </tr> <tr> <td>2. N/C</td> <td>8. PK</td> </tr> <tr> <td>3. BU</td> <td>9. RD</td> </tr> <tr> <td>4. WH</td> <td>10. BK</td> </tr> <tr> <td>5. GN</td> <td>11. VT</td> </tr> <tr> <td>6. YE</td> <td>12. GN/YE</td> </tr> </table>	1. BN	7. GY	2. N/C	8. PK	3. BU	9. RD	4. WH	10. BK	5. GN	11. VT	6. YE	12. GN/YE							
1. BN	7. GY																						
2. N/C	8. PK																						
3. BU	9. RD																						
4. WH	10. BK																						
5. GN	11. VT																						
6. YE	12. GN/YE																						
<p>CSWMS ..</p>	<p>CKMS 19-191-*</p> <p>CKWMS 19-191-*</p>	<p>CSMS 19-191-*</p> <p>CSWMS 19-191-*</p>	<p>PLTC PVC Yellow, 3x18, 16x22 AWG, 105°C, 150 V, 9 A (18 AWG) & 2 A (22 AWG), 11.2 mm OD, Cable #RF51191-*M†</p> <p>8 port, 2 signals per port, EMI/RFI Protection</p>	<table border="0"> <tr> <td>1. VT</td> <td>2. RD</td> <td>3. GY</td> <td>4. RD/BU</td> <td>5. GN</td> <td>6. BU</td> <td>7. GY/PK</td> <td>8. WH/GN</td> <td>9. WH/YE</td> <td>10. WH/GY</td> <td>11. BK</td> <td>12. GN/YE</td> <td>13. YE/BN</td> <td>14. BN/GN</td> <td>15. WH</td> <td>16. YE</td> <td>17. PK</td> <td>18. GY/BN</td> <td>19. BN</td> </tr> </table> <p>Female</p> <p>Male</p>	1. VT	2. RD	3. GY	4. RD/BU	5. GN	6. BU	7. GY/PK	8. WH/GN	9. WH/YE	10. WH/GY	11. BK	12. GN/YE	13. YE/BN	14. BN/GN	15. WH	16. YE	17. PK	18. GY/BN	19. BN
1. VT	2. RD	3. GY	4. RD/BU	5. GN	6. BU	7. GY/PK	8. WH/GN	9. WH/YE	10. WH/GY	11. BK	12. GN/YE	13. YE/BN	14. BN/GN	15. WH	16. YE	17. PK	18. GY/BN	19. BN					

Cordsets

* Length in meters.
 Standard cable lengths are 5 and 10 meters. Consult factory for other lengths.
 Standard coupling nut material is nickel plated brass.. "CKMS.."; "CKMSV.." indicates stainless steel coupling nut.
 † See Section N for *reelfast*® cable information.

16-Pin Cordsets, DC Color Code, Isolated Power Supply

- For *eurofast*® Junction Boxes and multi-conductor Applications
- IEC IP67 Protection
- 150 V, 6 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>CKAM ..</p>	<p>CKAM 16-10-* CKAWM 16-10-*</p>	<p>CSAM 16-10-* CSAWM 16-10-*</p>	<p>PVC Yellow, 10x18 AWG, 105°C, 10 mm OD, Cable #RF50607-[†]M[†], 4-port, dual supply, <i>flexlife</i>®</p>	<p>1. BN 3. BU 4. WH 5. GN/YE 6. OG 7. YE 8. GY 11. BN/WH 13. BU/WH 15. GN/WH</p> <p>Female</p>
<p>CKAWM ..</p>	<p>CKAM 16-12-* CKAWM 16-12-*</p>	<p>CSAM 16-12-* CSAWM 16-12-*</p>	<p>PVC Yellow, 12x18 AWG, 105°C, 10 mm OD, Cable #RF50606-[†]M[†], 6-port, dual supply, <i>flexlife</i></p>	<p>1. BN 3. BU 4. WH 5. GN/YE 6. OG 7. YE 8. GY 9. PK 10. RD 11. BN/WH 13. BU/WH 15. GN/WH</p>
<p>CSAM ..</p>				
<p>CSAWM ..</p>	<p>CKAM 16-14-* CKAWM 16-14-*</p>	<p>CSAM 16-14-* CSAWM 16-14-*</p>	<p>PVC Yellow, 14x18 AWG, 105°C, 10.6 mm OD, Cable #RF50576-[†]M[†], 8-port, dual supply, <i>flexlife</i></p>	<p>1. BN 3. BU 4. WH 5. GN/YE 6. OG 7. YE 8. GY 9. PK 10. RD 11. BN/WH 12. BK 13. BU/WH 14. VT 15. GN/WH</p> <p>Male</p>

* Length in meters.

Standard cable lengths are 5 and 10 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass.. "CKAM.."; "CKAMV.." indicates stainless steel coupling nut.

† See Section N for *reelfast*® cable information.



16-Pin Connectors, DC Color Code, Isolated Power Supply

- For *euromast*® Junction Boxes and multi-conductor Applications
- IEC IP67 Protection
- 150 V, 6 A



Connector Style	Male Part Number	Features	Pinout
<p>CSSAM ..</p> <p>Non-rotating coupling nut</p> <p>CSSAWM ..</p> <p>Non-rotating coupling nut</p>	<p>CSSAM 16-10-* CSSAWM 16-10-*</p>	<p>PVC Yellow, 10x18 AWG, 105°C, 10 mm OD, Cable #RF50607-[†]M[†], 4-port, Dual Supply, <i>flexlife</i>®</p>	<ol style="list-style-type: none"> 1. BN 3. BU 4. WH 5. GN/YE 6. OG 7. YE 8. GY 11. BN/WH 13. BU/WH 15. GN/WH
	<p>CSSAM 16-12-* CSSAWM 16-12-*</p>	<p>PVC Yellow, 12x18 AWG, 105°C, 10 mm OD, Cable #RF50606-[†]M[†], 6-port, Dual Supply, <i>flexlife</i></p>	<p>Male</p>
	<p>CSSAM 16-14-* CSSAWM 16-14-*</p>	<p>PVC Yellow, 14x18 AWG, 105°C, 10.6 mm OD, Cable #RF50576-[†]M[†], 8-port, Dual Supply, <i>flexlife</i></p>	

Cordsets

* Length in meters.
Standard cable lengths are 5 and 10 meters. Consult factory for other lengths.
Standard coupling nut material is nickel plated brass.. "CSSAM..".
[†] See Section N for *reelfast*® cable information.

12-Pin Cordsets, AC & DC Color Code

- For *eurofast*®, *minifast*®, and *microfast*® Junction Boxes and multi-conductor Applications
- IEC IP67 Protection
- 300 V, 6 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>CK*M..</p>	CKBM 12-7-* CKBWM 12-7-*	CSBM 12-7-* CSBWM 12-7-*	PVC Black, 7x18 AWG 105°C, 7.2 mm OD, Cable #RF50715-*M†, 4-port, AC Color Code, Standard Wiring with LEDs, <i>flexlife</i> ®	<ol style="list-style-type: none"> 1. WH/BK 2. BK 3. WH 4. RD 5. OG 6. BU 7. GN
<p>CK*WM..</p>	CKBM 12-11-* CKBWM 12-11-*	CSBM 12-11-* CSBWM 12-11-*	PVC Black, 11x18 AWG, 105°C, 10 mm OD, Cable #RF50716-*M†, 8-port, AC Color Code, Standard Wiring with LEDs, <i>flexlife</i>	<ol style="list-style-type: none"> 1. OG 2. BU 3. WH/BK 4. RD/BK 5. GN/BK 6. OG/BK 7. BU/BK 9. GN 10. RD 11. WH 12. BK <p>Female</p>
<p>CS*M..</p>	CKCM 12-7-* CKCWM 12-7-*	CSCM 12-7-* CSCWM 12-7-*	ITC/PLTC PVC Yellow, 7x18 AWG, 105°C, 8.4 mm OD, Cable #RF50637-*M†, 4-port 1 signal per port, DC Color Code, <i>flexlife</i>	<ol style="list-style-type: none"> 1. WH 2. GN 3. YE 4. GY 10. BU 11. BN 12. GN/YE
<p>CS*WM..</p>	CKCM 12-7-*/S90 CKCWM 12-7-*/S90	CSCM 12-7-*/S90 CSCWM 12-7-*/S90	TPU Yellow, 7x18 AWG, 90°C, 7.2 mm OD, Cable #RF50676-*M†, 4-port 1 signal per port, DC Color Code, Cut/Abrasion Immune	<ol style="list-style-type: none"> 1. WH 2. GN 3. YE 4. GY 10. BU 11. BN 12. GN/YE <p>Male</p>
<p>CK*WM..</p>	CKCM 12-11-* CKCWM 12-11-*	CSCM 12-11-* CSCWM 12-11-*	ITC/PLTC PVC Yellow, 11x18 AWG, 105°C, 10.5 mm OD, Cable #RF51088-*M†, 8-port 1 Signal per port, DC Color Code, <i>flexlife</i>	<ol style="list-style-type: none"> 1. WH 2. GN 3. YE 4. GY 5. PK 6. RD 7. BK 8. VT 10. BU 11. BN 12. GN/YE
<p>CS*WM..</p>	CKCM 12-11-*/S90 CKCWM 12-11-*/S90	CSCM 12-11-*/S90 CSCWM 12-11-*/S90	TPU Yellow, 11x18 AWG, 90°C, 10 mm OD, Cable #RF50678-*M†, 8-port 1 signal per port, DC Color Code, Cut/Abrasion Immune	<ol style="list-style-type: none"> 1. WH 2. GN 3. YE 4. GY 5. PK 6. RD 7. BK 8. VT 10. BU 11. BN 12. GN/YE

* Length in meters.

Standard cable lengths are 5 and 10 meters. Consult factory for other lengths.

Standard coupling nut material is nickel plated brass.. "CKB(C)M.."; "CKB(C)MV.." indicates stainless steel coupling nut.

† See Section N for *reelfast*® cable information.

** Color Code:

C = DC color code

B = AC color code, standard wiring with LEDs

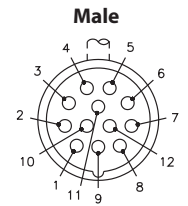


12-Pin Connectors, AC Color Code

- For *eurofast*®, *minifast*®, and *microfast*® Junction Boxes and multi-conductor Applications
- IEC IP67 Protection
- 300 V, 6 A



Connector Style	Male Part Number	Features	Pinout
<p>CSS*M..</p> <p>Non-rotating coupling nut</p>	CSSRM 12-6-* CSSRWM 12-6-*	PVC Black, 6x18 AWG, 105°C, 7.2 mm OD, Cable #RF50551- [†] M [†] , 4-port, flexlife [†]	1. OG 2. BU 4. BK 5. WH 6. RD 7. GN
	CSSRM 12-8-* CSSRWM 12-8-*	PVC Black, 8x18 AWG, 105°C, 10 mm OD, Cable #RF50552- [†] M [†] , 6-port, flexlife	1. OG 2. BU 3. YE 4. BK 5. WH 6. RD 7. GN 8. BN
<p>CSS*WM..</p> <p>Non-rotating coupling nut</p>	CSSRM 12-10-* CSSRWM 12-10-*	PVC Black, 10x18 AWG, 105°C, 10 mm OD, Cable #RF50553- [†] M [†] , 8-port, flexlife	1. VT 2. BU 3. GY 4. BK 5. WH 6. RD 7. GN 8. YE 9. OG 10. BN
	CSSBM 12-7-* CSSBWM 12-7-*	PVC Black, 7x18 AWG, 105°C, 7.2 mm OD, Cable #RF50715- [†] M [†] , 4-port, with LEDs, flexlife	1. WH/BK 2. BK 3. WH 4. RD 5. OG 6. BU 7. GN
	CSSBM 12-11-* CSSBWM 12-11-*	PVC Black, 11x18 AWG, 105°C, 10 mm OD, Cable #RF50716- [†] M [†] , 8-port, with LEDs, flexlife	1. OG 2. BU 3. WH/BK 4. RD/BK 5. GN/BK 6. OG/BK 7. BU/BK 9. GN 10. RD 11. WH 12. BK



Cordsets

* Length in meters.
 Standard cable lengths are 5 and 10 meters. Consult factory for other lengths.
 Standard coupling nut material is nickel plated brass.. "CSSR(B)M..".

[†] See Section N for *reelfast*® cable information.

** Color Code:

- R = AC color code, standard wiring
- B = AC color code, standard wiring with LEDs

12 and 16-Pin Cordsets, AC and NAMUR Color Codes

- For *eurofast*® Junction Boxes and multi-conductor Applications
- IEC IP67 Protection



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>CK*M..</p>	CKRM 12-6-* CKRWM 12-6-*	CSRM 12-6-* CSRWM 12-6-*	PVC Black, 6x18 AWG, 105°C, 300 V, 6 A, 7.2 mm OD, Cable #RF50551-*M†, 4 port, flexlife®	<ol style="list-style-type: none"> OG BU BK WH RD GN <p>Female</p>
	CKRM 12-8-* CKRWM 12-8-*	CSRM 12-8-* CSRWM 12-8-*	PVC Black, 8x18 AWG, 105°C, 300 V, 6 A, 10 mm OD, Cable #RF50552-*M†, 6 port, flexlife	<ol style="list-style-type: none"> OG BU YE BK WH RD GN BN
<p>CK*WM..</p>	CKRM 12-10-* CKRWM 12-10-*	CSRM 12-10-* CSRWM 12-10-*	PVC Black, 10x18 AWG, 105°C, 300 V, 6 A, 10 mm OD, Cable #RF50553-*M†, 8 port flexlife	<p>Male</p> <ol style="list-style-type: none"> VT BU GY BK WH RD GN YE OG BN
	CKNM 12-9-* CKNWM 12-9-*	CSNM 12-9-* CSNWM 12-9-*	PLTC PVC Blue, 9x22 AWG, 105°C, 300 V, 3 A, 6.9 mm OD, Cable #RF50741-*M†, 4 port, Namur, 1 isolated circuit per port or 2 circuits per port with common positive, flexlife	<ol style="list-style-type: none"> BN WH BK GN RD OG BU YE VT
<p>CS*WM..</p>	CKNM 16-16-* CKNWM 16-16-*	CSNM 16-16-* CSNWM 16-16-*	PLTC PVC Blue, 16x22 AWG, 105°C, 300 V, 3 A, 8.3 mm OD, Cable #RF50744-*M†, 4 port, 2 isolated circuits per port, flexlife	<p>Female</p> <ol style="list-style-type: none"> WH BK GN RD OG BU BN YE VT GY PK TN WH/BK WH/GN WH/RD WH/BU <p>Male</p>
	CKNM 16-16-* CKNWM 16-16-*	CSNM 16-16-* CSNWM 16-16-*		

* Length in meters.
 Standard cable lengths are 5 and 10 meters. Consult factory for other lengths.
 Standard coupling nut material is nickel plated brass.. "CKR(N)M.."; "CKR(N)MV.." indicates stainless steel coupling nut.
 † See Section N for *reelfast*® cable information.
 **Color Code:
 R = AC color code, standard wiring
 N = NAMUR color code



12 and 16-Pin Connectors, NAMUR Color Code

- For eurofast® Junction Boxes and multi-conductor Applications
- IEC IP67 Protection



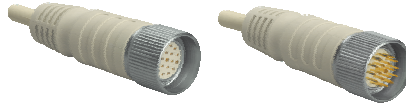
Connector Style	Male Part Number	Features	Pinout
<p>CSSNM ..</p> <p>Non-rotating coupling nut</p>	<p>CSSNM 12-9-* CSSNM 12-9-*</p>	<p>PLTC PVC Blue, 9x22 AWG, 105°C, 300 V, 6 A, 6.9 mm OD, Cable #RF50741-*M†, 4-port, 1 isolated circuit per port or 2 circuits per port with common positive, <i>flexlife</i>®</p>	<p>1. BN 2. WH 3. BK 4. GN 5. RD 6. OG 7. BU 8. YE 9. VT</p> <p>Male</p>
<p>CSSNWM ..</p> <p>Non-rotating coupling nut</p>	<p>CSSNM 16-16-* CSSNWM 16-16-*</p>	<p>PLTC PVC Blue, 16x22 AWG, 105°C, 300 V, 3 A, 8.3 mm OD, Cable #RF50744-*M†, 4-port, Namur, 2 isolated circuits per port, <i>flexlife</i>,</p>	<p>1. WH 2. BK 3. GN 4. RD 5. OG 6. BU 7. BN 8. YE 9. VT 10. GY 11. PK 12. TN 13. WH/BK 14. WH/GN 15. WH/RD 16. WH/BU</p> <p>Male</p>

Cordsets

* Length in meters.
Standard cable lengths are 5 and 10 meters. Consult factory for other lengths.
Standard coupling nut material is nickel plated brass.. "CSSNM..".
† See Section N for **reelfast**® cable information.

19-Pin Washdown Cordsets

- IEC IP67 Protection
- Polypropylene contact holder, mold material and cable jacket



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>WD-CKMV ..</p>	WD-CKMV 19-11-*	WD-CSMV 19-11-*	PP White, 3x18, 8x22 AWG Foil/Drain, 105°C, 150 V, 9 A (6, 12, 19), 2 A (all others), 7.2 mm OD, Cable #RF51371- <i>*M</i> , high chemical solvent resistance, high tensile strength	<ol style="list-style-type: none"> 1. N/C 2. N/C 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. N/C 10. N/C 11. N/C 12. GN/YE 13. N/C 14. BN/GN 15. WH 16. YE 17. N/C 18. N/C 19. BN <p style="text-align: center;">Female</p>
<p>WD-CSMV ..</p>	WD-CKMV 19-19-*	WD-CSMV 19-19-*	PP White, 3x18, 16x22 AWG Foil/Drain, 105°C, 150 V, 9 A (6, 12, 19), 2 A (all others), 7.9 mm OD, Cable #RF51375- <i>*M</i> , high chemical solvent resistance, high tensile strength	<ol style="list-style-type: none"> 1. VT 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. WH/GY 11. BK 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. GY/BN 19. BN <p style="text-align: center;">Male</p>

* Length in meters. Standard cable lengths are 2, 4, 5, 6, 8 and 10 meters. Consult factory for other lengths. Standard coupling nut material is stainless steel.

12 and 19-Pin Push-Pull Cordsets, DC Color Code, Standard Wiring

- Quick Push-Pull Connector
- For eurofast® Junction Boxes and multi-conductor Applications
- IEC IP67 Protection



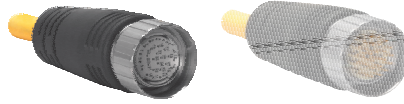
Connector Style	Female Part Number	Features	Pinout
<p>CKMH..</p>	CKMH 12-11-*	ITC/PLTC PVC Yellow, 11x18 AWG, 105°C, 300 V, 6 A, 10.5 mm OD, Cable #RF51088- [†] M, 8 port, 1 signal per port, flexlife*	Female 1. BN 2. N/C 3. BU 4. WH 5. GN 6. YE 7. GY 8. PK 9. RD 10. BK 11. VT 12. GN/YE
	CKMH 12-11-*/S90	TPU Yellow, 11x18 AWG, 90°C, 300 V, 6 A, 10 mm OD, Cable #RF50678- [†] M, 8 port, 1 signal per port, Cut/Abrasion Immune	
	CKMH 19-19-*	PLTC PVC Yellow, 3x18, 16x22 AWG, 105°C, 150 V, 9 A (18 AWG) 2 A (22 AWG), 10.0 mm OD, Cable #RF50620- [†] M, 8 port, 2 signals per port, flexlife	Female 1. VT 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. WH/GY 11. BK 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. GY/BN 19. BN
	CKMH 19-19-*/S90	PLTC TPU Yellow, 3x18, 16x22 AWG, 105°C, 150 V, 9 A (18 AWG) 2 A (22 AWG), 10.4 mm OD, Cable #RF50682- [†] M, 8 port, 2 signals per port, Cut/Abrasion Immune	

Cordsets

* Length in meters.
 Standard cable lengths are 5 and 10 meters. Consult factory for other lengths.
 Standard coupling nut material is nickel plated brass."CKMH..".
[†] See Section N for **reelfast**® cable information.

26 and 28-Pin Cordsets

- For multi-conductor applications
- IEC IP67 Protection
- 150 V, 5 A



Connector Style	Female Part Number	Male Part Number	Features	Pinout
<p>DKM ..</p> <p>DKWM ..</p>	<p>DKM 26-631-* DKWM 26-631-*</p>	<p>DSM 26-631-* DSWM 26-631-*</p>	<p>PVC Yellow, 25x22 AWG, 1x22 AWG drain, 105°C, 10.0 mm OD, Cable #RF50631-*M†, 25-wire DC applications, <i>flexlife</i>®</p>	<p>1. BN 2. WH/GY 3. BU/GY 4. BN/GY 5. BK/YE 6. WH/YE 7. BU/YE 8. BN/YE 9. BK/RD 10. WH/RD 11. BU/RD 12. BN/RD 13. BK 14. WH 15. BU 16. BK/GY 17. BN/OG 18. WH/OG 19. BK/OG 20. BK/GN 21. WH/GN 22. BU/GN 23. BN/GN 24. BU/OG 25. GN/YE 26. N/C</p>
<p>DSM ..</p> <p>DSWM ..</p>	<p>DKM 28-061-* DKWM 28-061-*</p>	<p>DSM 28-061-* DSWM 28-061-*</p>	<p>PVC Yellow, 27x22 AWG, 1x22 AWG drain, 105°C, 10.5 mm OD, Cable #RF51061-*M†, 27-wire DC applications, <i>flexlife</i></p>	<p>1. BN 2. WH/GY 3. BU/GY 4. BN/GY 5. BK/YE 6. WH/YE 7. BU/YE 8. BN/YE 9. BK/RD 10. WH/RD 11. BU/RD 12. BN/RD 13. BK 14. WH 15. BU 16. BK/GY 17. BN/OG 18. WH/OG 19. BK/OG 20. BK/GN 21. WH/GN 22. BU/GN 23. BN/GN 24. BU/OG 25. GN/YE 26. GY 27. OG 28. N/C</p>

* Length in meters.
Standard cable lengths are 5 and 10 meters. Consult factory for other lengths.
Standard coupling nut material is nickel plated brass.. "DKM.."/"DKWM..".
† See Section N for **reelfast**® cable information.

26 and 28-Pin Cordsets

- For multi-conductor applications
- IEC IP67 Protection
- 150 V, 5 A



Connector Style	Male Part Number	Features	Pinout																												
<p>DSSM ..</p> <p>Non-rotating coupling nut</p>	<p>DSSM 26-631-* DSSWM 26-631-*</p>	<p>AWM PVC Yellow, 25x22 AWG, 1x22 AWG drain, 105°C, 10.0 mm OD, Cable #RF50631-[†]M[†], 25-wire DC applications, <i>flexlife</i>[®]</p>	<table border="0"> <tr><td>1. BN</td><td>14. WH</td></tr> <tr><td>2. WH/GY</td><td>15. BU</td></tr> <tr><td>3. BU/GY</td><td>16. BK/GY</td></tr> <tr><td>4. BN/GY</td><td>17. BN/OG</td></tr> <tr><td>5. BK/YE</td><td>18. WH/OG</td></tr> <tr><td>6. WH/YE</td><td>19. BK/OG</td></tr> <tr><td>7. BU/YE</td><td>20. BK/GN</td></tr> <tr><td>8. BN/YE</td><td>21. WH/GN</td></tr> <tr><td>9. BK/RD</td><td>22. BU/GN</td></tr> <tr><td>10. WH/RD</td><td>23. BN/GN</td></tr> <tr><td>11. BU/RD</td><td>24. BU/OG</td></tr> <tr><td>12. BN/RD</td><td>25. GN/YE</td></tr> <tr><td>13. BK</td><td>26. N/C</td></tr> </table>	1. BN	14. WH	2. WH/GY	15. BU	3. BU/GY	16. BK/GY	4. BN/GY	17. BN/OG	5. BK/YE	18. WH/OG	6. WH/YE	19. BK/OG	7. BU/YE	20. BK/GN	8. BN/YE	21. WH/GN	9. BK/RD	22. BU/GN	10. WH/RD	23. BN/GN	11. BU/RD	24. BU/OG	12. BN/RD	25. GN/YE	13. BK	26. N/C		
1. BN	14. WH																														
2. WH/GY	15. BU																														
3. BU/GY	16. BK/GY																														
4. BN/GY	17. BN/OG																														
5. BK/YE	18. WH/OG																														
6. WH/YE	19. BK/OG																														
7. BU/YE	20. BK/GN																														
8. BN/YE	21. WH/GN																														
9. BK/RD	22. BU/GN																														
10. WH/RD	23. BN/GN																														
11. BU/RD	24. BU/OG																														
12. BN/RD	25. GN/YE																														
13. BK	26. N/C																														
<p>DSSWM ..</p> <p>Non-rotating coupling nut</p>	<p>DSSM 28-061-* DSSWM 28-061-*</p>	<p>AWM PVC Yellow, 27x22 AWG, 1x22 AWG drain, 105°C, 10.5 mm OD, Cable #RF51061-[†]M[†], 27-wire DC applications, <i>flexlife</i></p>	<table border="0"> <tr><td>1. BN</td><td>15. BU</td></tr> <tr><td>2. WH/GY</td><td>16. BK/GY</td></tr> <tr><td>3. BU/GY</td><td>17. BN/OG</td></tr> <tr><td>4. BN/GY</td><td>18. WH/OG</td></tr> <tr><td>5. BK/YE</td><td>19. BK/OG</td></tr> <tr><td>6. WH/YE</td><td>20. BK/GN</td></tr> <tr><td>7. BU/YE</td><td>21. WH/GN</td></tr> <tr><td>8. BN/YE</td><td>22. BU/GN</td></tr> <tr><td>9. BK/RD</td><td>23. BN/GN</td></tr> <tr><td>10. WH/RD</td><td>24. BU/OG</td></tr> <tr><td>11. BU/RD</td><td>25. GN/YE</td></tr> <tr><td>12. BN/RD</td><td>26. GY</td></tr> <tr><td>13. BK</td><td>27. OG</td></tr> <tr><td>14. WH</td><td>28. N/C</td></tr> </table>	1. BN	15. BU	2. WH/GY	16. BK/GY	3. BU/GY	17. BN/OG	4. BN/GY	18. WH/OG	5. BK/YE	19. BK/OG	6. WH/YE	20. BK/GN	7. BU/YE	21. WH/GN	8. BN/YE	22. BU/GN	9. BK/RD	23. BN/GN	10. WH/RD	24. BU/OG	11. BU/RD	25. GN/YE	12. BN/RD	26. GY	13. BK	27. OG	14. WH	28. N/C
1. BN	15. BU																														
2. WH/GY	16. BK/GY																														
3. BU/GY	17. BN/OG																														
4. BN/GY	18. WH/OG																														
5. BK/YE	19. BK/OG																														
6. WH/YE	20. BK/GN																														
7. BU/YE	21. WH/GN																														
8. BN/YE	22. BU/GN																														
9. BK/RD	23. BN/GN																														
10. WH/RD	24. BU/OG																														
11. BU/RD	25. GN/YE																														
12. BN/RD	26. GY																														
13. BK	27. OG																														
14. WH	28. N/C																														

* Length in meters.

Standard cable lengths are 5 and 10 meters. Consult factory for other lengths.

Standard coupling material is nickel plated brass.. "DSSM.."/"DSSWM..".

[†] See Section N for *reelfast*[®] cable information.

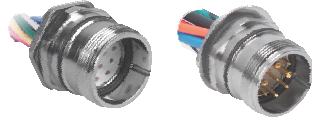
Receptacle Selection Guide

Mounting Style	Image	Panel Thread Types	Page
<p>Front Mount</p>		<p><u>M23</u> <u>H21</u></p> <p><u>M27</u> <u>H31</u></p>	
<p>Rear Mount</p>		<p><u>M23</u> <u>H26</u></p>	

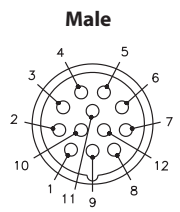
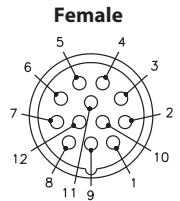


12-Pin Receptacles, Front Mount

- For use with Junction Box Home Run Cables
- IEC IP67 Protection
- 300 V, 6 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>CS(K)F</p> <p>Typical panel cutout is 20.4 x 19 x 20.4 mm</p>	CKF 12-7-*	CSF 12-7-*	Nickel plated brass, 7x18 AWG, 105° C, 4-port, 1 signal per port	<ol style="list-style-type: none"> 1. BN 3. BU 4. WH 6. GN 7. YE 8. GY 12. GN/YE
	CKF 12-9-*	CSF 12-9-*	Nickel plated brass, 9x18 AWG, 105° C, 6-port, 1 signal per port	<ol style="list-style-type: none"> 1. BN 3. BU 4. WH 6. GN 7. YE 8. GY 9. PK 10. RD 12. GN/YE
	CKF 12-11-*	CSF 12-11-*	Nickel plated brass, 11x18 AWG, 105° C, 8-port, 1 signal per port	<ol style="list-style-type: none"> 1. BN 3. BU 4. WH 5. GN 6. YE 7. GY 8. PK 9. RD 10. BK 11. VT 12. GN/YE
	CKF 12-12-*	CSF 12-12-*	Nickel plated brass, 12x18 AWG, 105° C, 8-port, 1 signal per port	<ol style="list-style-type: none"> 1. BN 2. OG 3. BU 4. WH 5. GN 6. YE 7. GY 8. PK 9. RD 10. BK 11. VT 12. GN/YE
	CKF 12-12-*/S817	CSF 12-12-*/S817	Nickel plated brass, 12x18 AWG, 105° C, 8-port, 1 signal per port	<ol style="list-style-type: none"> 1. BN 2. BU 3. WH 4. GN/YE 5. OG 6. YE 7. GY 8. PK 9. RD 10. BN/WH 11. BU/WH 12. GN/WH

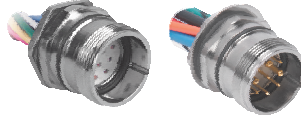


Cordsets

* Length in meters. Standard lead length is 1 meter. Consult factory for other lengths.
 "CSFL .." indicates long mounting threads; "CSFLV .." indicates stainless steel housing with long threads.
 To specify PVC jacketed cable, add "/S717" to the end of the part number.

19-Pin Receptacles, Front Mount

- For use with Junction Box Home Run Cables
- IEC IP67 Protection
- 150 V, 9 A (pins 6, 12, 19), all others 2 A



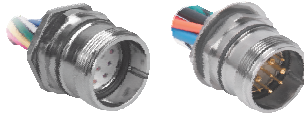
Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>CS(K)F</p> <p>Typical panel cutout is 20.4 x 19 x 20.4 mm</p>	CKF 19-11-*	CSF 19-11-*	Nickel plated brass, 3x18, 8x22 AWG, 105°C, 4-port, 2 signals per port	<ol style="list-style-type: none"> GY RD/BU GN BU GY/PK WH/GN GN/YE BN/GN WH YE BN <p>Female</p>
<p>CS(K)F</p> <p>Typical panel cutout is 20.4 x 19 x 20.4 mm</p>	CKF 19-15-*	CSF 19-15-*	Nickel plated brass,, 3x18, 12x22 AWG, 105°C, 6-port, 2 signals per port	<ol style="list-style-type: none"> RD GY RD/BU GN BU GY/PK WH/GN WH/YE GN/YE YE/BN BN/GN WH YE PK BN <p>Female</p>
<p>CS(K)FL</p> <p>Typical panel cutout is 20.4 x 19 x 20.4 mm</p>	CKF 19-19-*	CSF 19-19-*	Nickel plated brass, 3x18, 16x22 AWG, 105°C, 8-port, 2 signals per port	<ol style="list-style-type: none"> VT RD GY RD/BU GN BU GY/PK WH/GN WH/YE WH/GY BK GN/YE YE/BN BN/GN WH YE PK GY/BN BN <p>Male</p>

* Length in meters. Standard lead length is 1 meter. Consult factory for other lengths.
 "CSFL .." indicates long mounting threads; "CSFLV .." indicates stainless steel housing with long threads.
 To specify PVC jacketed cable, add "/S717" to the end of the part number.



12 and 16-Pin Receptacles, Front Mount

- For use with Junction Box Home Run Cables
- IEC IP67 Protection



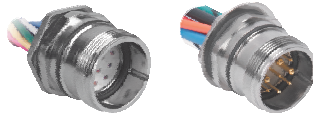
Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>CK(A)(B)F</p> <p>Typical panel cutout is 20.4 x 19 x 20.4 mm</p>	CKAF 16-10-*	CSAF 16-10-*	Nickel plated brass, 10x18 AWG, 105°C, 150 V, 6 A, 4-port, Isolated Power Supply	<ol style="list-style-type: none"> BN BU WH GN/YE OG YE GY BN/WH BU/WH GN/WH <p>Female</p>
	CKAF 16-12-*	CSAF 16-12-*	Nickel plated brass, 12x18 AWG, 105°C, 150 V, 6 A, 6-port, Isolated Power Supply	<ol style="list-style-type: none"> BN BU WH GN/YE OG YE GY PK RD BN/WH BU/WH GN/WH <p>Female</p>
<p>CK(A)(B)FL</p> <p>Typical panel cutout is 20.4 x 19 x 20.4 mm</p>	CKAF 16-14-*	CSAF 16-14-*	Nickel plated brass,, 14x18 AWG, 105°C, 150 V, 6 A, 8-port, Isolated Power Supply	<ol style="list-style-type: none"> BN BU WH GN/YE OG YE GY PK RD BN/WH BU/WH BK VT GN/WH <p>Female</p>
	CKBF 12-7-*	CSBF 12-7-*	Nickel plated brass, 7x18 AWG, 105°C, 300 V, 6 A, 4-port, with LED's	<ol style="list-style-type: none"> WH/BK BK WH RD OG BU GN <p>Female</p>
	CKBF 12-11-*	CSBF 12-11-*	Nickel plated brass, 11x18 AWG, 105°C, 300 V, 6 A, 8-port, with LED's	<ol style="list-style-type: none"> OG BU WH/BK RD/BK GN/BK OG/BK BU/BK GN RD WH BK <p>Female</p>

Cordsets

* Length in meters. Standard lead length is 1 meter. Consult factory for other lengths.
 "CSA(B)FL .." indicates long mounting threads; "CSA(B)FLV .." indicates stainless steel housing with long threads.
 To specify PVC jacketed cable, add "/S717" to the end of the part number.

12-Pin Receptacles, Front Mount

- For use with Junction Box Home Run Cables
- IEC IP67 Protection
- 300 V, 6 A



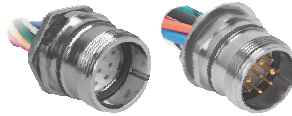
Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>CS(C)(N)F</p> <p>Typical panel cutout is 20.4 x 19 x 20.4 mm</p>	CKCF 12-7-*	CSCF 12-7-*	Nickel plated brass, 7x18 AWG, 105°C, 4-port, 1 signal per port, 4MB12Z-4-*	<ol style="list-style-type: none"> 1. WH 2. GN 3. YE 4. GY 10. BU 11. BN 12. GN/YE <p>Female</p>
<p>CS(C)(N)FL</p> <p>Typical panel cutout is 20.4 x 19 x 20.4 mm.</p>	CKCF 12-11-*	CSCF 12-11-*	Nickel plated brass, 11x18 AWG, 105°C, 8-port, 1 signal per port, 8MB12Z-4-*	<ol style="list-style-type: none"> 1. WH 2. GN 3. YE 4. GY 5. PK 6. RD 7. BK 8. VT 10. BU 11. BN 12. GN/YE <p>Female</p>
	CKNF 12-9-*	CSNF 12-9-*	Nickel plated brass, 9x18 AWG, 105°C, 4-port, 1 isolated circuit per port or 2 circuits per port with common positive	<ol style="list-style-type: none"> 1. BN 2. WH 3. BK 4. GN 5. RD 6. OG 7. BU 8. YE 9. VT <p>Male</p>

* Length in meters. Standard lead length is 1 meter. Consult factory for other lengths.
 "CSC(N or R)FL .." indicates long mounting threads; "CSC(N or R)FLV .." indicates stainless steel housing with long threads.
 To specify PVC jacketed cable, add "/S717" to the end of the part number.



12 and 16-Pin Receptacles, Front Mount

- For use with Junction Box Home Run Cables
- IEC IP67 Protection



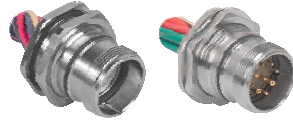
Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>CS(C)(N)(R)F</p> <p>Typical panel cutout is 20.4 x 19 x 20.4 mm.</p>	CKNF 16-16-*	CSNF 16-16-*	Nickel plated brass, 16x22 AWG, 105°C, 300 V, 3 A, 4-port, 2 isolated circuits per port	<p>Female</p> <p>1. WH 2. BK 3. GN 4. RD 5. OG 6. BU 7. BN 8. YE 9. VT 10. GY 11. PK 12. Tn 13. WH/BK 14. WH/GN 15. WH/RD 16. WH/BU</p> <p>Male</p>
<p>CS(C)(N)(R)FL</p> <p>Typical panel cutout is 20.4 x 19 x 20.4 mm.</p>	CKRF 12-6-*	CSRF 12-6-*	Nickel plated brass, 6x18 AWG, 105°C, 300 V, 6 A, 4-port, No LEDs	<p>Female</p> <p>1. OG 2. BU 3. BK 4. WH 5. RD 6. GN</p>
	CKRF 12-8-*	CSRF 12-8-*	Nickel plated brass, 8x18 AWG, 105°C, 300 V, 6 A, 6-port, No LEDs	<p>1. OG 2. BU 3. YE 4. BK 5. WH 6. RD 7. GN 8. BN</p>
	CKRF 12-10-*	CSRF 12-10-*	Nickel plated brass, 10x18 AWG, 105°C, 300 V, 6 A, 8-port, No LEDs	<p>Male</p> <p>1. VT 2. BU 3. GY 4. BK 5. WH 6. RD 7. GN 8. YE 9. OG 10. BN</p>

Receptacles

* Length in meters. Standard lead length is 1 meter. Consult factory for other lengths.
 "CSC(N or R)FL .." indicates long mounting threads; "CSC(N or R)FLV .." indicates stainless steel housing with long threads.
 To specify PVC jacketed cable, add "/S717" to the end of the part number.

12-Pin Receptacles, Rear Mount

- For use with Junction Box Home Run Cables
- IEC IP67 Protection
- 300 V, 6 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>CS(K)FD</p> <p>Typical panel cutout is 25.4 x 24.3x25.4 mm</p>	CKFD 12-7-*	CSFD 12-7-*	Nickel plated brass, 7x18 AWG, 105°C, 4-port, 1 signal per port	<ol style="list-style-type: none"> 1. BN 3. BU 4. WH 6. GN 7. YE 8. GY 12. GN/YE
	CKFD 12-9-*	CSFD 12-9-*	Nickel plated brass, 9x18 AWG, 105°C, 6-port, 1 signal per port	<ol style="list-style-type: none"> 1. BN 3. BU 4. WH 6. GN 7. YE 8. GY 9. PK 10. RD 12. GN/YE <p>Female</p>
	CKFD 12-11-*	CSFD 12-11-*	Nickel plated brass,, 11x18 AWG, 105°C, 8-port, 1 signal per port	<ol style="list-style-type: none"> 1. BN 3. BU 4. WH 5. GN 6. YE 7. GY 8. PK 9. RD 10. BK 11. VT 12. GN/YE
	CKFD 12-12-*	CSFD 12-12-*	Nickel plated brass, 12x18 AWG, 105°C, 8-port, 1 signal per port	<ol style="list-style-type: none"> 1. BN 2. OG 3. BU 4. WH 5. GN 6. YE 7. GY 8. PK 9. RD 10. BK 11. VT 12. GN/YE <p>Male</p>
	CKFD 12-12-*/S817	CSFD 12-12-*/S817	Nickel plated brass, 12x18 AWG, 105°C, 8-port, 1 signal per port	<ol style="list-style-type: none"> 1. BN 2. BU 3. WH 4. GN/YE 5. OG 6. YE 7. GY 8. PK 9. RD 10. BN/WH 11. BU/WH 12. GN/WH

* Length in meters. Standard lead length is 1 meter. Consult factory for other lengths. To specify PVC jacketed cable, add "/S717" to the end of the part number.



19-Pin Receptacles, Rear Mount

- For use with Junction Box Home Run Cables
- IEC IP67 Protection
- 150 V, 9 A (pins 6, 12, 19), All others 2 A



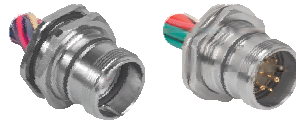
Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>CS(K)FD</p> <p>Typical panel cutout is 25.4 x 24.3x25.4 mm</p>	CKFD 19-11-*	CSFD 19-11-*	Nickel plated brass, 3x18, 8x22 AWG, 105°C, 4-port, 2 signals per port	<p>Female</p> <p>3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 12. GN/YE 14. BN/GN 15. WH 16. YE 19. BN</p>
	CKFD 19-15-*	CSFD 19-15-*	Nickel plated brass, 3x18, 12x22 AWG, 105°C, 6-port, 2 signals per port	<p>2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 19. BN</p>
	CKFD 19-19-*	CSFD 19-19-*	Nickel plated brass,, 3x18, 16x22 AWG, 105°C, 8-port, 2 signals per port	<p>Male</p> <p>1. VT 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. WH/GY 11. BK 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. GY/BN 19. BN</p>

Cordsets

* Length in meters. Standard lead length is 1 meter. Consult factory for other lengths. To specify PVC jacketed cable, add "/S717" to the end of the part number.

16-Pin Receptacles, Rear Mount

- For use with Junction Box Home Run Cables
- IEC IP67 Protection
- 150 V, 6 A



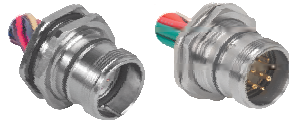
Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>CS(K)FD</p> <p>Typical panel cutout is 25.4 x 24.3x25.4 mm</p>	CKAFD 16-10-*	CSAFD 16-10-*	Nickel plated brass, 10x18 AWG, 105°C, 4-port, Isolated Power Supply	1. BN 3. BU 4. WH 5. GN/YE 6. OG 7. YE 8. GY 11. BN/WH 13. BU/WH 15. GN/WH <p>Female</p>
	CKAFD 16-12-*	CSAFD 16-12-*	Nickel plated brass 12x18 AWG, 105°C, 6-port, Isolated Power Supply	1. BN 3. BU 4. WH 5. GN/YE 6. OG 7. YE 8. GY 9. PK 10. RD 11. BN/WH 13. BU/WH 15. GN/WH <p>Female</p>
	CKAFD 16-14-*	CSAFD 16-14-*	Nickel plated brass, 14x18 AWG, 105°C, 8-port, Isolated Power Supply	1. BN 3. BU 4. WH 5. GN/YE 6. OG 7. YE 8. GY 9. PK 10. RD 11. BN/WH 12. BK 13. BU/WH 14. VT 15. GN/WH <p>Male</p>

* Length in meters. Standard lead length is 1 meter. Consult factory for other lengths. To specify PVC jacketed cable, add "/S717" to the end of the part number.



12-Pin Receptacles, Rear Mount

- For use with Junction Box Home Run Cables
- IEC IP67 Protection
- 300 V, 6 A



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>CS(K)FD</p> <p>Typical panel cutout is 25.4 x 24.3x25.4 mm</p>	CKBFD 12-7-*	CSBFD 12-7-*	Nickel plated brass, 7x18 AWG, 105°C, 4-port, with LEDs	<ol style="list-style-type: none"> 1. WH/BK 2. BK 3. WH 4. RD 5. OG 6. BU 7. GN <p>Female</p>
	CKBFD 12-11-*	CSBFD 12-11-*	Nickel plated brass, 11x18 AWG, 105°C, 8-port, with LEDs	<ol style="list-style-type: none"> 1. OG 2. BU 3. WH/BK 4. RD/BK 5. GN/BK 6. OG/BK 7. BU/BK 9. GN 10. RD 11. WH 12. BK
	CKCFD 12-7-*	CSCFD 12-7-*	Nickel plated brass, 7x18 AWG, 105°C, 4-port, 1 signal per port	<ol style="list-style-type: none"> 1. WH 2. GN 3. YE 4. GY 10. BU 11. BN 12. GN/YE <p>Male</p>
	CKCFD 12-11-*	CSCFD 12-11-*	Nickel plated brass, 11x18 AWG, 105°C, 8-port, 1 signal per port	<ol style="list-style-type: none"> 1. WH 2. GN 3. YE 4. GY 5. PK 6. RD 7. BK 8. VT 10. BU 11. BN 12. GN/YE

Cordsets

* Length in meters. Standard lead length is 1 meter. Consult factory for other lengths. To specify PVC jacketed cable, add "/S717" to the end of the part number.

12 and 16-Pin Receptacles, Rear Mount

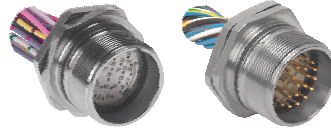
- For use with Junction Box Home Run Cables
- IEC IP67 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>CS(K)FD</p> <p>Typical panel cutout is 25.4 x 24.3x25.4 mm</p>	CKNFD 12-9-*	CSNFD 12-9-*	Nickel plated brass, 9x22 AWG, 105°C, 300 V, 6 A, 4-port, 1 Isolated Circuits Per Port, 2 Circuits Per Port, with Common Positive	<p>Female</p> <p>Male</p>
	CKNFD 16-16-*	CSNFD 16-16-*	Nickel plated brass, 16x22 AWG, 105°C, 300 V, 3 A, 4-port, 2 Isolated Circuits Per Port	<p>Female</p> <p>Male</p>
	CKRFD 12-6-*	CSRFD 12-6-*	Nickel plated brass, 6x18 AWG, 105°C, 300 V, 6 A, 4-port, No LEDs	<p>Female</p>
	CKRFD 12-8-*	CSRFD 12-8-*	Nickel plated brass, 8x18 AWG, 105°C, 300 V, 6 A, 6-port, No LEDs	<p>Female</p>
	CKRFD 12-10-*	CSRFD 12-10-*	Nickel plated brass, 10x18 AWG, 105°C, 300 V, 6 A, 8-port, No LEDs	<p>Male</p>

26 and 28-Pin Receptacles, Front Mount

- For use with Junction Box Home Run Cables
- IEC IP65 Protection



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>DS(K)F</p> <p>Typical panel cutout is 28.3 mm</p>	DKF 26-25-*	DSF 26-25-*	PVC Yellow, 25x22 AWG, 105°C, 8.0 mm OD, 150 V, 5.0 A, 25-wire applications	<ol style="list-style-type: none"> BN WH/GY BU/GY BN/GY BK/YE WH/YE BU/YE BN/YE BK/RD WH/RD BU/RD BN/RD BK WH BU BK/GY BN/OG WH/OG BK/OG BK/GN WH/GN BU/GN BN/GN BU/OG GN/YE N/C
	DKF 28-27-*	DSF 28-27-*	PVC Yellow, 27x22 AWG, 105°C, 8.0 mm OD, 60 V, 3.0 A, 27-wire applications	<ol style="list-style-type: none"> BN WH/GY BU/GY BN/GY BK/YE WH/YE BU/YE BN/YE BK/RD WH/RD BU/RD BN/RD BK WH BU BK/GY BN/OG WH/OG BK/OG BK/GN WH/GN BU/GN BN/GN BU/OG GN/YE GY OG N/C

Cordsets

* Length in meters. Standard lead length is 1 meter. Consult factory for other lengths. To specify PVC jacketed cable, add "/S717" to the end of the part number.

12, 16 and 19-Pin multifast® Field Wireable In-line Connectors

- For Use with Custom Wiring & Junction Boxes
- Convert Hard Wiring into Quick Disconnect
- IEC IP65 Protection



Housing Style	Female Part Number	Features	Pinout
	CK 12-0	Nickel plated brass, PG 11 cable gland, accepts 4-10 mm cable diameter, accepts up to 12x18 AWG conductors, 125°C, 300 V, 8.0 A, field wireable 12-pin in-line connector, for use with <i>minifast</i> ®, <i>eurofast</i> ® (single input per port) and <i>microfast</i> ® junctions boxes	<p>Female</p>
	CK 16-0	Nickel plated brass, PG 13.5 cable gland, accepts 5-12 mm cable diameter, accepts up to 16x18 AWG conductors, 125°C, 150 V, 8.0 A, field wireable 16-pin in-line connector, for use with <i>eurofast</i> ® (isolated power supply) junctions boxes	<p>Female</p>
	CK 19-0	Nickel plated brass, PG 13.5 cable gland, accepts 5-12 mm cable diameter, accepts up to 19x18 AWG conductors, 125°C, 150 V, 8.0 A, field wireable 19-pin in-line connector, for use with <i>eurofast</i> ® (two Signals per port) junctions boxes	<p>Female</p>
	CK 125-0	Nickel plated brass, IAC, accepts 3-10 mm cable diameter accepts up to 12x18 AWG conductors, 125°C, 150 V, 8.0 A, field wireable 12-pin in-line connector	<p>Female</p>

12, 16 and 19-Pin Field Wireable In-line Connectors

- For Use with Custom Wiring & Junction Boxes
- Convert Hard Wiring into Quick Disconnect
- IEC IP65 Protection

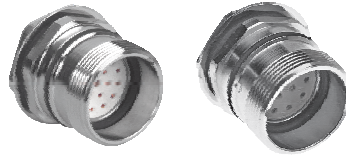


Housing Style	Male Part Number	Features	Pinout
<p>CSS..</p> <p>Non-rotating coupling nut</p>	CSS 12-0	Nickel plated brass, PG 13.5 cable gland, accepts 5-12 mm cable diameter, accepts up to 12x18 AWG conductor, 125°C, 300 V, 8.0 A, field wireable 12-pin in-line connector, for use with <i>minifast</i> ®, <i>eurofast</i> ® (single input per port) and <i>microfast</i> ® junctions boxes	<p>Male</p>
	CS 12-0	Nickel plated brass, PG 11 cable gland, accepts 4-10 mm cable diameter, accepts up to 12x18 AWG conductor, 125°C, 300 V, 8.0 A, field wireable 12-pin in-line connector, for use with <i>minifast</i> ®, <i>eurofast</i> ® (single input per port) and <i>microfast</i> ® junctions boxes	
<p>CS..</p>	CSS 16-0 CS 16-0	Nickel plated brass, PG 13.5 cable gland, accepts 5-12 mm cable diameter, accepts up to 16x18 AWG conductor, 125°C, 150 V, 8.0 A, field wireable 16-pin in-line connector, for use with <i>eurofast</i> ® (isolated power supply) junctions boxes	<p>Male</p>
	CSS 19-0 CS 19-0	Nickel plated brass, PG 13.5 cable gland, accepts 5-12 mm cable diameter, accepts up to 19x18 AWG conductor, 125°C, 150 V, 8.0 A, field wireable 19-pin in-line connector, for use with <i>eurofast</i> ® (two signals per port) junctions boxes	<p>Male</p>
	CSS 125-0 CS 125-0	Nickel plated brass, IAC, accepts 3-10 mm cable diameter, accepts up to 12x18 AWG conductor, 125°C, 150 V, 8.0 A, field wireable 12-pin in-line connector	<p>Male</p>

Field Wireables

12, 16 and 19-Pin Field Wireable, Front Mount

- For Use with Custom Wiring & Junction Boxes
- Convert Hard Wiring into Quick Disconnect
- IEC IP65 Protection



Housing Style	Female Part Number	Features	Pinout	
<p>CKF(S) ..</p>	<p>CKF 12-0 CKFL 12-0</p>	<p>Nickel plated brass, accepts up to 12x18 AWG conductor, 125°C, 300 V, 8.0 A, field wireable 12-pin receptacle, for use with <i>minifast</i>®, <i>eurofast</i>® (single input per port) and <i>microfast</i>® junctions boxes</p>	<p>Female</p>	
	<p>CKF 16-0 CKFL 16-0</p>	<p>Nickel plated brass, accepts up to 16x18 AWG conductor, 125°C, 150 V, 8.0 A, field wireable 16-pin receptacle, for use with <i>eurofast</i> (isolated power supply) junctions boxes</p>	<p>Female</p>	
	<p>CKF 19-0 CKFL 19-0</p>	<p>Nickel plated brass, accepts up to 19x18 AWG conductor, 125°C, 150 V, 8.0 A, field wireable 19-pin receptacle, for use with <i>eurofast</i> (two signals per port) junctions boxes</p>	<p>Female</p>	
	<p>CKF(S)L</p>	<p>CSF 12-0 CSFL 12-0</p>	<p>Nickel plated brass, accepts up to 12x18 AWG conductor, 125°C, 300 V, 8.0 A, field wireable 12-pin receptacle, for use with <i>minifast</i>®, <i>eurofast</i>® (single input per port) and <i>microfast</i>® junctions boxes</p>	<p>Male</p>
		<p>CSF 16-0 CSFL 16-0</p>	<p>Nickel plated brass, accepts up to 16x18 AWG conductor, 125°C, 150 V, 8.0 A, field wireable 16-pin receptacle, for use with <i>eurofast</i> (isolated power supply) junctions boxes</p>	<p>Male</p>
		<p>CSF 19-0 CSFL 19-0</p>	<p>Nickel plated brass, accepts up to 19x18 AWG conductor, 125°C, 150 V, 8.0 A, field wireable 19-pin receptacle, for use with <i>eurofast</i> (two signals per port) junctions boxes</p>	<p>Male</p>

12, 16 and 19-Pin Field Wireable Receptacles, Rear Mount

- For Use with Custom Wiring & Junction Boxes
- Convert Hard Wiring into Quick Disconnect
- IEC IP65 Protection



Housing Style	Female Part Number	Features	Pinout
<p>CKFD ..</p>	CKFD 12-0	Nickel plated brass, accepts up to 12x18 AWG conductor, 125°C, 300 V, 8.0 A, field wireable 12-pin receptacle, for use with <i>minifast</i> ®, <i>eurofast</i> ® (single input per port) and <i>microfast</i> ® junctions boxes	<p>Female</p>
	CKFD 16-0	Nickel plated brass, accepts up to 16x18 AWG conductor, 125°C, 150 V, 8.0 A, field wireable 16-pin receptacle, for use with <i>eurofast</i> (isolated power supply) junctions boxes	<p>Female</p>
	CKFD 19-0	Nickel plated brass, accepts up to 19x18 AWG conductor, 125°C, 150 V, 8.0 A, field wireable 19-pin receptacle, for use with <i>eurofast</i> (two signals per port) junctions boxes	<p>Female</p>

Field Wireables

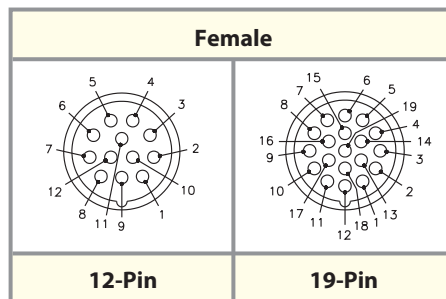
Conduit Adapters, 1 Port

- Attaches to Standard Crouse-Hinds 3/4" Form 8, Mark 9 Conduit Bodies for Transition to 12 and 19-Pin multifast Connectors
- Gasket and 8-32 x 1/2 Mounting Screws Included
- IP67 Protection (only when all receptacles are mated or covered with plugs)
- Terminal Strips Accept Up to 14 AWG Wires



Housing Style	Part Number	Features	Wiring Diagram
	CA-1/CK 12	Nylon housing, nickel plated brass receptacle housing, 80°C, 300 V, 4 A, attaches to standard conduit body for transition to 12-pin multifast connector	
	CA-1/CKV 12	Nylon housing, stainless steel receptacle housing 80°C, 300 V, 4 A, Attaches to standard conduit body for transition to 12-pin multifast connector	
	CA-1/CK 19	Nylon housing, nickel plated brass receptacle housing, 80°C, 150 V, 4 A, attaches to standard conduit body for transition to 19-pin multifast connector	
	CA-1/CKV 19	Nylon housing, stainless steel receptacle housing, 80°C, 150 V, 4 A, attaches to standard conduit body for transition to 19-pin multifast connector	

Pinouts



Accessories

- Field Wireable Assembly Tools
- Closure Caps

Housing Style	Part Number	Features
	CK-T00L	Tool to aid assembly of all M23 multifast field wireables with female threads
	CKF-T00L	Tool to aid assembly of all M23 multifast field wireables with male threads
	CS-CC	Nickel plated brass Neoprene gasket, closure caps for multifast cordset connectors
	CK-CC	Nickel plated brass Neoprene gasket, closure caps for multifast receptacles (CSF and CKF) and CSS cordset connectors

Accessories

Application Considerations

Installation Guidelines

TURCK's powerfast™ products are easy to install by following a few simple guidelines:

- It is important to know the electrical requirements of the application and to select a cordset that has the proper amperage and voltage ratings for the application.
- Cables must be supported to prevent movement on the equipment. Per NFPA 79, the cable must be supported every 12 inches in a non-vertical run, every 36 inches in a vertical run and every 18 inches when suspended in air. The cable should also be supported at any connection points or terminations.

Note: Consult NFPA 79 (Electrical Standard for Industrial Machinery) for required over current protection of conductors and other selection and installation guidelines for industrial machine applications.

- The cordsets are not intended for disconnection under load. TURCK offers **powerlok** fittings that prevent the possibility of disconnection. These fittings are not required for use, but can be used as a precautionary measure.
- Power should never be supplied from the male connector. The source of power should always be supplied from the female connector.
- Use TURCK closure caps to protect connectors from damage or dirt when not connected.

Cable Options

TURCK offers multiple cable options for the **powerfast** products. The majority of TURCK's **powerfast** products use cables that carry a tray rated, exposed run (TC-ER) approval. Select TURCK **powerfast** products may carry an additional STOOW cable approval, although versions that carry the STOOW and TC-ER approval are also available as TC-ER only.

Both the STOOW/TC-ER cable and the TC-ER only cable version are premium cable offerings, however, the TC-ER only version has a slightly reduced cable outer diameter. This feature offers more flexibility and is a more cost effective solution. This cable option can be designated by adding a "/S4000" to the end of the part description where applicable.

Estimated hp ratings for D-Size powerfast

(Based on 85% motor efficiency and 90% power factor.)

Single Phase (2 Current Carrying Conductors)				
Pin Count	AWG	Current (amps)	Voltage (volts)	Power (hp)
3-pin	10 AWG	30	230	7
			460	14
			575	17
	12 AWG	25	230	5
			460	11
			575	14
	14 AWG	18	230	4
			460	8
			575	10

Three Phase (3 Current Carrying Conductors)				
Pin Count	AWG	Current (amps)	Voltage (volts)	Power (hp)
4-pin	10 AWG	25	230	10
			460	20
			575	25
	12 AWG	20	230	8
			460	16
			575	20
	14 AWG	15	230	6
			460	12
			575	15

Note: These tables are theoretical values and are for reference only. Values will vary based on load conditions, as well as condition, age and type of motor. Please consult a qualified electrician for specific product sizing requirements. Current limits for conductor gauge size taken from NFPA 79 2007 edition.

Part Number Keys	J2
Cordset and Receptacle Specifications	J3
Cordset and Receptacle Selection Matrix	J3
Cordset and Receptacle Dimensions	J4
Cordset and Receptacle Pinouts	J4
Closure Caps	J5
powerlok Accessories	J6

Features

- Ideal for small motor applications
- 3 and 4-pin
- 14 AWG conductors
- Up to 15 Amp, 600 Volt rated
- Dual rated TC-ER and ST00W PVC cable
- "/S4000" TC-ER only PVC cable option available
- NEMA 1,3,4,6P protection
- IEC IP67 protection

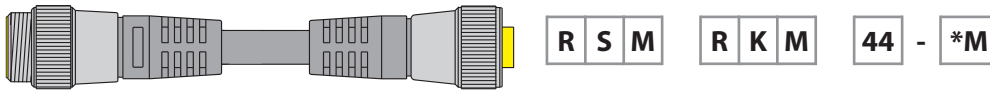


A-Size 7/8" powerfast Cordset Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.

R	K	M	34	-	*M	/S..
A-Size 7/8" powerfast Cordset R = straight W = right angle			Varieties (blank) = TC-ER STOOW PVC cable jacket /S4000 = TC-ER PVC cable jacket /S.. = consult factory, special /CS.. = consult factory, special			
Gender K = female connector, female threads S = male connector, male threads Y = male connector, female threads			Length in Meters			
Coupling Nut Material (blank) = nylon M = nickel plated brass V = 316 stainless steel (hex)			Number of Wires / AWG / Color Codes 34 = 3x14 AWG GN, BK, WH 44 = 4x14 AWG BK, WH, RD, GN			
Insertion Point of Extension Cable 2nd Prefix*						
* Male connector listed 1st, female connector 2nd Example: RSM RKM 44-2M						

Extension Example:



A-Size 7/8" powerfast Receptacle Part Number Key

R	K	F	V	34	-	*M	/NPT	/S..
A-Size 7/8" powerfast Receptacle				Varieties /S.. = consult factory, special /CS.. = consult factory, special				
Gender K = female connector, female threads S = male connector, male threads X = female connector, male threads				Connection Thread /NPT = ½-14 NPT threads				
Designator for Receptacle				Length in Meters				
Housing Material (blank) = nickel plated brass K = nylon V = 316 stainless steel				Number of Wires / AWG / Color Codes 34 = 3x14 AWG GN, BK, WH 44 = 4x14 AWG BK, WH, RD, GN				

A-Size 7/8" powerfast Cordset Specifications

Mechanical		Electrical	
Mold material/Color:	PUR/Black	Contact material:	Brass or copper with gold plating
Contact carrier material:	PUR	Cable jacket material/Color:	Standard: TC-ER STOOW PVC/Black Additional options: TC-ER PVC/Black (/S4000 version)
Coupling nut material:		Ratings:	15 Amps, 600 VAC
Standard:	Nickel plated brass		
Additional options:	Nylon 316 stainless steel		
Environmental protection:	NEMA 1, 3, 4, 6P and IEC IP67		
Temperature rating:	-40 to +90°C (-40 to +194°F)		



A-Size 7/8" powerfast Receptacle Specifications

Mechanical		Electrical	
Contact carrier material:	PUR	Contact material:	Brass or copper with gold plating
Housing material/Plating:		Conductor insulation:	PVC
Standard:	Nickel plated brass	Ratings:	15 Amps, 600 VAC
Additional options:	Nylon 316 stainless steel		
Environmental protection:	NEMA 1, 3, 4, 6P and IEC IP67		
Temperature rating:	-40 to +105°C (-40 to +221°F)		



A-Size 7/8" powerfast Cordset Selection Matrix

			1	2	3	4
			Straight Female	Straight Male	Right Angle Female	Right Angle Male
Pins	AWG	Current Rating	TC-ER STOOW	TC-ER STOOW	TC-ER STOOW	TC-ER STOOW
3	14	15	RKM 34-*M	RSM 34-*M		
4	14	15	RKM 44-*M	RSM 44-*M		

Pins	AWG	Current Rating	TC-ER	TC-ER	TC-ER	TC-ER
3	14	15	RKM 34-*M/S4000	RSM 34-*M/S4000	WKM 34-*M/S4000	WSM 34-*M/S4000
4	14	15	RKM 44-*M/S4000	RSM 44-*M/S4000	WKM 44-*M/S4000	WSM 44-*M/S4000

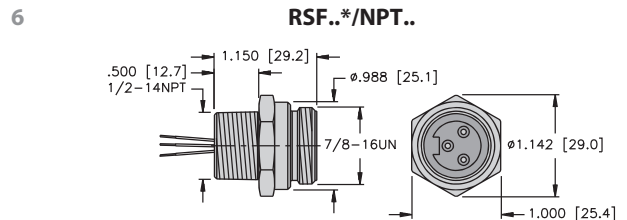
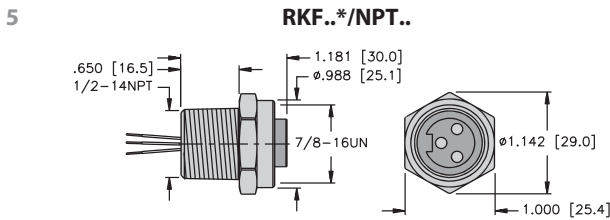
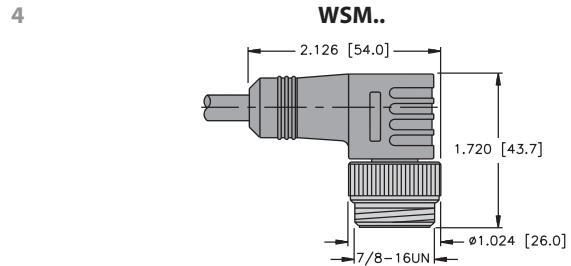
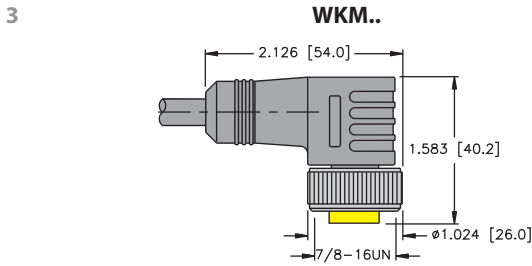
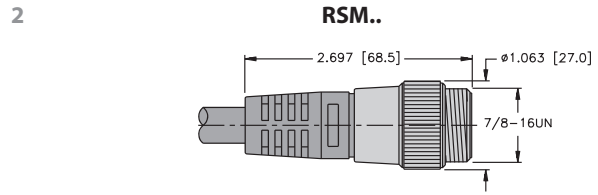
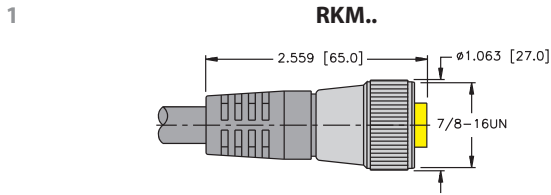
A-Size 7/8" powerfast

A-Size 7/8" powerfast Receptacle Selection Matrix

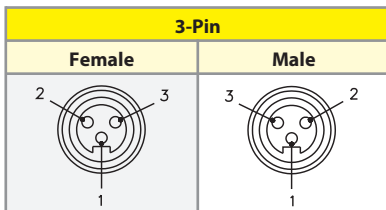
Front Mount			5	6
			Female	Male
Pins	AWG	Current Rating	1/2-14NPT Mounting Thread	1/2-14NPT Mounting Thread
3	14	15	RKF 34-*M/NPT	RSF 34-*M/NPT
4	14	15	RKF 44-*M/NPT	RSF 44-*M/NPT

See page 6 for dimensional drawings.
 * Length in meters. Standard cable lengths are 2, 5 and 10 meters. Standard lead length is 0.5 meters. Consult factory for other lengths.
Note: Extension cables are available, please consult Part Number Key (page 4).
 Standard coupling nut material is nickel plated brass. Consult Part Number Key (page 4) for nylon and 316 stainless steel options.

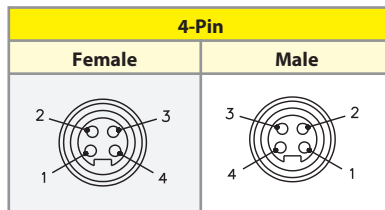
A-Size 7/8" powerfast Cordset and Receptacle Dimensions



A-Size 7/8" powerfast Cordset and Receptacle Pinouts



Pinouts
1. GN 2. BK 3. WH



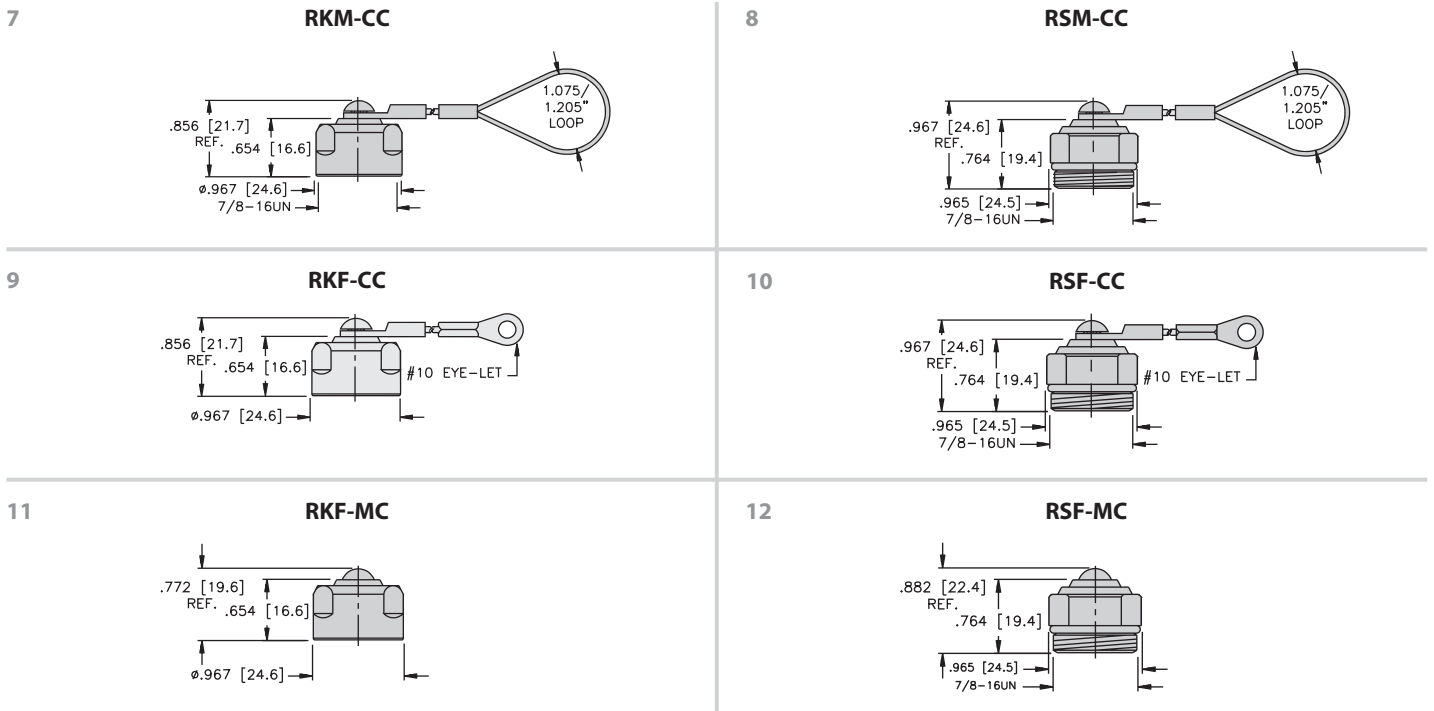
Pinouts
1. BK 2. WH 3. RD 4. GN

A-Size 7/8" powerfast Closure Cap Selection Matrix

Material	Thread	7	8	9	10	11	12
		Mates to male cordsets and receptacles	Mates to female cordsets and receptacles	Mates to male receptacles	Mates to female receptacles	Mates to male cordsets and receptacles	Mates to female cordsets and receptacles
		6" SS Loop Lanyard	6" SS Loop Lanyard	6" SS Lanyard with Eyelet	6" SS Lanyard with Eyelet	No Lanyard	No Lanyard
Nickel Plated Brass	7/8-16UN	RKM-CC	RSM-CC	RKF-CC	RSF-CC	RKF-MC	RSF-MC
Stainless Steel	7/8-16UN	RKMV-CC	RSMV-CC	RKFV-CC	RSFV-CC	RKFV-MC	RSFV-MC

See table below for dimensional drawings.

A-Size 7/8" powerfast Closure Cap Dimensions



A-Size 7/8" powerfast

A-Size 7/8" *powerlok*

Part Number	Application
LOCK-A POWER	Nylon locking guard for straight A-Size <i>powerfast</i> connectors



A-Size *powerlok* Open



A-Size *powerlok* Closed

Part Number Keys	J8
Cordset, Receptacle and Field Wireable Specifications	J10
Cordset, Receptacle and Field Wireable Selection Matrix	J11
Cordset, Receptacle and Field Wireable Dimensions	J13
Cordset, Receptacle and Field Wireable Pinouts	J14
Tee Specifications	J14
Tee Selection Matrix	J15
Power Reducer Specifications	J21
Power Reducer Selection Matrix	J21
Tee and Power Reducer Dimensions	J21
Tee and Power Reducer Wiring Diagrams	J22
Tee and Power Reducer Pinouts	J23
Closure Caps	J24
<i>powerlok</i> Accessories	J24

Features

- Ideal for a complete power distribution system
- Tee configurations utilize other *powerfast* family connectors
- 3 and 4-pin
- 10-14 AWG conductors
- Up to 30 Amp, 600 Volt rated
- Dual rated TC-ER and ST00W PVC cable
- "/S4000" TC-ER only PVC cable option available
- NEMA 1,3,4,6P protection
- IEC IP67, IP68, IP69K protection

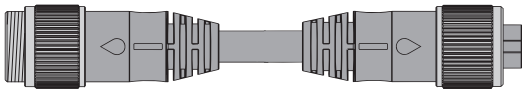


D-Size 1 3/8" powerfast Cordset Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.

D-Size 1 3/8" powerfast Cordset	G	S	D	M	30	-	*M	
Gender								Varieties
K = female connector, female threads S = male connector, male threads								(blank) = TC-ER STOOW PVC cable jacket /S4000 = TC-ER PVC cable jacket
D-Size Power								Length in Meters
Configuration								Number of Wires / AWG / Color Codes
(blank) = straight W = right angle								30 = 3x10 AWG BK, GN, WH 32 = 3x12 AWG BK, GN, WH 34 = 3x14 AWG BK, GN, WH 40 = 4x10 AWG BK, GN, RD, WH 42 = 4x12 AWG BK, GN, RD, WH 44 = 4x14 AWG BK, GN, RD, WH
Coupling Nut Material								Insertion Point of Extension Cable 2nd Prefix*
A = anodized aluminum M = nickel plated brass V = 316 stainless steel								* Male connector listed 1st, female connector 2nd Example: GSDM GKDM 30-1M

Extension Example:



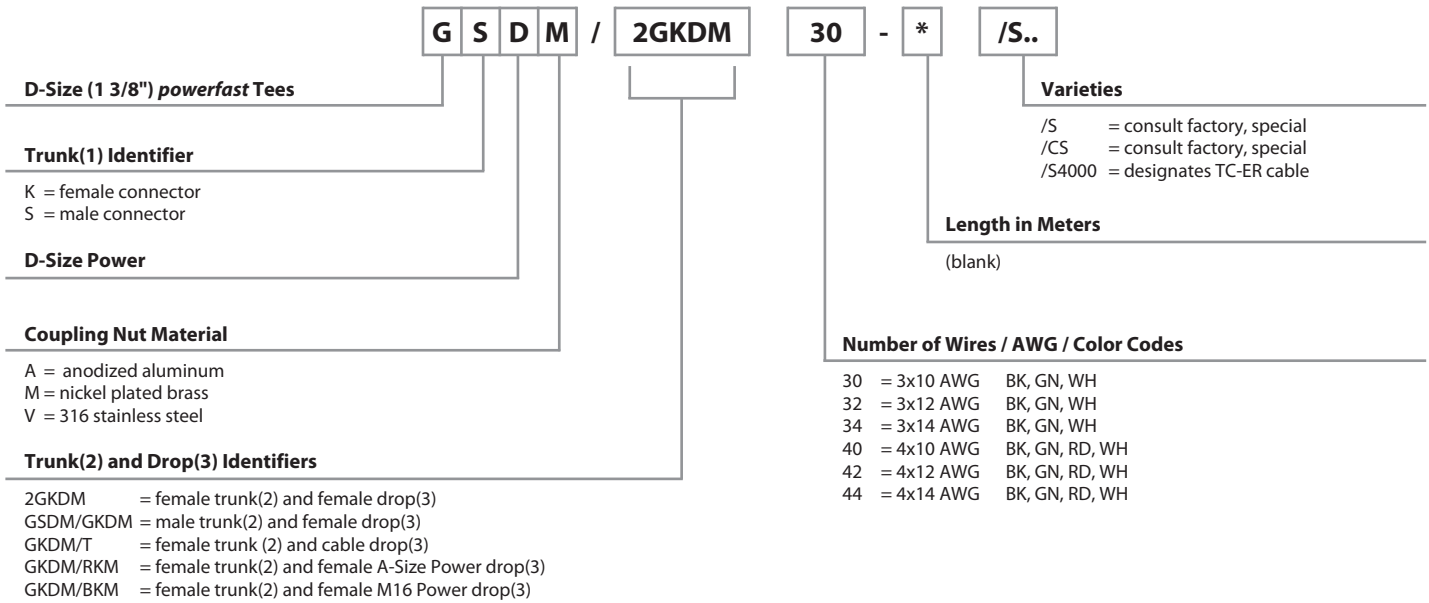
G S D M **G K D M** **30** - ***M**

D-Size 1 3/8" powerfast Receptacle Part Number Key

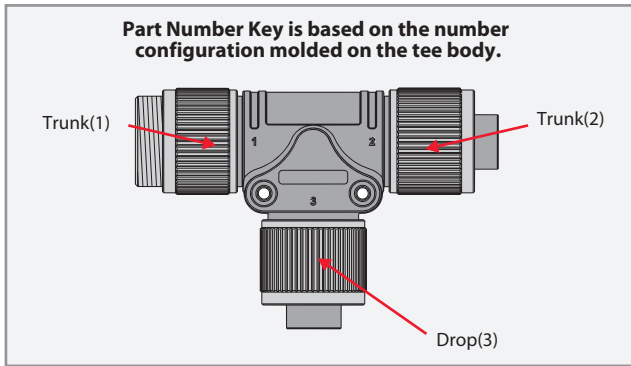
D-Size 1 3/8" powerfast Receptacle	G	K	D	F	30	-	*M	/14.5/NPT
Gender								Thread Type
K = female connector, female threads S = male connector, male threads								/14.5/NPT = 1/2-14 NPT /14.75/NPT = 3/4-14 NPT
D-Size Power								Length in Meters
Designator for Receptacle								Number of Wires / AWG / Color Codes
Housing Material								30 = 3x10 AWG BK, GN, WH 32 = 3x12 AWG BK, GN, WH 34 = 3x14 AWG BK, GN, WH 40 = 4x10 AWG BK, GN, RD, WH 42 = 4x12 AWG BK, GN, RD, WH 44 = 4x14 AWG BK, GN, RD, WH
(blank) = nickel plated brass A = anodized aluminum V = 316 stainless steel								

D-Size 1 3/8" powerfast Tee Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



Note: Only one male connector per tee available.
 Standard female coupling nut material for A-Size Power drop and M16 Power drop is nickel plated brass.



Tee Examples:

G S D M / 2 G K D M 30

G S D M / G K D M / R K M 44 - *

D-Size 1 3/8" powerfast Cordset Specifications**Mechanical**

Mold material/Color:	PVC/Black
Contact carrier material:	PVC
Coupling nut material:	
Standard:	Nickel plated brass
Additional options:	Anodized aluminum 316 stainless steel
Environmental protection:	NEMA 1, 3, 4, 6P and IEC IP67, IP68, IP69K
Temperature rating:	-40 to +90°C (-40 to +194°F)

Electrical

Contact material:	Brass or copper with gold plating
Cable jacket material/Color:	
Standard:	TC-ER STOOW PVC/Black
Additional options:	TC-ER PVC/Black (/S4000 version)
Ratings:	15-30 Amps, 600 VAC

**D-Size 1 3/8" powerfast Receptacle Specifications****Mechanical**

Contact carrier material:	PVC
Housing material/Plating:	
Standard:	Nickel plated brass
Additional options:	Anodized aluminum 316 stainless steel
Environmental protection:	NEMA 1, 3, 4, 6P and IEC IP67, IP68, IP69K
Temperature rating:	-40 to +105°C (-40 to +221°F)

Electrical

Contact material:	Brass or copper with gold plating
Conductor insulation:	PVC
Ratings:	15-30 Amps, 600 VAC





**D-Size 1 3/8" powerfast Field Wireable Specifications****Mechanical**

Housing material/Color:	Nylon/Black
Contact carrier material:	PVC
Coupling nut material:	
Standard:	Nickel plated brass
Additional options:	Anodized aluminum 316 stainless steel
Environmental protection:	NEMA 6P and IEC IP67
Temperature rating:	-40 to +90°C (-40 to +194°F)

Electrical

Contact material:	Brass or copper with gold plating
Ratings:	Up to 30 Amps, 600 VAC

D-Size 1 3/8" powerfast Cordset Selection Matrix

			1 	2 	3 	4 
			Straight Female	Straight Male	Right Angle Female	Right Angle Male
Pins	AWG	Current Rating	TC-ER STOOW	TC-ER STOOW	TC-ER STOOW	TC-ER STOOW
3	10	30 Amps	GKDM 30-*M	GSDM 30-*M	GKDWM 30-*M	GSDWM 30-*M
	12	25 Amps	GKDM 32-*M	GSDM 32-*M	GKDWM 32-*M	GSDWM 32-*M
	14	18 Amps	GKDM 34-*M	GSDM 34-*M	GKDWM 34-*M	GSDWM 34-*M
4	10	25 Amps	GKDM 40-*M	GSDM 40-*M	GKDWM 40-*M	GSDWM 40-*M
	12	20 Amps	GKDM 42-*M	GSDM 42-*M	GKDWM 42-*M	GSDWM 42-*M
	14	15 Amps	GKDM 44-*M	GSDM 44-*M	GKDWM 44-*M	GSDWM 44-*M

Pins	AWG	Current Rating	TC-ER	TC-ER	TC-ER	TC-ER
3	10	30 Amps	GKDM 30-*M/S4000	GSDM 30-*M/S4000	GKDWM 30-*M/S4000	GSDWM 30-*M/S4000
	12	25 Amps	GKDM 32-*M/S4000	GSDM 32-*M/S4000	GKDWM 32-*M/S4000	GSDWM 32-*M/S4000
	14	18 Amps	GKDM 34-*M/S4000	GSDM 34-*M/S4000	GKDWM 34-*M/S4000	GSDWM 34-*M/S4000
4	10	25 Amps	GKDM 40-*M/S4000	GSDM 40-*M/S4000	GKDWM 40-*M/S4000	GSDWM 40-*M/S4000
	12	20 Amps	GKDM 42-*M/S4000	GSDM 42-*M/S4000	GKDWM 42-*M/S4000	GSDWM 42-*M/S4000
	14	15 Amps	GKDM 44-*M/S4000	GSDM 44-*M/S4000	GKDWM 44-*M/S4000	GSDWM 44-*M/S4000

See page 15 for dimensional drawings.





* Length in meters. Standard cable lengths are 2, 5 and 10 meters. Consult factory for other lengths.

Note: Extension cables are available, please consult Part Number Key (page 10).

Standard coupling nut material is nickel plated brass. Consult Part Number Key (page 10) for anodized aluminum and 316 stainless steel options.

D-Size 1 3/8" powerfast

D-Size 1 3/8" powerfast Receptacle Selection Matrix



Front Mount			5	6	7	8
						
			Female	Male	Female	Male
Pins	AWG	Current Rating	1/2-14 NPT Mounting Thread	1/2-14 NPT Mounting Thread	3/4-14 NPT Mounting Thread	3/4-14 NPT Mounting Thread
3	10	30 Amps	GKDF 30-*M/14.5/NPT	GSDF 30-*M/14.5/NPT	GKDF 30-*M/14.75/NPT	GSDF 30-*M/14.75/NPT
	12	25 Amps	GKDF 32-*M/14.5/NPT	GSDF 32-*M/14.5/NPT	GKDF 32-*M/14.75/NPT	GSDF 32-*M/14.75/NPT
	14	18 Amps	GKDF 34-*M/14.5/NPT	GSDF 34-*M/14.5/NPT	GKDF 34-*M/14.75/NPT	GSDF 34-*M/14.75/NPT
4	10	25 Amps	GKDF 40-*M/14.5/NPT	GSDF 40-*M/14.5/NPT	GKDF 40-*M/14.75/NPT	GSDF 40-*M/14.75/NPT
	12	20 Amps	GKDF 42-*M/14.5/NPT	GSDF 42-*M/14.5/NPT	GKDF 42-*M/14.75/NPT	GSDF 42-*M/14.75/NPT
	14	15 Amps	GKDF 44-*M/14.5/NPT	GSDF 44-*M/14.5/NPT	GKDF 44-*M/14.75/NPT	GSDF 44-*M/14.75/NPT

See page 16 for dimensional drawings.

* Length in meters. Standard lead length is 0.5 meters. Consult factory for other lengths.

Note: Standard housing material is nickel plated brass. Consult Part Number Key (page 10) for anodized aluminum and 316 stainless steel options.

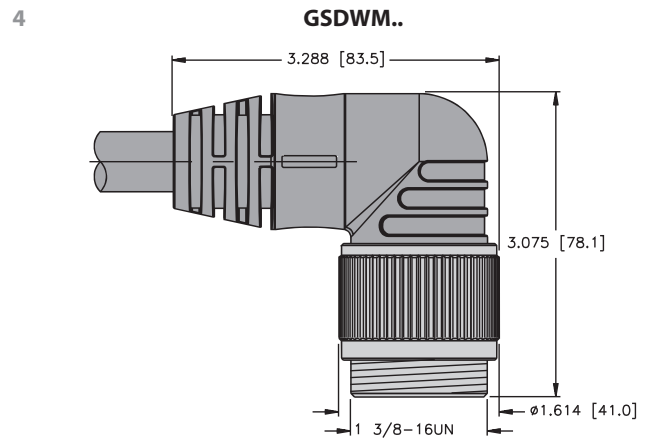
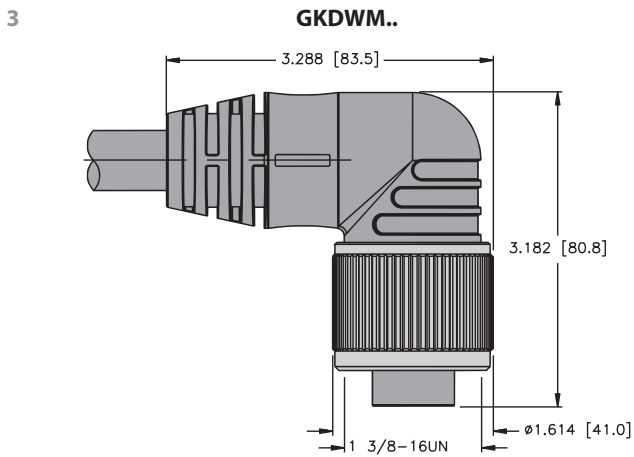
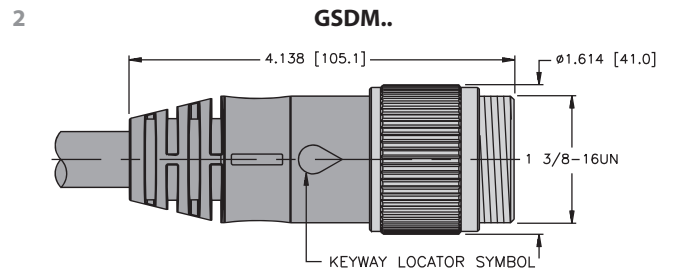
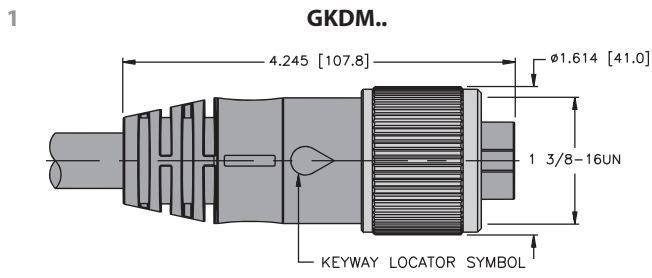
D-Size 1 3/8" powerfast Field Wireable Selection Matrix

Front Mount			9	10
				
			Female	Male
Pins	AWG	Current Rating	Screw Terminal	Screw Terminal
3	8-14	Up to 30 Amps	GKDM 30-0	GSDM 30-0
4	8-14	Up to 25 Amps	GKDM 40-0	GSDM 40-0

See page 16 for dimensional drawings.

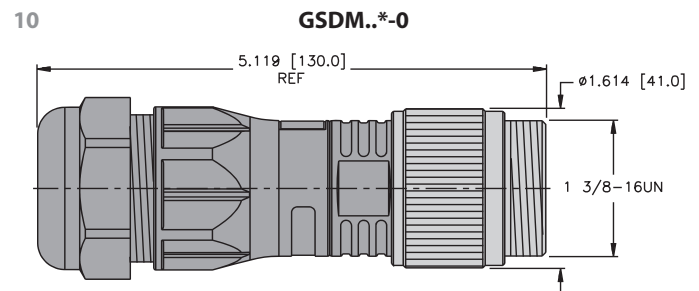
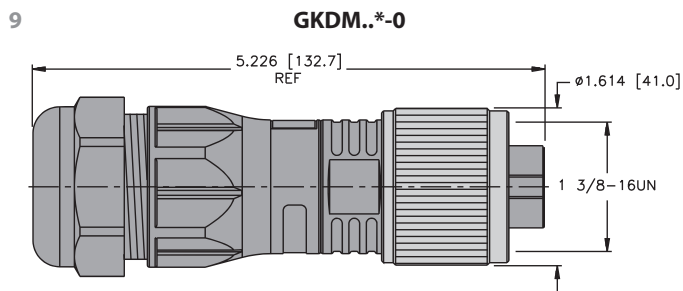
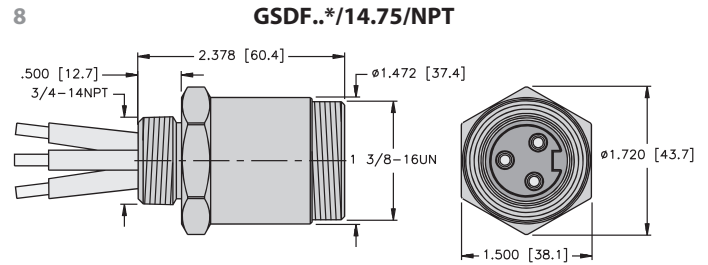
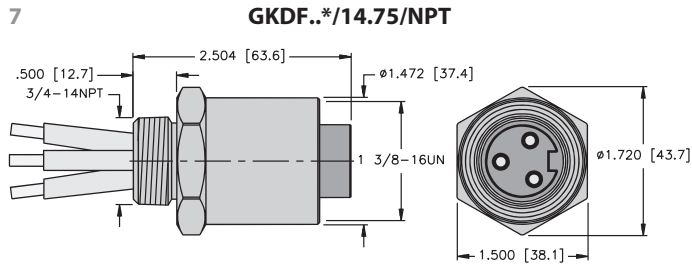
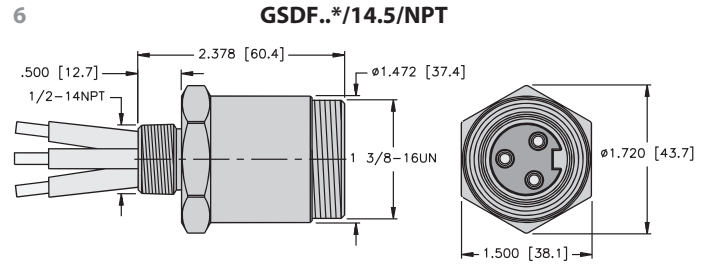
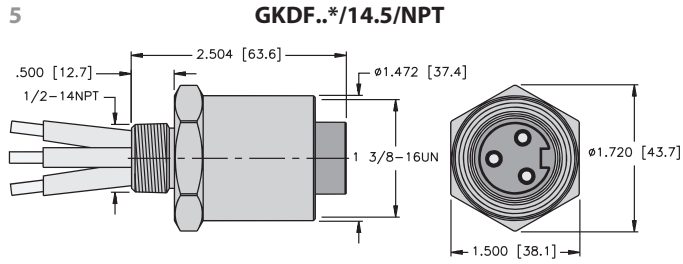
Note: Standard coupling nut material is nickel plated brass. Consult factory for anodized aluminum and 316 stainless steel options.

D-Size 1 3/8" powerfast Cordset Dimensions

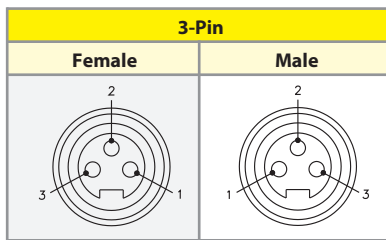


D-Size 1 3/8" powerfast

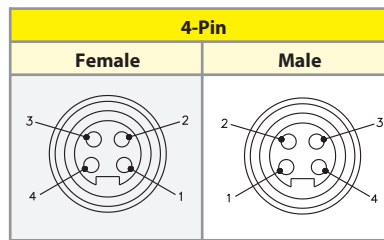
D-Size 1 3/8" powerfast Receptacle and Field Wireable Dimensions



D-Size 1 3/8" powerfast Cordset, Receptacle and Field Wireable Pinouts



Pinouts
1. BK 2. GN 3. WH



Pinouts
1. BK 2. GN 3. RD 4. WH

D-Size 1 3/8" powerfast Tee Specifications

Mechanical

Mold material/Color:	PVC/Black
Contact carrier material:	PVC
Coupling nut material:	
Standard:	Nickel plated brass
Additional options:	Anodized aluminum 316 stainless steel
Environmental protection:	NEMA 1, 3, 4, 6P and IEC IP67, IP68, IP69K
Temperature rating:	-40 to +90°C (-40 to +194°F)

Electrical

Contact material:	Brass or copper with gold plating
Cable jacket material/Color:	
Standard:	TC-ER STOOW PVC/Black
Additional options:	TC-ER PVC/Black (/S4000 version)
Ratings:	15-30 Amps, 600 VAC

D-Size 1 3/8" powerfast Tee Selection Matrix

				11	12	13
				Integral D-Size Connector Drop	Integral A-Size Connector Drop	Integral M16 Connector Drop
Pins	Drop AWG	Trunk Current Rating	Drop Current Rating			
3	10	30 Amps	30 Amps	GSDM/2GKDM 30		
	14	30 Amps	15 Amps		GSDM/GKDM/RKM 34-*	GSDM/GKDM/BKM 34
4	10	25 Amps	25 Amps	GSDM/2GKDM 40		
	14	25 Amps	15 Amps		GSDM/GKDM/RKM 44-*	GSDM/GKDM/BKM 44

See page 19 for dimensional drawings.

* Length in meters. Standard cable lengths are 2, 5 and 10 meters. Consult factory for other lengths.

Note: Extension cables are available, please consult Part Number Key (page 11).

Standard coupling nut material is nickel plated brass. Consult Part Number Key (page 11) for anodized aluminum and 316 stainless steel options.

D-Size 1 3/8" powerfast Tee Selection Matrix

				14	15	16	17
				Cable Drop	Cable Drop With D-Size Power Connector	Cable Drop With A-Size Power Connector	Cable Drop With M16 Power Connector
Pins	Drop AWG	Trunk Current Rating	Drop Current Rating	TC-ER STOOW	TC-ER STOOW	TC-ER STOOW	TC-ER STOOW
3	10	30 Amps	30 Amps	GSDM/GKDM/T30-*	GSDM/2GKDM 30-*		
	12	30 Amps	25 Amps	GSDM/GKDM/T32-*	GSDM/2GKDM 32-*		
	14	30 Amps	18 Amps	GSDM/GKDM/T34-*	GSDM/2GKDM 34-*	GSDM/GKDM/RKM 34-*	
4	10	25 Amps	25 Amps	GSDM/GKDM/T40-*	GSDM/2GKDM 40-*		
	12	25 Amps	20 Amps	GSDM/GKDM/T42-*	GSDM/2GKDM 42-*		
	14	25 Amps	15 Amps	GSDM/GKDM/T44-*	GSDM/2GKDM 44-*	GSDM/GKDM/RKM 44-*	

Pins	Drop AWG	Trunk Current Rating	Drop Current Rating	TC-ER	TC-ER	TC-ER	TC-ER
3	10	30 Amps	30 Amps	GSDM/GKDM/T30-*/S4000	GSDM/2GKDM 30-*/S4000		
	12	30 Amps	25 Amps	GSDM/GKDM/T32-*/S4000	GSDM/2GKDM 32-*/S4000		
	14	30 Amps	18 Amps	GSDM/GKDM/T34-*/S4000	GSDM/2GKDM 34-*/S4000	GSDM/GKDM/RKM 34-*/S4000†	GSDM/GKDM/BKM 34-*/S4000†
4	10	25 Amps	25 Amps	GSDM/GKDM/T40-*/S4000	GSDM/2GKDM 40-*/S4000		
	12	25 Amps	20 Amps	GSDM/GKDM/T42-*/S4000	GSDM/2GKDM 42-*/S4000		
	14	25 Amps	15 Amps	GSDM/GKDM/T44-*/S4000	GSDM/2GKDM 44-*/S4000	GSDM/GKDM/RKM 44-*/S4000	GSDM/GKDM/BKM 44-*/S4000

See page 19 for dimensional drawings.

* Length in meters. Standard cable lengths are 2, 5 and 10 meters. Consult factory for other lengths.




† Drop current rating of 15 amps.

Note: Extension cables are available, please consult Part Number Key (page 11).

Standard coupling nut material is nickel plated brass. Consult Part Number Key (page 11) for anodized aluminum and 316 stainless steel options.

D-Size 1 3/8" powerfast

D-Size 1 3/8" powerfast H-Style Tee Selection Matrix

				18	19	20
						
				Integral D-Size Connector Drop	Integral A-Size Connector Drop	Integral M16 Connector Drop
Pins	Drop AWG	Trunk Current Rating	Drop Current Rating			
3	10	30 Amps	30 Amps	SH-GSDM/2GKDM 30		
	14	30 Amps	15 Amps		SH-GSDM/GKDM/RKM 34-*	SH-GSDM/GKDM/BKM 34
4	10	25 Amps	25 Amps	SH-GSDM/2GKDM 40		
	14	25 Amps	15 Amps		SH-GSDM/GKDM/RKM 44-*	SH-GSDM/GKDM/BKM 44

				21	22	23	24
							
				Cable Drop	Cable Drop With D-Size Power Connector	Cable Drop With A-Size Power Connector	Cable Drop With M16 Power Connector
Pins	Drop AWG	Trunk Current Rating	Drop Current Rating	TC-ER STOOW	TC-ER STOOW	TC-ER STOOW	TC-ER STOOW
3	10	30 Amps	30 Amps	SH-GSDM/GKDM/T30-*	SH-GSDM/2GKDM 30-*		
	12	30 Amps	25 Amps	SH-GSDM/GKDM/T32-*	SH-GSDM/2GKDM 32-*		
	14	30 Amps	18 Amps	SH-GSDM/GKDM/T34-*	SH-GSDM/2GKDM 34-*	SH-GSDM/GKDM/RKM 34-*	
4	10	25 Amps	25 Amps	SH-GSDM/GKDM/T40-*	SH-GSDM/2GKDM 40-*		
	12	25 Amps	20 Amps	SH-GSDM/GKDM/T42-*	SH-GSDM/2GKDM 42-*		
	14	25 Amps	15 Amps	SH-GSDM/GKDM/T44-*	SH-GSDM/2GKDM 44-*	SH-GSDM/GKDM/RKM 44-*	

Pins	Drop AWG	Trunk Current Rating	Drop Current Rating	TC-ER	TC-ER	TC-ER	TC-ER
3	10	30 Amps	30 Amps	SH-GSDM/GKDM/T30-*/S4000	SH-GSDM/2GKDM 30-*/S4000		
	12	30 Amps	25 Amps	SH-GSDM/GKDM/T32-*/S4000	SH-GSDM/2GKDM 32-*/S4000		
	14	30 Amps	18 Amps	SH-GSDM/GKDM/T34-*/S4000	SH-GSDM/2GKDM 34-*/S4000	SH-GSDM/GKDM/RKM 34-*/S4000†	SH-GSDM/GKDM/BKM 34-*/S4000†
4	10	25 Amps	25 Amps	SH-GSDM/GKDM/T40-*/S4000	SH-GSDM/2GKDM 40-*/S4000		
	12	25 Amps	20 Amps	SH-GSDM/GKDM/T42-*/S4000	SH-GSDM/2GKDM 42-*/S4000		
	14	25 Amps	15 Amps	SH-GSDM/GKDM/T44-*/S4000	SH-GSDM/2GKDM 44-*/S4000	SH-GSDM/GKDM/RKM 44-*/S4000	SH-GSDM/GKDM/BKM 44-*/S4000

See page 19 for dimensional drawings.

* Length in meters. Standard cable lengths are 2, 5 and 10 meters. Consult factory for other lengths.

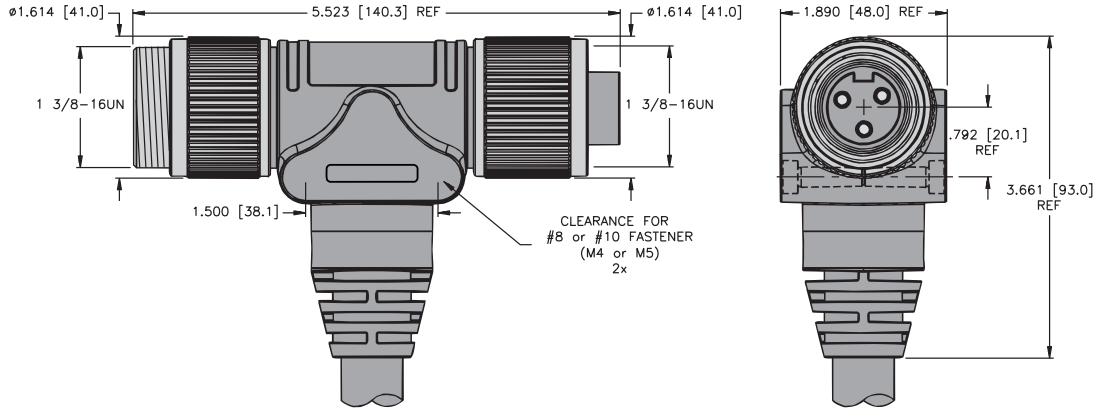
† Drop current rating of 15 amps.

Note: Extension cables are available, please consult Part Number Key (page 11).

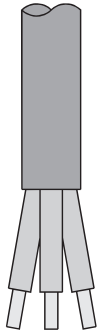
Standard coupling nut material is nickel plated brass. Consult Part Number Key (page 11) for anodized aluminum and 316 stainless steel options.

D-Size 1 3/8" powerfast Tee Dimensions

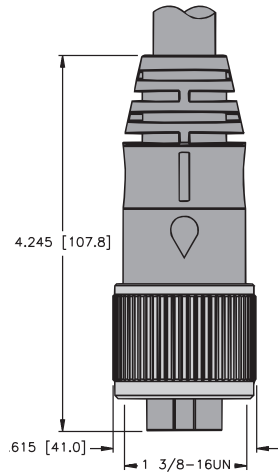
Tee with Cable Drop and Connector Options



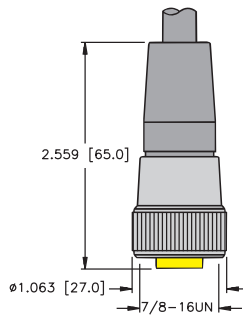
14 Cable Drop
GSDM/GKDM/T..



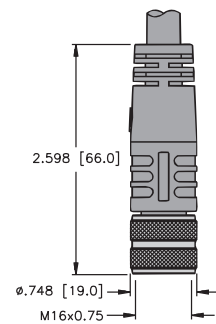
15 D-Size Power Connector
GSDM/2GKDM..



16 A-Size Power Connector
GSDM/GKDM/RKM..



17 M16 Power Connector
GSDM/GKDM/BKM..

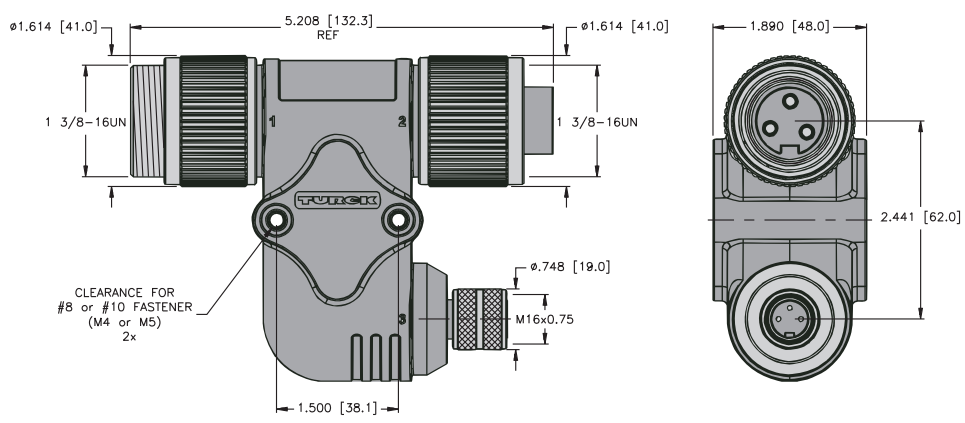


D-Size 1 3/8" powerfast h-Style Tee Dimensions

D-Size 1 3/8" powerfast

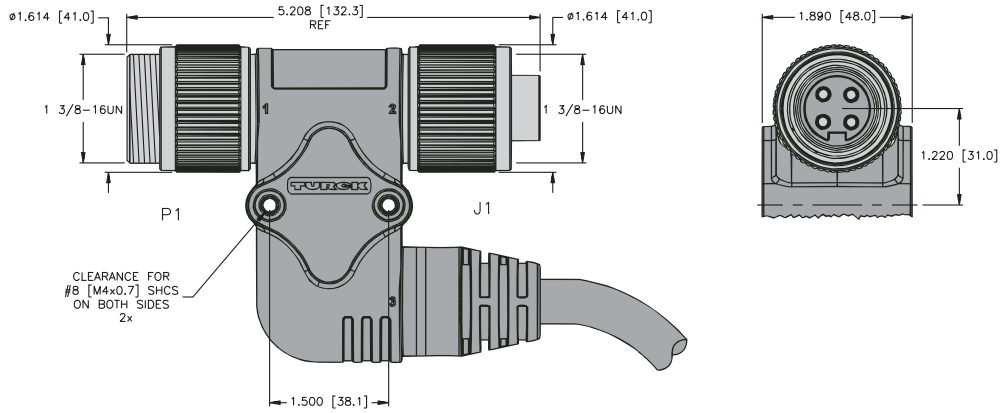
20

**Integral M16 Power Connector Drop
SH-GSDM/GKDM/BKM..**

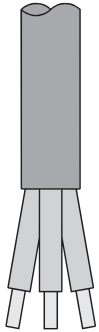


D-Size 1 3/8" powerfast h-Style Tee Dimensions

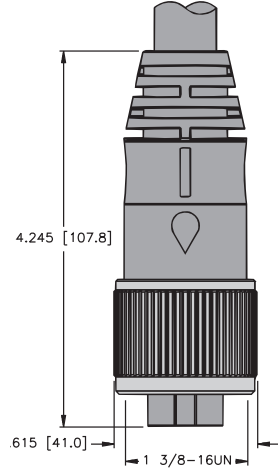
h-Style Tee with Cable Drop and Connector Options



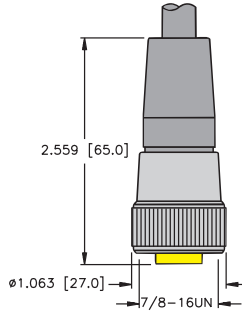
21 Cable Drop
SH-GSDM/GKDM/T



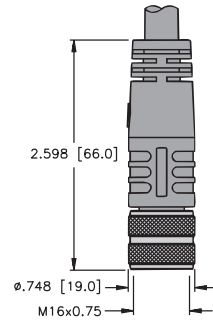
22 D-Size Power Connector
SH-GSDM/2GKDM..



23 A-Size Power Connector
SH-GSDM/GKDM/RKM..



24 M16 Power Connector
SH-GSDM/GKDM/BKM..



D-Size 1 3/8" powerfast Power Reducer Specifications

Mechanical		Electrical	
Mold material/Color:	PVC/Black	Contact material:	Brass or copper with gold plating
Contact carrier material:	PVC	Ratings:	15 Amps, 600 VAC
Coupling nut material:			
Standard:	Nickel plated brass		
Additional options:	Anodized aluminum 316 stainless steel		
Environmental protection:	NEMA 1, 3, 4, 6P and IEC IP67, IP68, IP69K		
Temperature rating:	-40 to +90°C (-40 to +194°F)		

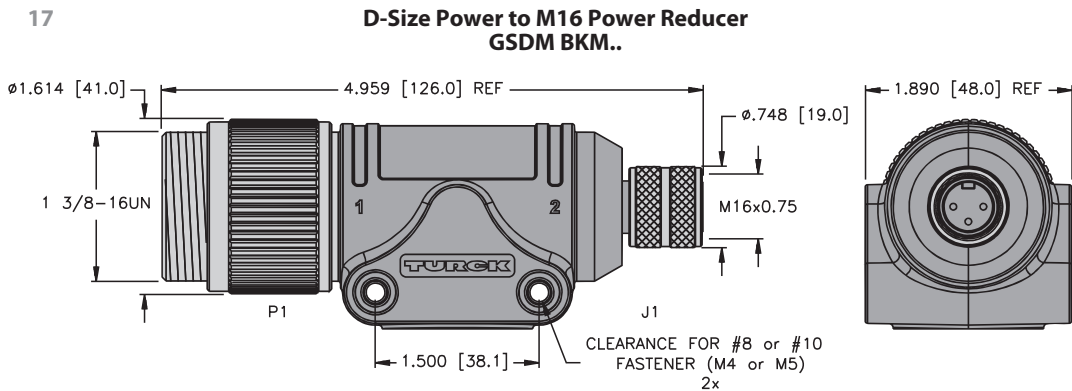
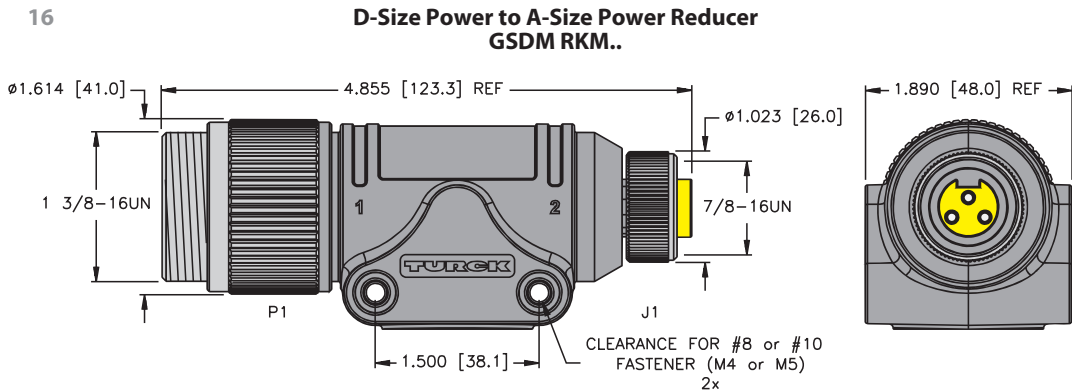
D-Size 1 3/8" powerfast Power Reducer Selection Matrix

			16	17
Pins	Drop AWG	Current Rating	D-Size Power to A-Size Power Reducer	D-Size Power to M16 Power Reducer
3	14	Up to 15 Amps	GSDM RKM 34-0	GSDM BKM 34-0
4	14	Up to 15 Amps	GSDM RKM 44-0	GSDM BKM 44-0

See page 20 for dimensional drawings.

Note: Standard coupling nut material is nickel plated brass. Consult factory for anodized aluminum and 316 stainless steel options.

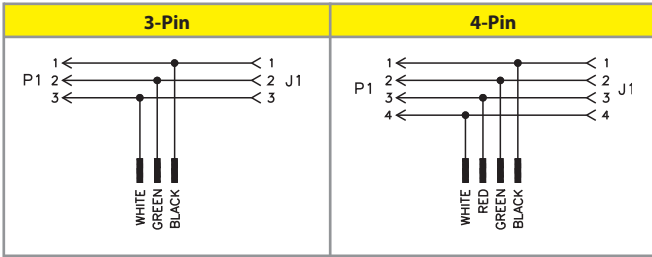
D-Size 1 3/8" powerfast Power Reducer Dimensions



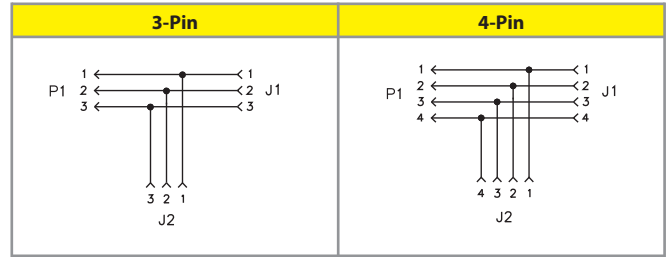
D-Size 1 3/8" powerfast

D-Size 1 3/8" powerfast Tee Wiring Diagrams

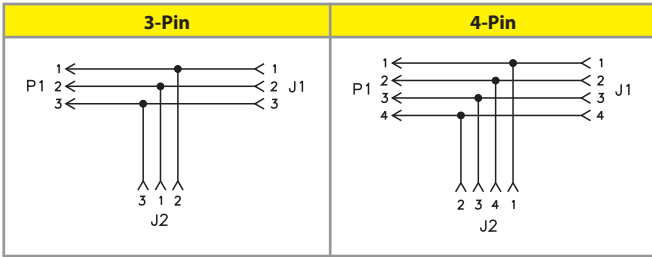
Cable Drop



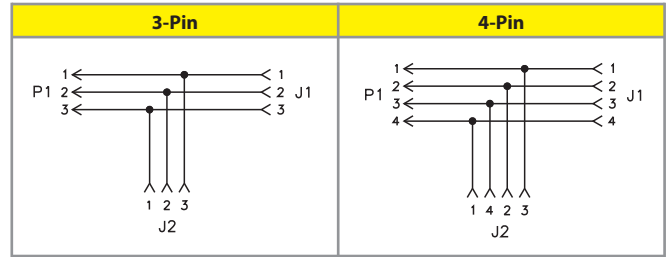
D-Size Power Drop



A-Size Power Drop

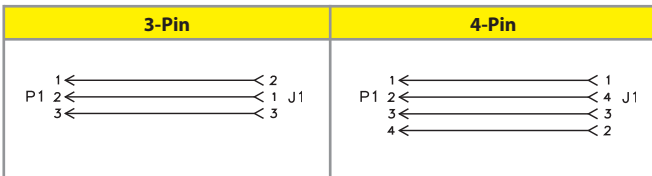


M16 Power Drop

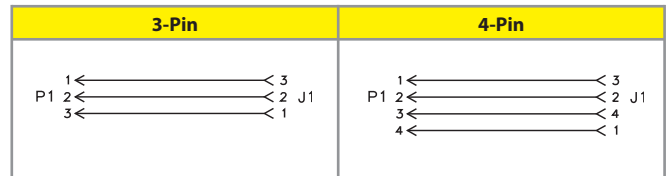


D-Size 1 3/8" powerfast Power Reducer Wiring Diagrams

D-Size Power to A-Size Power

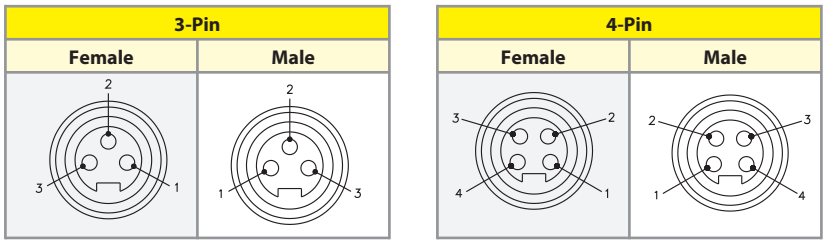


D-Size Power to M16 Power

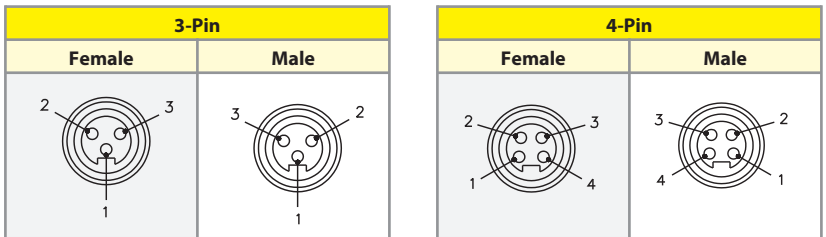


D-Size 1 3/8" powerfast Tee and Power Reducer Pinouts

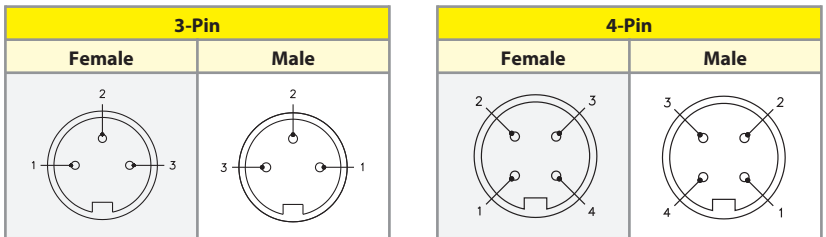
D-Size Power



A-Size Power



M16 Power



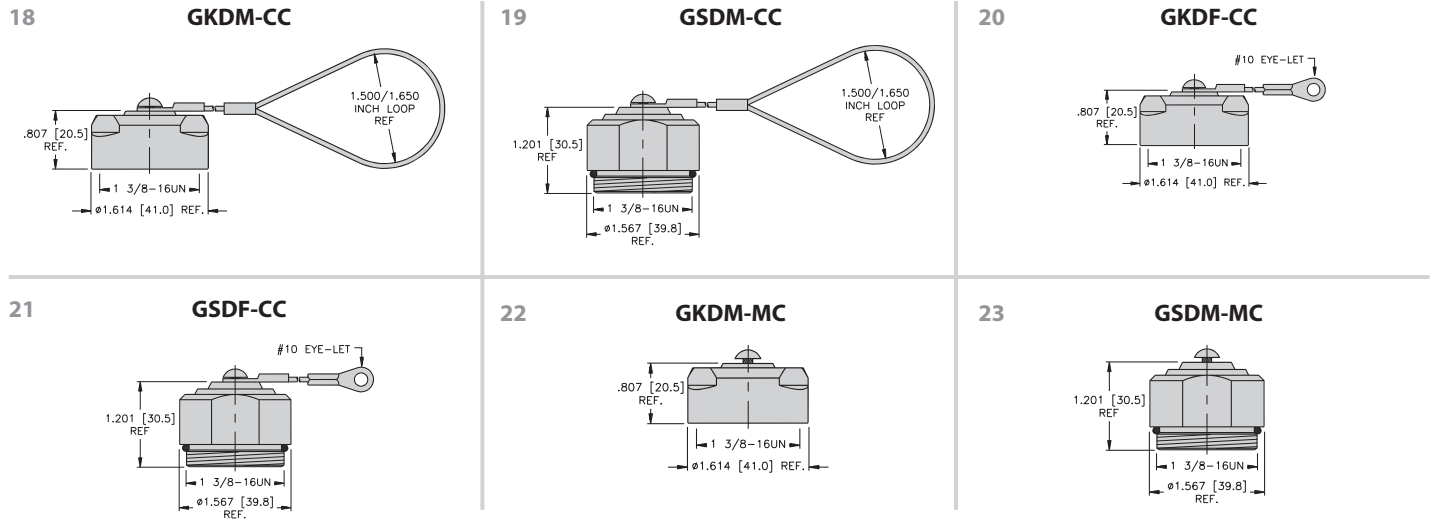
D-Size 1 3/8" powerfast

D-Size 1 3/8" powerfast Closure Cap Selection Matrix

		18	19	20	21	22	23
		Mates to male cordsets and receptacles	Mates to female cordsets and receptacles	Mates to male receptacles	Mates to female receptacles	Mates to male cordsets and receptacles	Mates to female cordsets and receptacles
Material	Thread	6" SS Loop Lanyard	6" SS Loop Lanyard	7" SS Lanyard with Eyelet	7" SS Lanyard with Eyelet	No Lanyard	No Lanyard
Nickel Plated Brass	1 3/8-16UN	GKDM-CC	GSDM-CC	GKDF-CC	GSDF-CC	GKDM-MC	GSDM-MC

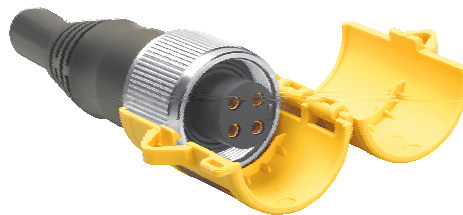
See table below for dimensional drawings.

D-Size 1 3/8" powerfast Closure Cap Dimensions



D-Size 1 3/8" powerlok

Part Number	Application
LOCK-D POWER	Nylon locking guard for straight or right angle D-Size powerfast connectors



D-Size powerlok Open



D-Size powerlok Closed

Part Number Keys	J26
Cordset, Receptacle and Field Wireable Specifications	J28
Cordset, Receptacle and Field Wireable Selection Matrix	J28
Cordset, Receptacle and Field Wireable Dimensions	J30
Cordset, Receptacle and Field Wireable Pinouts	J31
Tee Specifications	J32
Tee Selection Matrix	J32
Tee Dimensions	J33
Tee Wiring Diagrams	J39
Tee Pinouts	J39
Closure Caps	J40
powerlok Accessories	J40

Features

- Ideal for small motor applications
- Shielded versions available
- Multiple tee configurations
- 2 to 4-pin
- 12 and 14 AWG conductors
- Up to 18 Amp, 600 Volt rated
- Tray rated-exposed run PVC cable
- IEC IP67 protection



M16 powerfast Cordset Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.

M16 (16 mm) powerfast Cordset	B S M	34-198	-	*	/S..
Gender					Varieties
K = female connector S = male connector					/S = consult factory, special /CS = consult factory, special
Configuration					Length in Meters
M = straight WM = right angle					
Coupling Nut Material					Number of Wires / AWG / Color Code
(blank) = nickel plated brass K = nylon V = 316 stainless steel					22-380 = 2x12 AWG WH, BK 34-198 = 3x14 AWG WH, GN, BK 44-193 = 4x14 AWG WH, GN, BK, RD
Insertion Point of Extension Cable 2nd Prefix*					
* Male connector listed 1st, female connector 2nd Example: BSM BKM 34-198-*					

Extension Example:

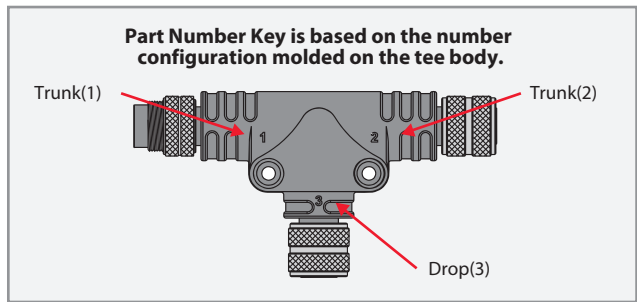


B S M **B K M** **34-198** - *

M16 powerfast Tee Part Number Key

M16 (16 mm) powerfast	B S M	/	2BKM	34	-	198	-	*	-	/S..
Trunk(1) Identifier										Varieties
K = female connector S = male connector										/S = consult factory, special /CS = consult factory, special
Configuration										Length in Meters
M = straight										(blank) = connector only * = drop cable */*/ = trunk(1) cable / trunk(2) cable / drop(3) cable
Coupling Nut Material										AWG / Color Code
(blank) = nickel plated brass K = nylon V = 316 stainless steel										(blank) = connector only 380 = 2x12 AWG, WH, BK 198 = 3x14 AWG, WH, GN, BK 193 = 4x14 AWG, WH, GN, BK, RD
Trunk(2) and Drop(3) Identifiers										Number of Pins
2BKM = female trunk(2) and female drop(3) BSM/BKM = male trunk(2) and female drop(3) BKM/T = female trunk(2) and cable drop(3)										22 = 2 34 = 3 44 = 4

Note: Only one male connector per tee available.



Tee Examples:

B S M / **2 B K M** **34** - **198** - *

B S M / **2 B K M** **44**

M16 powerfast Receptacle Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.

B	K	F			22	-	*	/14.5/NPT
----------	----------	----------	--	--	-----------	---	----------	------------------

M16 (16 mm) powerfast Receptacle

Gender
K = female receptacle
S = male receptacle

Designator for Receptacle

Housing Style
(blank) = front mount
D = rear mount

Housing Material
(blank) = nickel plated brass
V = 316 stainless steel

Thread Type
/14.5/NPT = 1/2-14NPT threads
/18.375/NPT = 3/8-18NPT threads
/M20 = M20 threads
/M18 = M18 threads

Length in Meters

Number of Wires / AWG / Color Code
22 = 2x12 AWG WH, BK
34 = 3x14 AWG WH, GN, BK
44 = 4x14 AWG WH, GN, BK, RD

M16 powerfast H/h Style Tee Part Number Key

BH	-	B	S	M		/	2BKM	34	-	198	-	*	-	/S..
-----------	---	----------	----------	----------	--	----------	-------------	-----------	---	------------	---	----------	---	-------------

H/h Style
BH = big H
SH = small h

M16 (16 mm) powerfast

Trunk(1) Identifier
K = female connector
S = male connector

Configuration
M = straight

Coupling Nut Material
(blank) = nickel plated brass
K = nylon
V = 316 stainless steel

Trunk(2) and Drop(3&4) Identifiers
2BKM = female trunk(2) and female drop(3) (h)
BSM/BKM = male trunk(2) and female drop(3) (h)
BKM/T = female trunk(2) and cable drop (3) (h)
3BKM = female trunk(2) and female drops(3&4) (H)
BSM/2BKM = male trunk(2) and female drops(3&4) (H)

Varieties
/S = consult factory, special
/CS = consult factory, special

Length in Meters
(blank) = connector only
* = drop cable
*/** = trunk(1) cable / trunk(2) cable / drop(3) cable
*/**/** = trunk(1) cable / trunk(2) cable / drop(3) cable / drop(4) cable

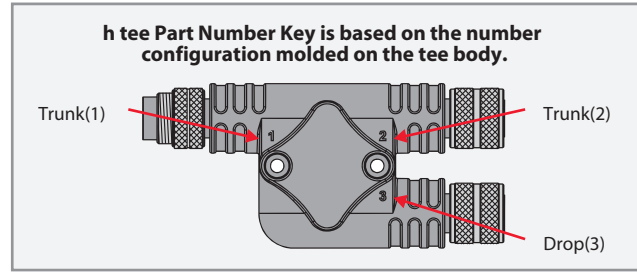
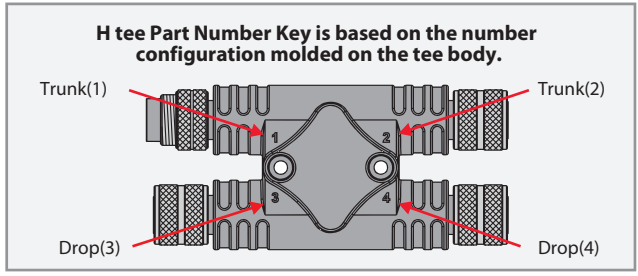
AWG / Color Code
(blank) = connector only
380 = 2x12 AWG, WH, BK
198 = 3x14 AWG, WH, GN, BK
193 = 4x14 AWG, WH, GN, BK, RD

Number of Pins
22 = 2
34 = 3
44 = 4

Tee Examples:

BH	-	B	S	M	/	3	B	K	M	34	-	198	-	*
SH	-	B	K	M	/	B	S	M	/	B	K	M	44	

Note: Only one male connector per tee.



M16 powerfast

M16 powerfast Cordset Specifications

Mechanical

Mold material/Color:	PUR/Black
Contact carrier material:	PUR
Coupling nut material:	
Standard:	Nickel plated brass
Additional options:	Nylon 316 stainless steel
Environmental protection:	IEC IP67
Temperature rating:	-40 to +90°C (-40 to +194°F)

Electrical

Contact material:	Brass or copper with gold plating
Cable jacket material/Color:	TC-ER PVC/Black
Ratings:	15-18 Amps, 600 V



M16 powerfast Receptacle Specifications

Mechanical

Contact carrier material:	PUR
Housing material/Plating:	
Standard:	Nickel plated brass
Additional options:	316 stainless steel
O-Ring material:	Nitrile (BUNA N)
Environmental protection:	IEC IP67
Temperature rating:	-40 to +105°C (-40 to +221°F)

Electrical

Contact material:	Brass or copper with gold plating
Conductor insulation:	PVC
Ratings:	15-18 Amps, 600 V



M16 powerfast Field Wireable Specifications





Mechanical

Housing material/Color:	Glass filled nylon or PVC/Black
Contact carrier material:	PUR
Coupling nut material:	
Standard:	Nickel plated brass
Additional options:	Nylon 316 stainless steel
Environmental protection:	NEMA 6P and IEC IP67
Temperature rating:	-40 to +90°C (-40 to +194°F)

Electrical

Contact material:	Brass or copper with gold plating
Ratings:	15-18 Amps, 600 VAC

M16 powerfast Cordset Selection Matrix

			1 	2 	3 	4 
			Straight Female	Straight Male	Right Angle Female	Right Angle Male
Pins	AWG	Current Rating	TC-ER	TC-ER	TC-ER	TC-ER
2	12	18 Amps	BKM 22-380-*	BSM 22-380-*	BKWM 22-380-*	BSWM 22-380-*
3	14	15 Amps	BKM 34-198-*	BSM 34-198-*	BKWM 34-198-*	BSWM 34-198-*
4	14	15 Amps	BKM 44-193-*	BSM 44-193-*	BKWM 44-193-*	BSWM 44-193-*

Pins	AWG	Current Rating	SHIELDED TC-ER	SHIELDED TC-ER	SHIELDED TC-ER	SHIELDED TC-ER
2	12	18 Amps	BKMS 22-1759-*	BSMS 22-1759-*	BKWS 22-1759-*	BSWS 22-1759-*
3	14	15 Amps	BKMS 34-1364-*	BSMS 34-1364-*	BKWS 34-1364-*	BSWS 34-1364-*
4	14	15 Amps	BKMS 44-1363-*	BSMS 44-1363-*	BKWS 44-1363-*	BSWS 44-1363-*





See pages 30-31 for dimensional drawings.





* Length in meters. Standard cable lengths are 2, 5 and 10 meters. Consult factory for other lengths.



Note: Extension cables are available, please consult Part Number Key (page 26).

Standard coupling nut material is nickel plated brass. Consult Part Number Key (page 26) for nylon and 316 stainless steel options.

M16 powerfast Receptacle Selection Matrix

Front Mount			5	6	7	8
						
			Female	Male	Female	Male
Pins	AWG	Current Rating	1/2-14NPT Mounting Thread	1/2-14NPT Mounting Thread	3/8-18NPT Mounting Thread	3/8-18NPT Mounting Thread
2	12	18 Amps	BKF 22-*/14.5/NPT	BSF 22-*/14.5/NPT	BKF 22-*/18.375/NPT	BSF 22-*/18.375/NPT
3	14	15 Amps	BKF 34-*/14.5/NPT	BSF 34-*/14.5/NPT	BKF 34-*/18.375/NPT	BSF 34-*/18.375/NPT
4	14	15 Amps	BKF 44-*/14.5/NPT	BSF 44-*/14.5/NPT	BKF 44-*/18.375/NPT	BSF 44-*/18.375/NPT

Front Mount			9	10	11	12
						
			Female	Male	Female	Male
Pins	AWG	Current Rating	M18 Mounting Thread	M18 Mounting Thread	M20 Mounting Thread	M20 Mounting Thread
2	12	18 Amps	BKF 22-*/M18	BSF 22-*/M18	BKF 22-*/M20	BSF 22-*/M20
3	14	15 Amps	BKF 34-*/M18	BSF 34-*/M18	BKF 34-*/M20	BSF 34-*/M20
4	14	15 Amps	BKF 44-*/M18	BSF 44-*/M18	BKF 44-*/M20	BSF 44-*/M20

Rear Mount			13	14
				
			Female	Male
Pins	AWG	Current Rating	M18 Mounting Thread	M18 Mounting Thread
2	12	18 Amps	BKFD 22-*/M18	BSFD 22-*/M18
3	14	15 Amps	BKFD 34-*/M18	BSFD 34-*/M18
4	14	15 Amps	BKFD 44-*/M18	BSFD 44-*/M18



See pages 30-31 for dimensional drawings.

* Length in meters. Standard lead length is 0.5 meters. Consult factory for other lengths.

Note: Standard housing material is nickel plated brass. Consult Part Number Key (page 27) for 316 stainless steel options.

M16 powerfast

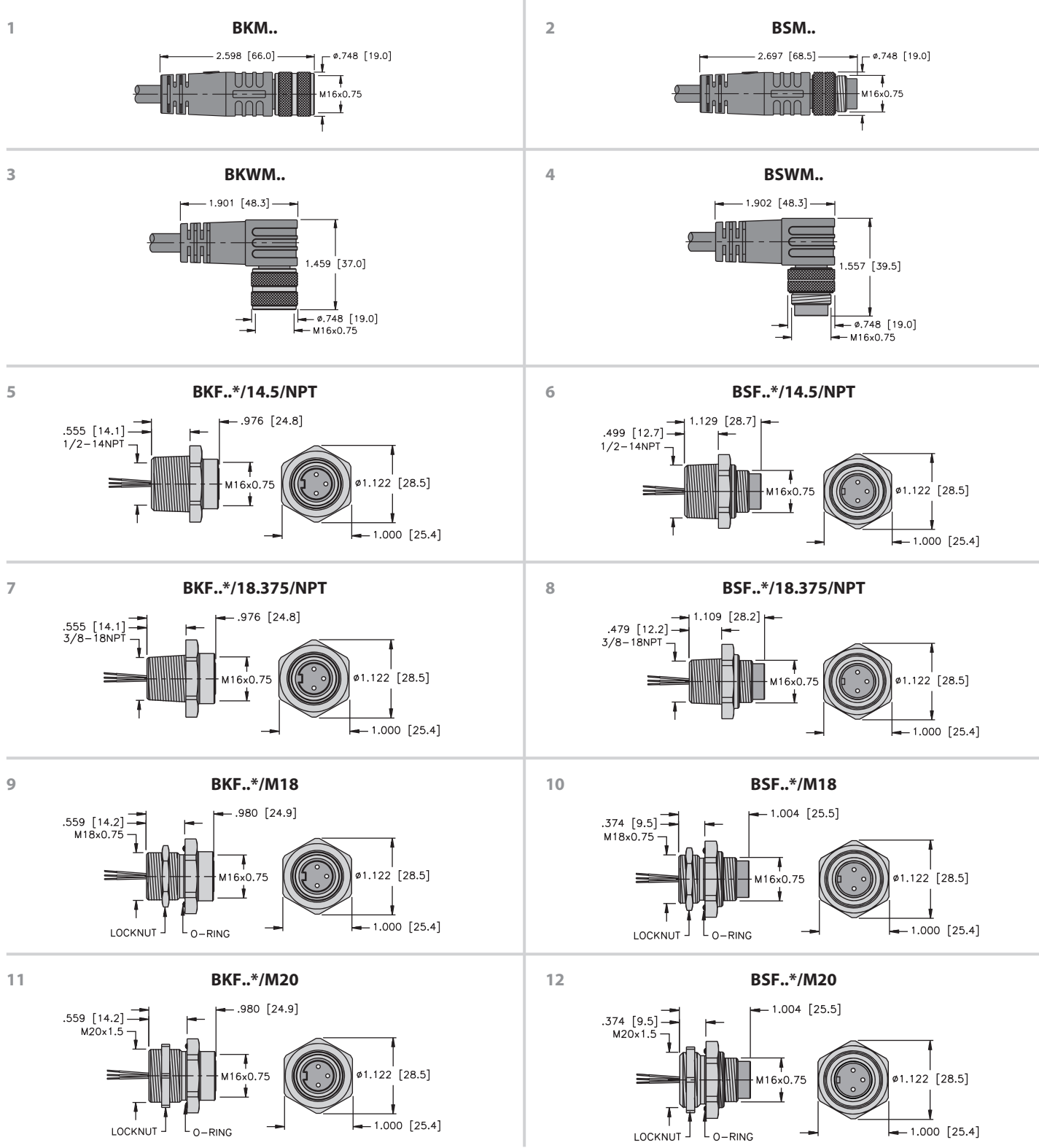
M16 powerfast Field Wireable Selection Matrix

			15	16
				
			Straight Female, PG 11 Cable Gland Accepts 8-11 mm Cable Diameter	Straight Male, PG 11 Cable Gland Accepts 8-11 mm Cable Diameter
Pins	Acceptable Conductor AWG	Current Rating	Screw Terminal	Screw Terminal
2	12	18 Amps	BK 22-0	BS 22-0
3	14	15 Amps	BK 34-0	BS 34-0
4	14	15 Amps	BK 44-0	BS 44-0

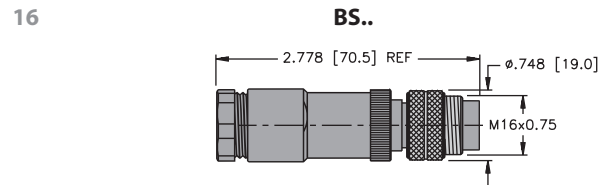
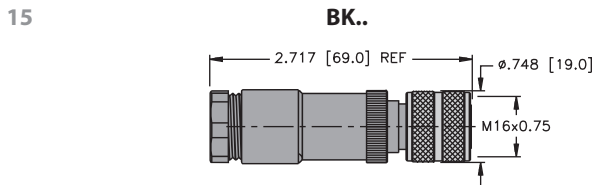
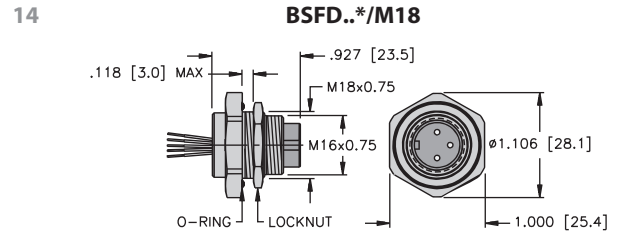
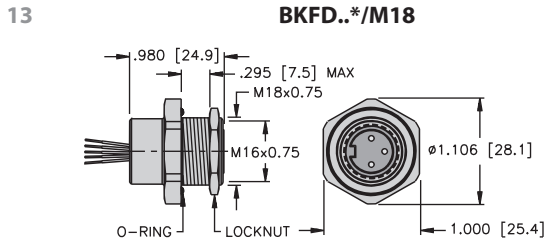
See pages 30-31 for dimensional drawings.

Note: Standard coupling nut material is nickel plated brass. Consult factory for nylon and 316 stainless steel options.

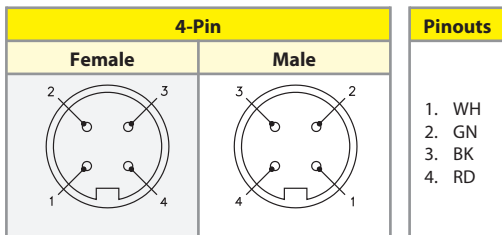
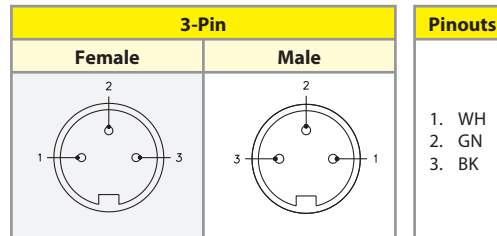
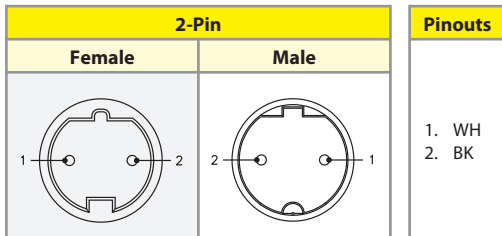
M16 powerfast Cordset, Receptacle and Field Wireable Dimensions



M16 powerfast Cordset, Receptacle and Field Wireable Dimensions



M16 powerfast Cordset, Receptacle and Field Wireable Pinouts



M16 powerfast

M16 powerfast Tee Specifications

Mechanical

Mold material/Color:	PUR/Black
Contact carrier material:	PUR
Coupling nut material:	
Standard:	Nickel plated brass
Additional options:	Nylon 316 stainless steel

Environmental Protection: IEC IP67

Temperature Rating:

Integral connector version:	-40 to +105°C (-40 to +221°F)
Cable version:	-40 to +90°C (-40 to +194°F)

Electrical

Contact material:	Brass or copper with gold plating
Cable jacket material/Color:	TC-ER PVC/Black
Ratings:	15-18 Amps, 600 V



M16 powerfast Tee Selection Matrix

			17	18	19	20
			Integral M16 Power Connector Drop	Cable Drop with M16 Power Connector	Cable Trunk and Cable Drop with M16 Power Connectors	Cable Drop
Pins	AWG	Current Rating	TC-ER		TC-ER	TC-ER
2	12	18 Amps	BSM/2BKM 22	BSM/2BKM 22-380-*	BSM/2BKM 22-380-*/**	BSM/BKM/T22-380-*
3	14	15 Amps	BSM/2BKM 34	BSM/2BKM 34-198-*	BSM/2BKM 34-198-*/**	BSM/BKM/T34-198-*
4	14	15 Amps	BSM/2BKM 44	BSM/2BKM 44-193-*	BSM/2BKM 44-193-*/**	BSM/BKM/T44-193-*

M16 powerfast h-Style Tee Selection Matrix

			21	22	23	24
			Trunk #1: Male Connector	Cable Drop with M16 Power Connector	Cable Trunk and Cable Drop with M16 Power Connectors	Cable Drop
Pins	AWG	Current Rating	TC-ER		TC-ER	TC-ER
2	12	18 Amps	SH-BSM/2BKM 22	SH-BSM/2BKM 22-380-*	SH-BSM/2BKM 22-380-*/**	SH-BSM/BKM/T22-380-*
3	14	15 Amps	SH-BSM/2BKM 34	SH-BSM/2BKM 34-198-*	SH-BSM/2BKM 34-198-*/**	SH-BSM/BKM/T34-198-*
4	14	15 Amps	SH-BSM/2BKM 44	SH-BSM/2BKM 44-193-*	SH-BSM/2BKM 44-193-*/**	SH-BSM/BKM/T44-193-*

			25	26	27	28
			Trunk #2: Male Connector	Cable Drop with M16 Power Connector	Cable Trunk and Cable Drop with M16 Power Connectors	Cable Drop
Pins	AWG	Current Rating	TC-ER		TC-ER	TC-ER
2	12	18 Amps	SH-BKM/BSM/BKM 22	SH-BKM/BSM/BKM 22-380-*	SH-BKM/BSM/BKM 22-380-*/**	SH-BKM/BSM/T22-380-*
3	14	15 Amps	SH-BKM/BSM/BKM 34	SH-BKM/BSM/BKM 34-198-*	SH-BKM/BSM/BKM 34-198-*/**	SH-BKM/BSM/T34-198-*
4	14	15 Amps	SH-BKM/BSM/BKM 44	SH-BKM/BSM/BKM 44-193-*	SH-BKM/BSM/BKM 44-193-*/**	SH-BKM/BSM/T44-193-*

See pages 33-38 for dimensional drawings.

* Length in meters. Standard cable lengths are 2, 5 and 10 meters. Consult factory for other lengths.

Note: Standard coupling nut material is nickel plated brass. Consult Part Number Key (page 27) for nylon and 316 stainless steel options.

M16 powerfast H-Style Tee Selection Matrix

			29	30	31
Trunk #1: Male Connector			Integral M16 Power Connector Drop	Cable Drop with M16 Power Connector	Cable Trunk and Cable Drop with M16 Power Connectors
Pins	AWG	Current Rating		TC-ER	TC-ER
2	12	18 Amps	BH-BSM/3BKM 22	BH-BSM/3BKM 22-380-*	BH-BSM/3BKM 22-380-*/*/*/*
3	14	15 Amps	BH-BSM/3BKM 34	BH-BSM/3BKM 34-198-*	BH-BSM/3BKM 34-198-*/*/*/*
4	14	15 Amps	BH-BSM/3BKM 44	BH-BSM/3BKM 44-193-*	BH-BSM/3BKM 44-193-*/*/*/*

			32	33	34
Trunk #2: Male Connector			Integral M16 Power Connector Drop	Cable Drop with M16 Power Connector	Cable Trunk and Cable Drop with M16 Power Connectors
Pins	AWG	Current Rating		TC-ER	TC-ER
2	12	18 Amps	BH-BKM/BSM/2BKM 22	BH-BKM/BSM/2BKM 22-380-*	BH-BKM/BSM/2BKM 22-380-*/*/*/*
3	14	15 Amps	BH-BKM/BSM/2BKM 34	BH-BKM/BSM/2BKM 34-198-*	BH-BKM/BSM/2BKM 34-198-*/*/*/*
4	14	15 Amps	BH-BKM/BSM/2BKM 44	BH-BKM/BSM/2BKM 44-193-*	BH-BKM/BSM/2BKM 44-193-*/*/*/*

See pages 37-38 for dimensional drawings.

* Length in meters. Standard cable lengths are 2, 5 and 10 meters. Consult factory for other lengths.

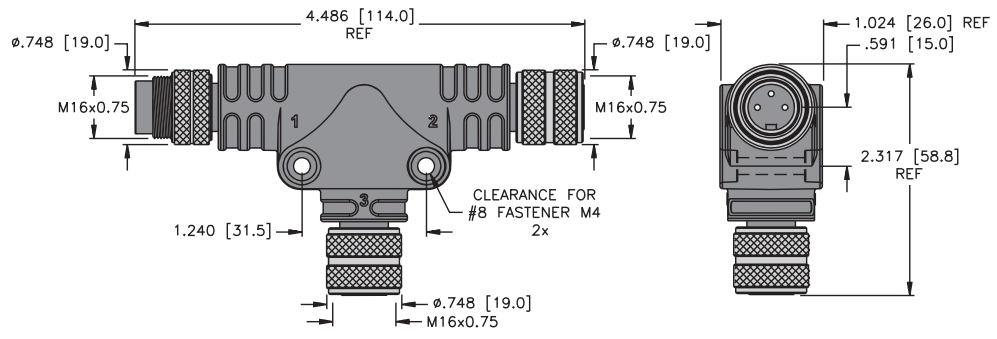
Note: Standard coupling nut material is nickel plated brass. Consult Part Number Key (page 27) for nylon and 316 stainless steel options.

M16 powerfast

M16 powerfast Tee Dimensions

17

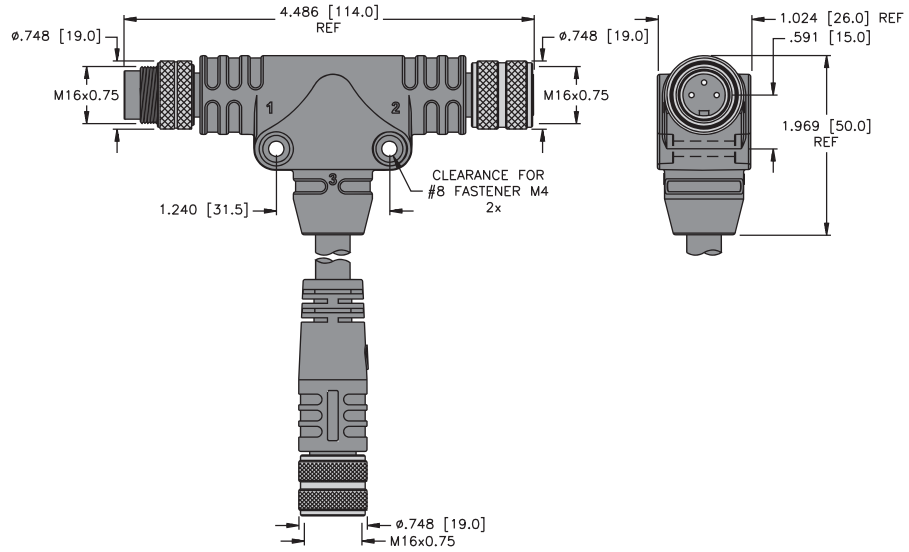
**Integral M16 Power Connector Drop
BSM/2BKM..**



M16 powerfast Tee Dimensions

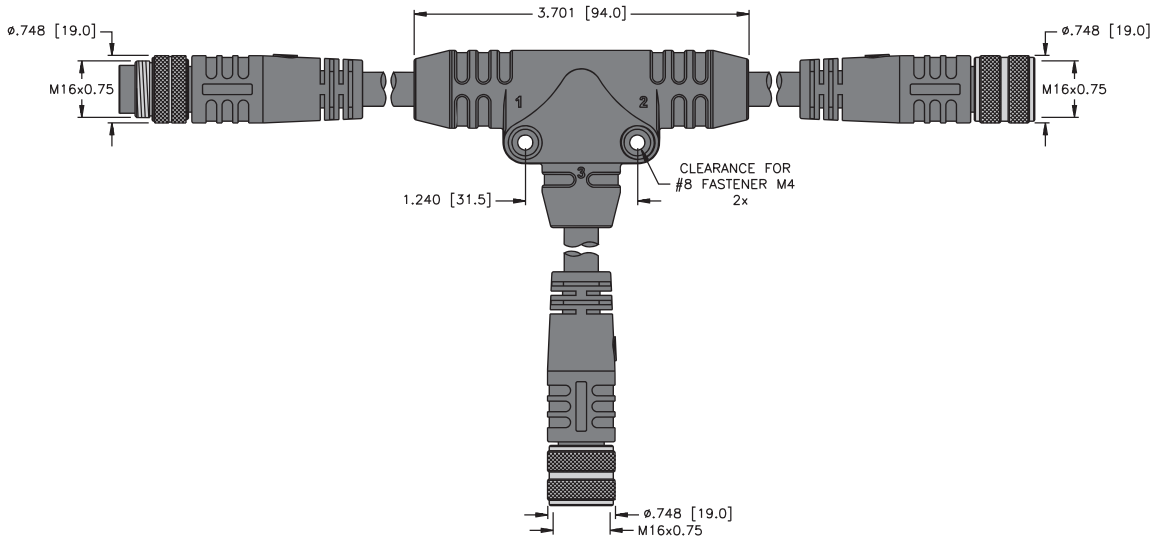
18

**Cable Drop with M16 Power Connector
BSM/2BKM..**



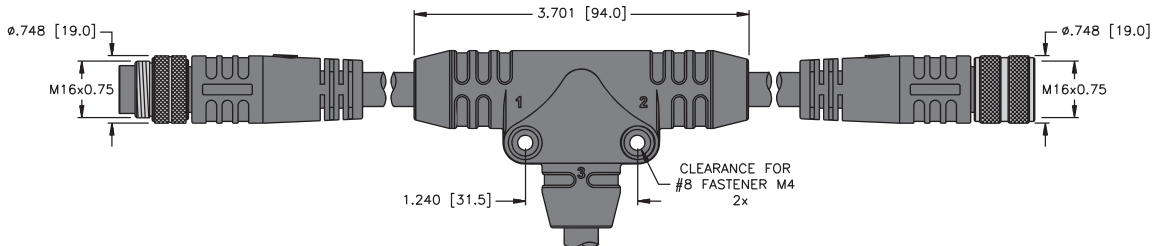
19

**Cable Trunk and Cable Drop with M16 Power Connectors
BSM/2BKM..**



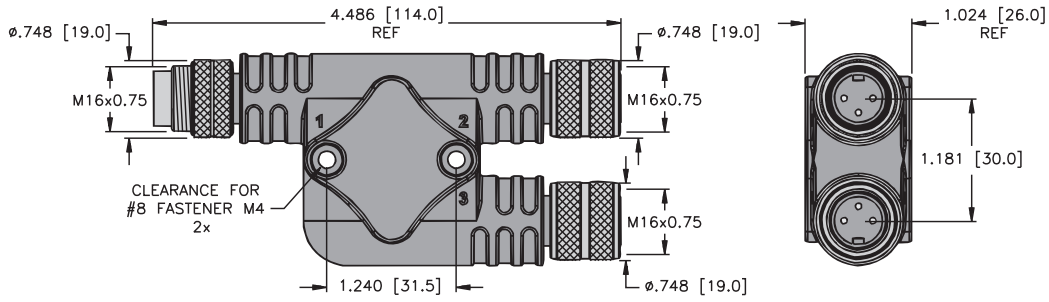
20

**Cable Drop
BSM/BKM/T..**

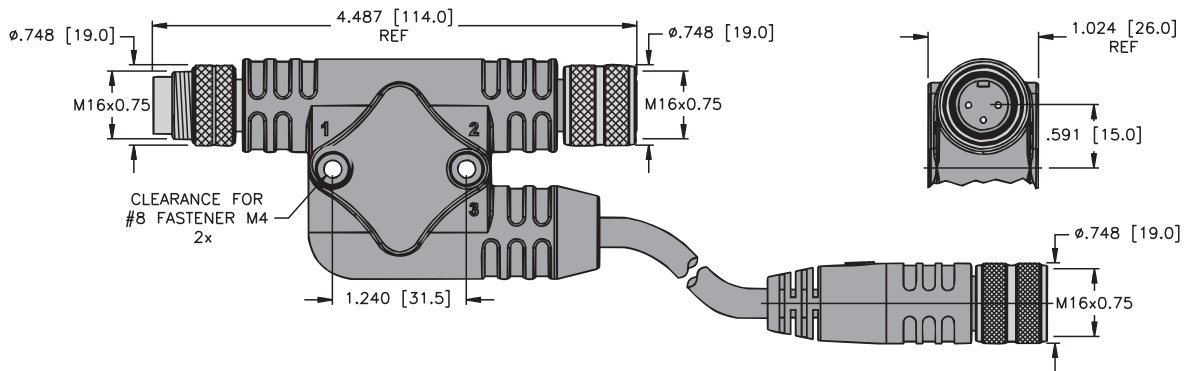


M16 powerfast h-Style Tee Dimensions

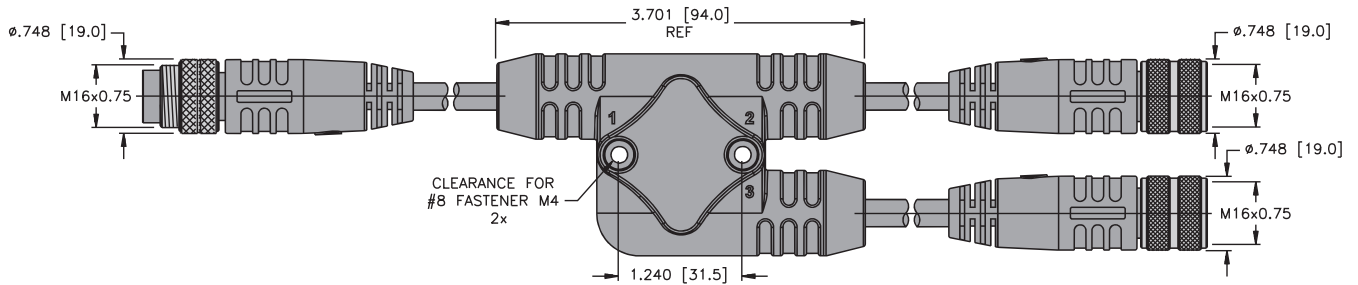
21 Integral M16 Power Connector Drop, Trunk #1 Male SH-BSM/2BKM..



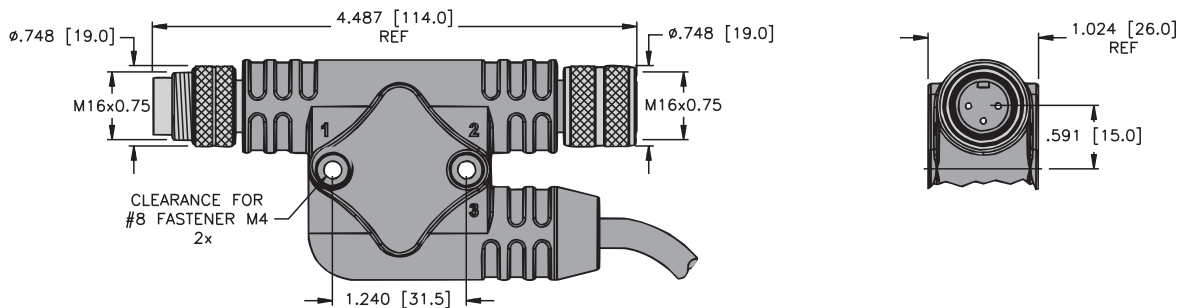
22 Cable Drop with M16 Power Connector, Trunk #1 Male SH-BSM/2BKM..



23 Cable Trunk and Cable Drop with M16 Power Connectors, Trunk #1 Male SH-BSM/2BKM..



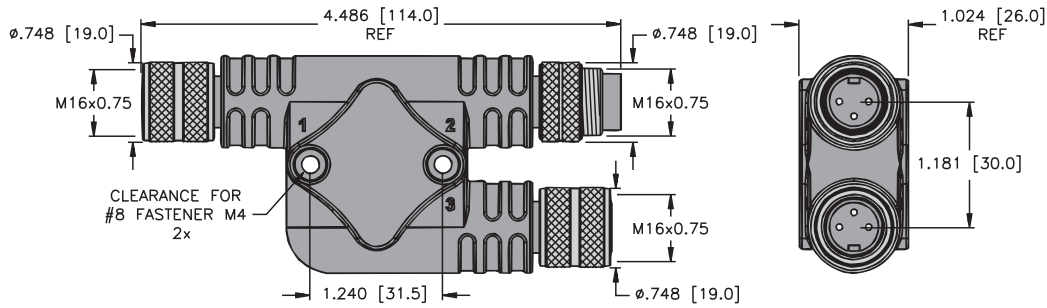
24 Cable Drop, Trunk #1 Male SH-BSM/BKM/T..



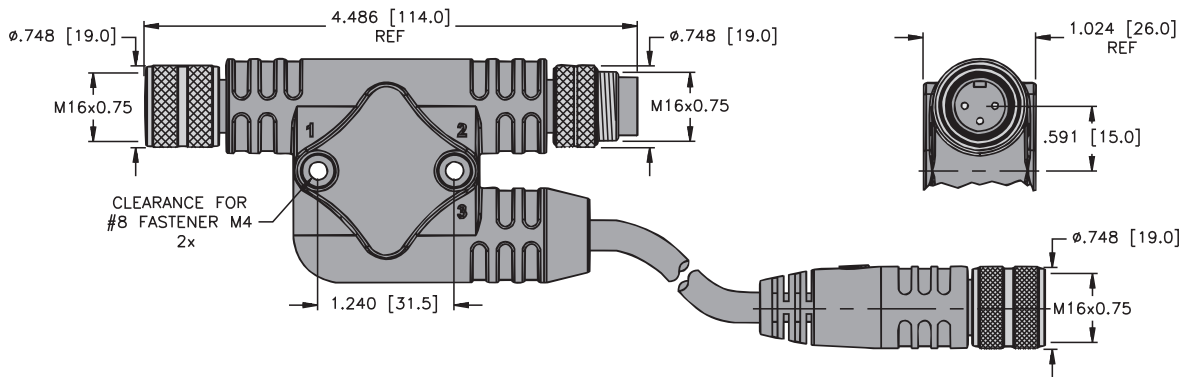
M16 powerfast

M16 powerfast h-Style Tee Dimensions

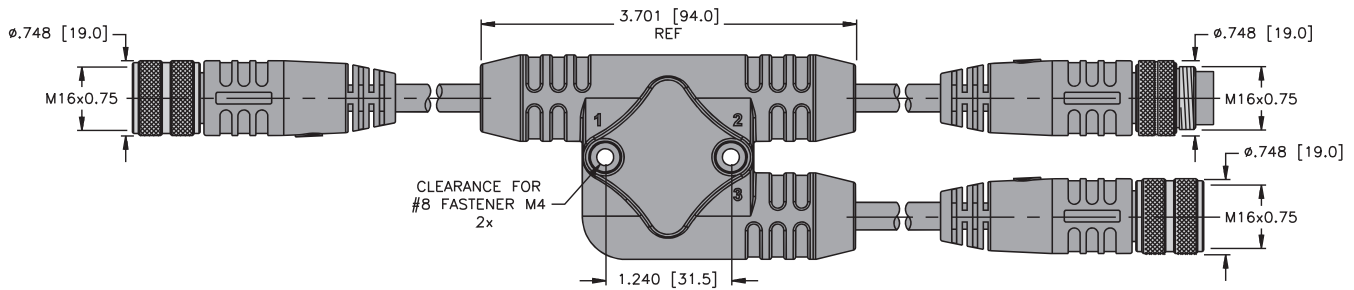
25 Integral M16 Power Connector Drop, Trunk #2 Male SH-BKM/BSM/BKM..



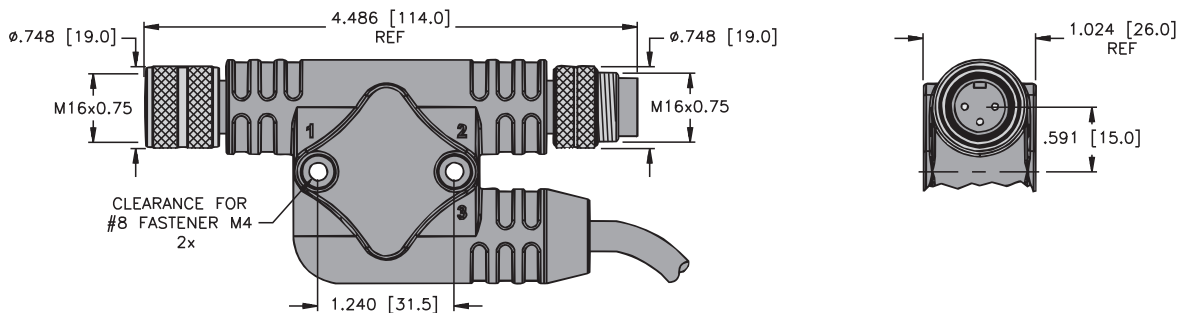
26 Cable Drop with M16 Power Connector, Trunk #2 Male SH-BKM/BSM/BKM..



27 Cable Trunk and Cable Drop with M16 Power Connectors, Trunk #2 Male SH-BKM/BSM/BKM..

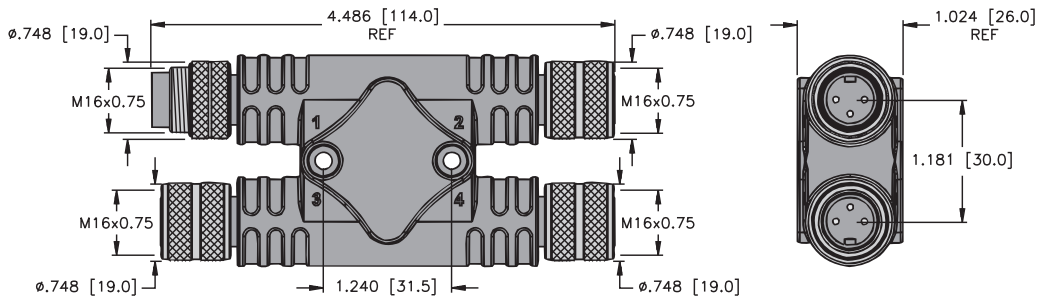


28 Cable Drop, Trunk #2 Male SH-BKM/BSM/T..

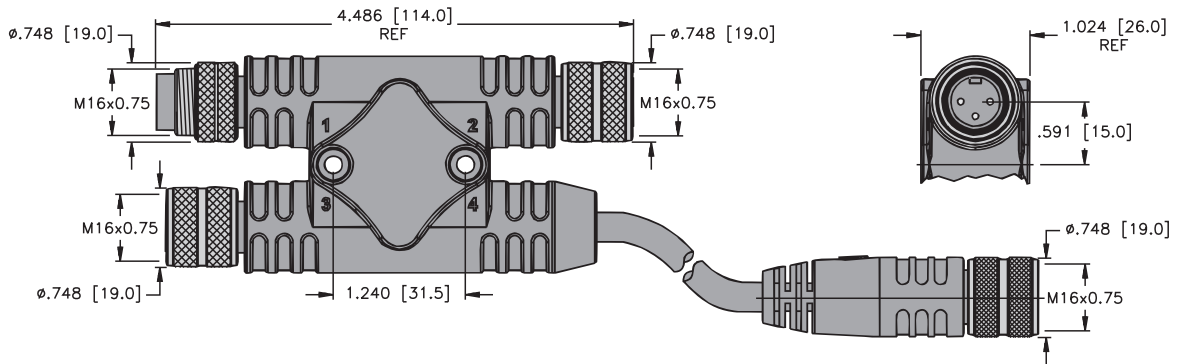


M16 powerfast H-Style Tee Dimensions

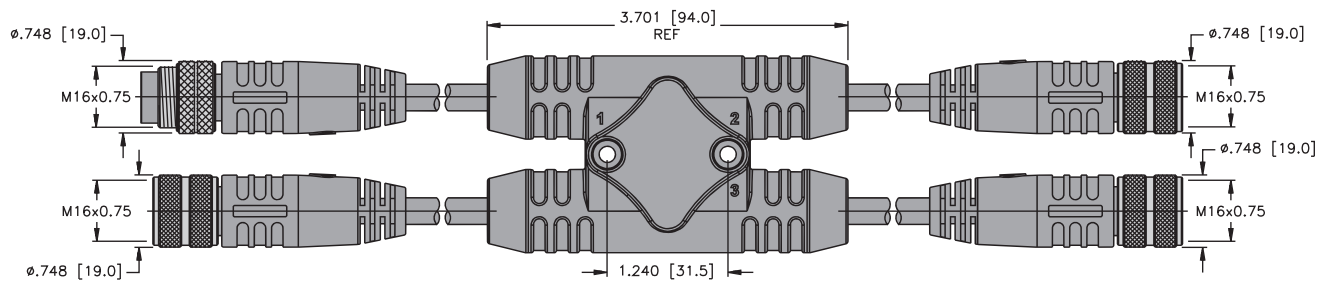
29 Integral M16 Power Connector Drop, Trunk #1 Male
BH-BSM/3BKM..



30 Cable Drop with M16 Power Connector, Trunk #1 Male
BH-BSM/3BKM..



31 Cable Trunk and Cable Drop with M16 Power Connectors, Trunk #1 Male
BH-BSM/3BKM..

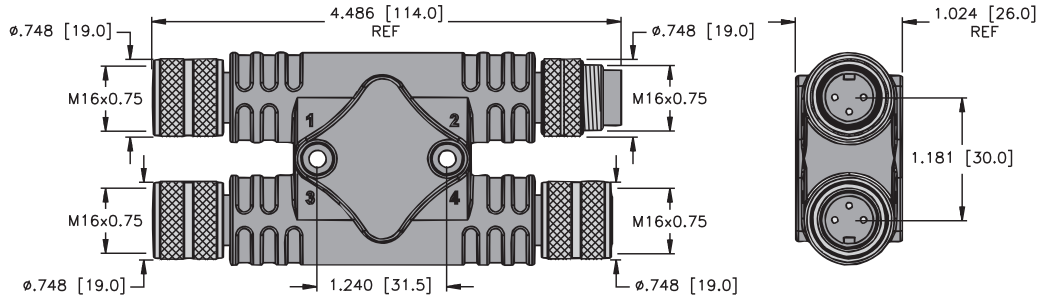


M16 powerfast

M16 powerfast H-Style Tee Dimensions

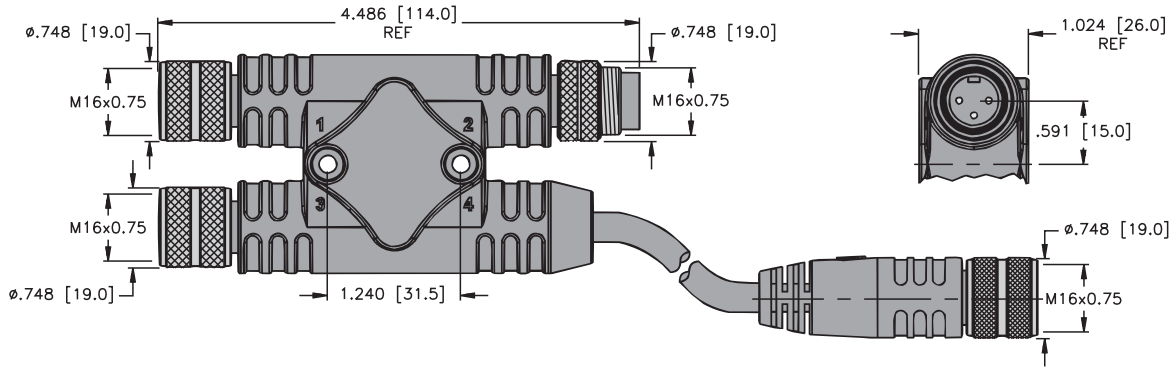
32

**Integral M16 Power Connector Drop, Trunk #2 Male
BH-BKM/BSM/2BKM..**



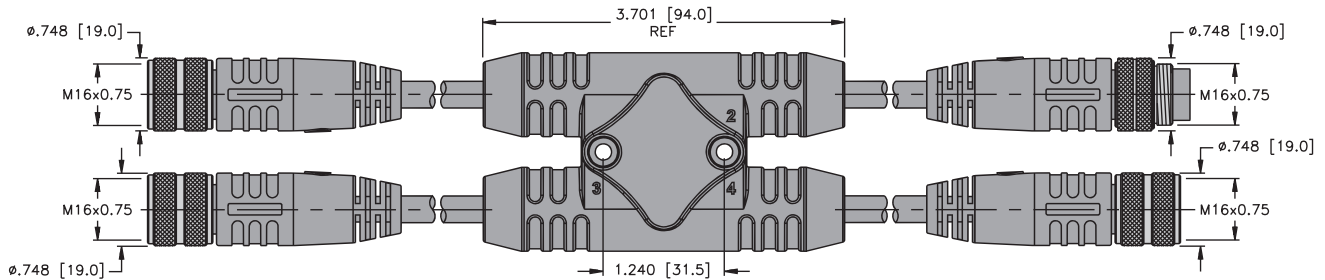
33

**Cable Drop with M16 Power Connector, Trunk #2 Male
BH-BKM/BSM/2BKM..**

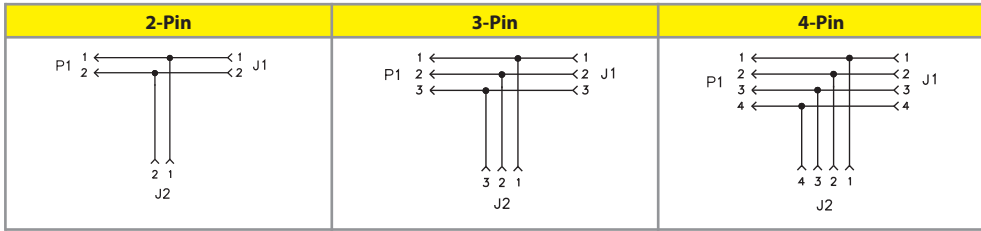


34

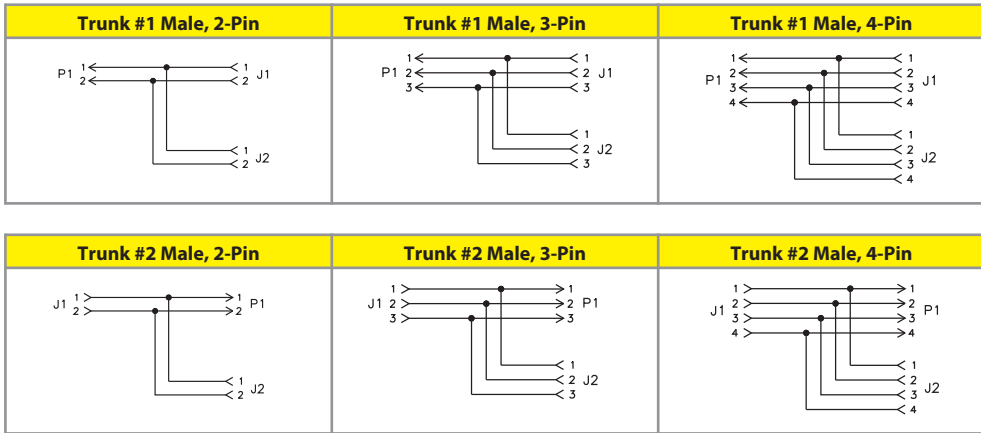
**Cable Trunk and Cable Drop with M16 Power Connectors, Trunk #2 Male
BH-BKM/BSM/2BKM..**



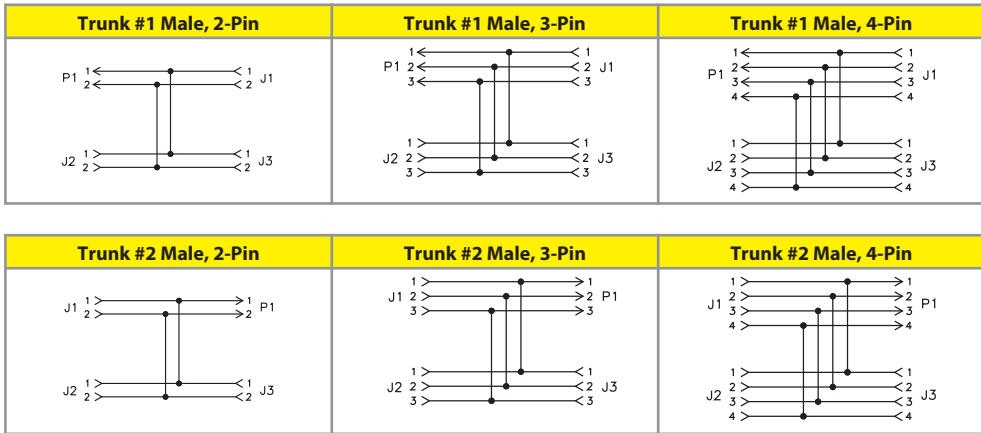
M16 powerfast Tee Wiring Diagrams



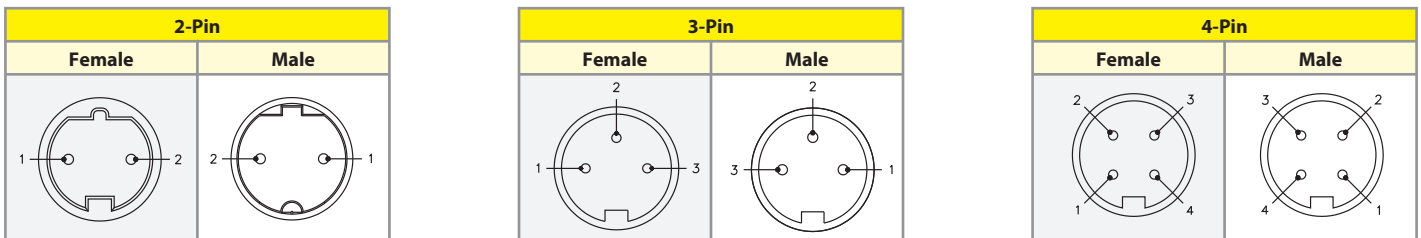
M16 powerfast h-Style Tee Wiring Diagrams



M16 powerfast H-Style Tee Wiring Diagrams



M16 powerfast Tee Pinouts



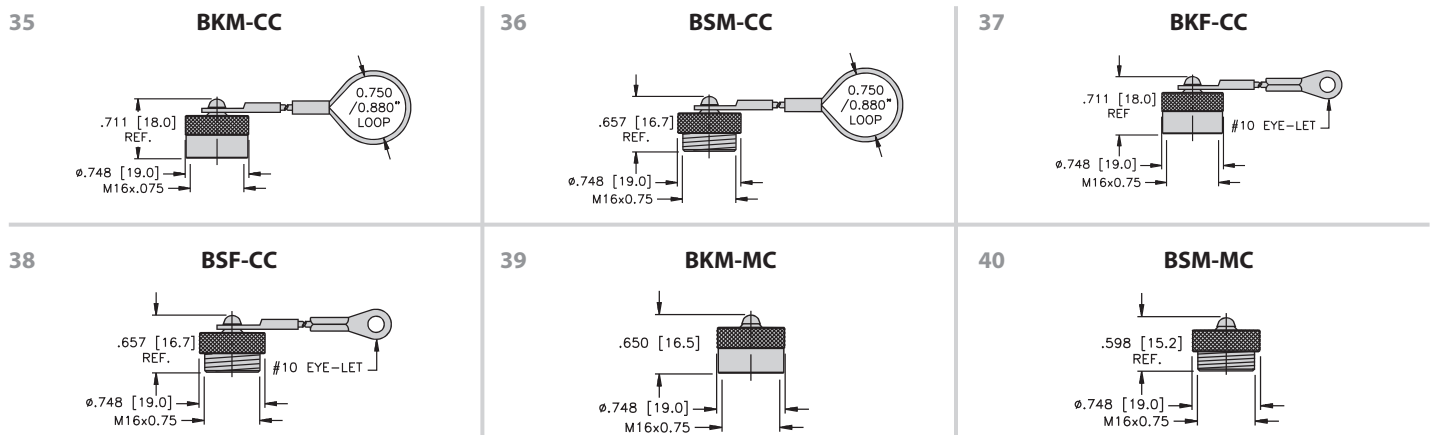
M16 powerfast

M16 powerfast Closure Cap Selection Matrix

		35	36	37	38	39	40
		Mates to male cordsets and receptacles	Mates to female cordsets and receptacles	Mates to male receptacles	Mates to female receptacles	Mates to male cordsets and receptacles	Mates to female cordsets and receptacles
Material	Thread	6" Loop Lanyard	6" Loop Lanyard	6" Lanyard with Eyelet	6" Lanyard with Eyelet	No Lanyard	No Lanyard
Nickel Plated Brass	M16	BKM-CC	BSM-CC	BKF-CC	BSK-CC	BKM-MC	BSM-MC

See table below for dimensional drawings.

M16 powerfast Closure Cap Dimensions



M16 powerlok

Part Number	Application
LOCK-M16	Nylon locking guard for straight M16 powerfast connectors
LOCK-M16-TEE	Nylon locking guard for TEE M16 powerfast connectors



M16 powerlok Open



M16 powerlok Closed

Part Number Keys	J42
Cordset and Receptacle Specifications	J43
Cordset and Receptacle Selection Matrix	J44
Cordset and Receptacle Dimensions	J45
Cordset and Receptacle Pinouts	J46

Features

- Options for combination of power and signal wires in one cable
- Shielded versions available
- 6 to 9-pin
- 12 to 14 AWG conductors for power, 18 AWG conductors for signal
- Up to 30 Amp, 600 Volt rated for power
- Up to 8 Amp, 300 Volt rated for signal
- AWM or tray rated-exposed run PVC cable
- IEC IP67 protection

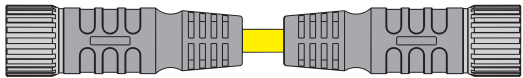


M23 powerfast Cordset Part Number Key

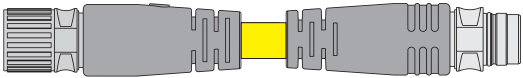
Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.

<p>M23 (23 mm) powerfast Cordset</p> <p>Gender</p> <p>K = female contact holder, female threads S = male contact holder, female threads SS = male contact holder, male threads</p> <p>Configuration</p> <p>M = straight WM = right angle (blank) = straight assembled connector</p> <p>Coupling Nut Material / Shielding</p> <p>(blank) = nickel plated brass V = stainless steel S = shielded</p>	<p>C K M</p>	<p>64-078 - * /S..</p>	<p>Varieties</p> <p>(blank) = PVC jacket /S90 = PUR jacket</p> <p>Length in Meters</p> <hr/> <p>Number of Wires / AWG / Color Codes</p> <p>64-078 = 6x14 AWG WH, RD, GN, OG, BK, BU 74-079 = 7x14 AWG WH/BK, BK, WH, RD, OG, BU, GN 94-080 = 3x14 & 6X18 AWG RD, WH, WH/BK, BU, OG, BK, GN/BK, GN, RD/BK 622-059 = 6x12 AWG BU, RD, GN, BN, OG, YE 822-287 = 4x12 & 4X18 AWG BU, GN, WH, BK, OG, RD, WH/BK, RD/BK 622-286 = 6x12 AWG BU, RD, GN, BN, OG, YE 822-288 = 4x12 & 4X18 AWG BU, GN, WH, BK, OG, RD, WH/BK, RD/BK</p> <hr/> <p>Insertion Point of Extension Cable 2nd Prefix*</p> <p>* Male connector listed 1st, female connector 2nd Example: CSM CKM 64-078-1</p>
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Extension Examples:



C **K** **M** **C** **K** **M** **74-079** - ***** **/S..**



C **SS** **M** **C** **K** **M** **622-059** - ***** **/S..**

M23 powerfast Receptacle Part Number Key

<p>M23 (23 mm) powerfast Receptacle</p> <p>Gender</p> <p>K = female contact holder, male threads S = male contact holder, male threads</p> <p>Designator for Receptacle</p>	<p>C K F</p>	<p>64-6 - *</p>	<p>Length in Meters</p> <hr/> <p>Number of Wires / AWG / Color Codes</p> <p>64-6 = 6x14 AWG WH, RD, GN, OG, BK, BU 74-7 = 7x14 AWG WH/BK, BK, WH, RD, OG, BU, GN 94-9 = 3x14 & 6X18 AWG RD, WH, WH/BK, BU, OG, BK, GN/BK, GN, RD/BK 622-6 = 6x12 AWG BU, RD, GN, BN, OG, YE 822-8 = 4x12 & 4X18 AWG BU, GN, WH, BK, OG, RD, WH/BK, RD/BK</p> <hr/> <p>Mounting Style</p> <p>(blank) = front mount D = rear mount F = flange MF = flange, rotating coupling nut L = front mount, long threads</p>
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M23 powerfast Single Keyway Cordset Specifications

Mechanical		Electrical	
Mold material/Color:	PUR/Black	Contact material:	Brass with gold plating
Contact carrier material:	Nylon or PBT	Cable jacket material/Color:	PVC/Yellow
Coupling nut material:		Ratings:	
Standard:	Nickel plated brass	Power:	20 Amps, 300 V
Additional options:	316 stainless steel	Signal:	8 Amps, 150 V
Environmental Protection:	IEC IP67		
Temperature Rating:	-40 to +105°C (-40 to +221°F)		

M23 powerfast 3-Key Cordset Specifications

Mechanical		Electrical	
Mold material/Color:	PUR/Black	Contact material:	Brass with gold plating
Contact carrier material:	Nylon or PBT	Cable jacket material/Color:	TC-ER PVC/Yellow
Coupling nut material:		Ratings:	
Standard:	Nickel plated brass	Power:	30 Amps, 600 V
Environmental Protection:	IEC IP67	Signal:	9 Amps, 300 V
Temperature Rating:	-40 to +90°C (-40 to +194°F)		

M23 powerfast Single Keyway Receptacle Specifications

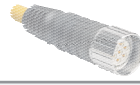


Mechanical		Electrical	
Contact carrier material:	Nylon or PBT	Contact material:	Brass with gold plating
Housing material/Plating:		Conductor insulation:	PVC
Standard:	Nickel plated brass	Ratings:	
Additional options:	316 stainless steel	Power:	20 Amps, 300 V
Environmental Protection:	IEC IP67	Signal:	8 Amps, 150 V
Temperature Rating:	-30 to +90°C (-40 to +194°F)		

M23 powerfast 3-Key Receptacle Specifications





Mechanical		Electrical	
Contact carrier material:	Nylon or PBT	Contact material:	Brass with gold plating
Housing material/Plating:		Conductor insulation:	PVC
Standard:	Nickel plated brass	Ratings:	
Environmental Protection:	IEC IP67	Power:	30 Amps, 600 V
Temperature Rating:	-30 to +80°C (-40 to +176°F)	Signal:	9 Amps, 300 V

M23 powerfast





M23 powerfast Single Keyway Cordset Selection Matrix

			1 	1 	2 
			Straight Female	Straight Male	Straight Male
Pins	AWG	Current Rating	Single Keyway	Single Keyway	Single Keyway
6	14	20 Amps	CKM 64-078-*	CSM 64-078-*	CSSM 64-078-*
7	14	20 Amps	CKM 74-079-*	CSM 74-079-*	CSSM 74-079-*
9	3x14; 6x18	8 Amps (1-3,5,7,9), 20 Amps (4,6,8)	CKM 94-080-*	CSM 94-080-*	CSSM 94-080-*


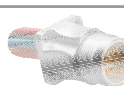

M23 powerfast 3-Key Cordset Selection Matrix

			3 	4 	5 	6 
			Straight Female	Straight Male	Right Angle Female	Right Angle Male
Pins	AWG	Current Rating	3-Key	3-Key	3-Key	3-Key
6	12	30 Amps	CKM 622-059-*	CSSM 622-059-*	CKWM 622-059-*	CSSWM 622-059-*
8	4x12; 4x18	9 Amps (A-D), 30 Amps (1-4)	CKM 822-287-*	CSSM 822-287-*	CKWM 822-287-*	CSSWM 822-287-*
Pins	AWG	Current Rating	Shielded 3-Key	Shielded 3-Key	Shielded 3-Key	Shielded 3-Key
6	12	30 Amps	CKMS 622-286-*	CSSMS 622-286-*	CKWMS 622-286-*	CSSWMS 622-286-*
8	4x12; 4x18	9 Amps (A-D), 30 Amps (1-4)	CKMS 822-288-*	CSSMS 822-288-*	CKWMS 822-288-*	CSSWMS 822-288-*

M23 powerfast Single Keyway Receptacle Selection Matrix

			7 	7 	8 	8 
			Female	Male	Female	Male
Pins	AWG	Current Rating	M20 Mount, Standard Thread	M20 Mounting, Standard Thread	M20 Mounting, Long Thread	M20 Mounting, Long Thread
6	14	20 Amps	CKF 64-6-*	CSF 64-6-*	CKFL 64-6-*	CSFL 64-6-*
7	14	20 Amps	CKF 74-7-*	CSF 74-7-*	CKFL 74-7-*	CSFL 74-7-*
9	3x14; 6x18	8 Amps (1-3,5,7,9), 20 Amps (4,6,8)	CKF 94-9-*	CSF 94-9-*	CKFL 94-9-*	CSFL 94-9-*

M23 powerfast 3-Key Receptacle Selection Matrix

			9 	10 	11 
			Female	Male	Male
Pins	AWG	Current Rating	Flange Mount	Flange Mount	M20 Mounting Thread
6	12	30 Amps	CKFMF 622-6-*	CSFF 622-6-*	CSF 622-6-*
8	4x12; 4x18	9 Amps (A-D), 30 Amps (1-4)	CKFMF 822-8-*	CSFF 822-8-*	CSF 822-8-*

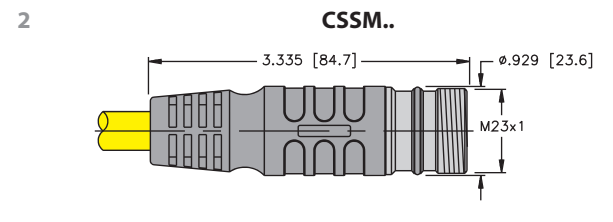
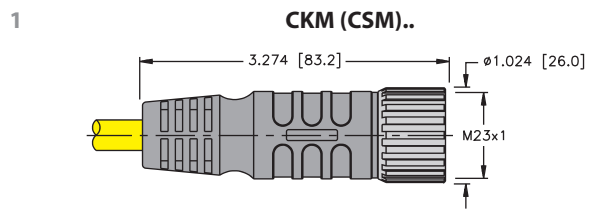
See pages 45-46 for dimensional drawings.

* Length in meters. Standard cable lengths are 2, 5 and 10 meters. Standard lead length is 0.5 meters. Consult factory for other lengths.

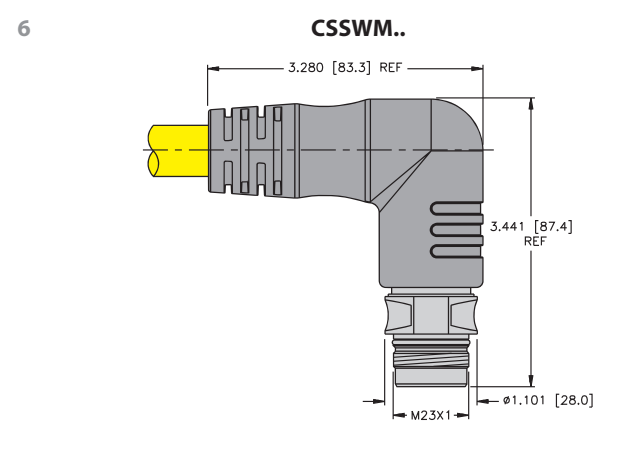
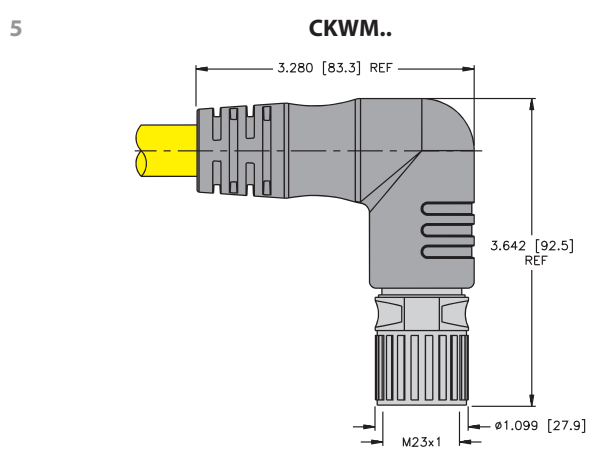
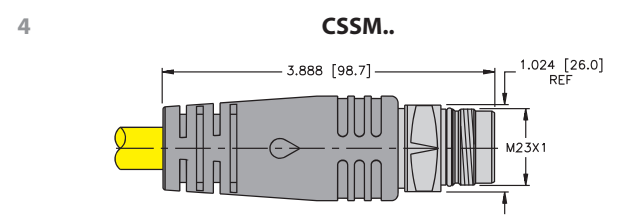
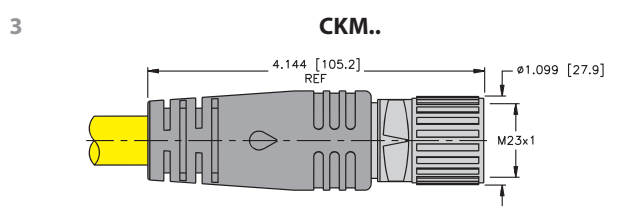
Note: Extension cables are available, please consult Part Number Key (page 42).

Standard coupling nut and housing material is nickel plated brass. Consult Part Number Key (page 42) for 316 stainless steel options.

M23 powerfast Single Keyway Cordset Dimensions

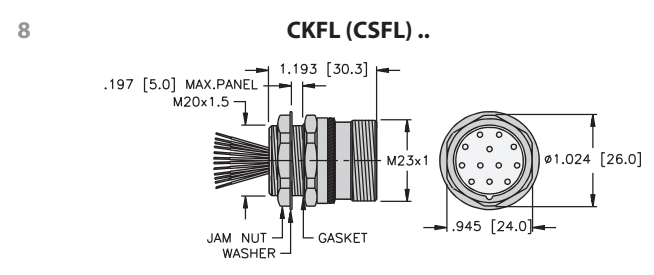
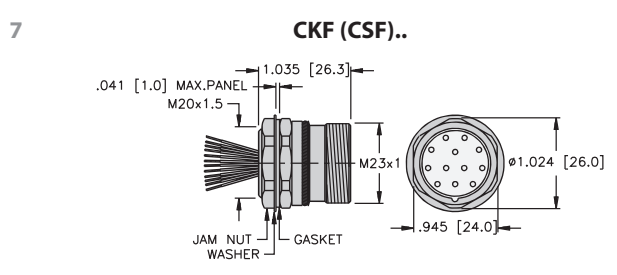


M23 powerfast 3-Key Cordset Dimensions



M23 powerfast

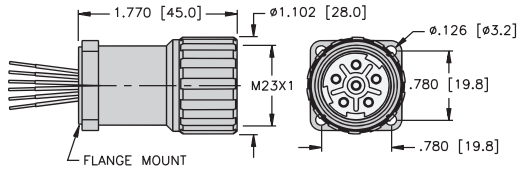
M23 powerfast Single Keyway Receptacle Dimensions



M23 powerfast 3-Key Receptacle Dimensions

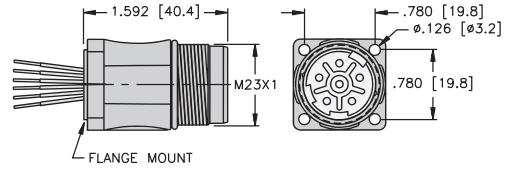
9

CKFMF..



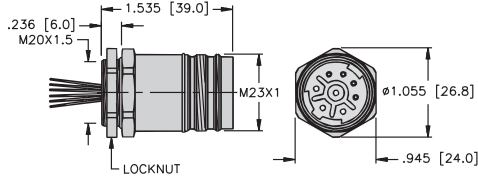
10

CSFF..



11

CSF..



M23 powerfast Single Key Cordset and Receptacle Pinouts

6-Pin		Pinouts	7-Pin		Pinouts
Female	Male		Female	Male	
		<ol style="list-style-type: none"> 1. WH 2. RD 3. GN 4. OG 5. BK 6. BU 			<ol style="list-style-type: none"> 1. WH/BK 2. BK 3. WH 4. RD 5. OG 6. BU 7. GN
			<ol style="list-style-type: none"> 1. RD 2. WH 3. WH/BK 4. BU 5. OG 6. BK 7. GN/BK 8. GN 9. RD/BK 		

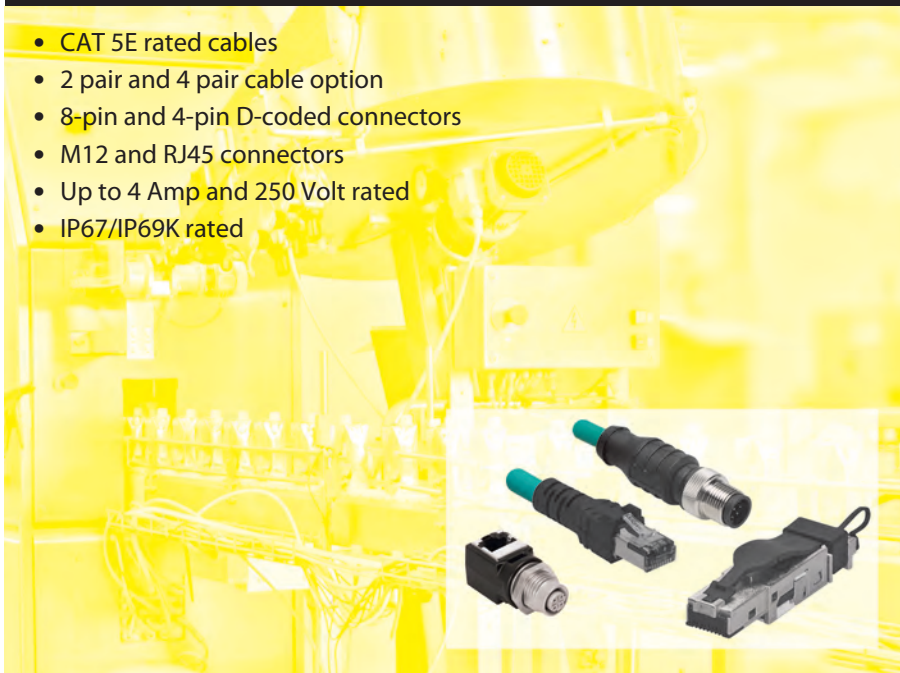
M23 powerfast 3-Key Cordset and Receptacle Pinouts

6-Pin, 3-Key		Pinouts	8-Pin, 3-Key		Pinouts
Female	Male		Female	Male	
		<ol style="list-style-type: none"> 1. BU 2. RD .. GN 4. BN 5. OG 6. YE 			<ol style="list-style-type: none"> 1. BU .. GN 3. WH 4. BK A. OG B. RD C. WH/BK D. RD/BK

Part Number Keys	K3
Cordsets	K6
Receptacles	K13
EtherNet/IP Cordsets	K16
Field Wireables	K24

Features

- CAT 5E rated cables
- 2 pair and 4 pair cable option
- 8-pin and 4-pin D-coded connectors
- M12 and RJ45 connectors
- Up to 4 Amp and 250 Volt rated
- IP67/IP69K rated



System Description

Ethernet is the most popular protocol used to connect office computers and peripherals today. It is increasingly finding its way into other applications, and is rapidly becoming the network of choice for higher level industrial control applications. Ethernet is primarily used to connect PLCs, computers, HMI displays and other high level components.

The term "Ethernet" actually refers to the lower level communication structure. Various different versions, or implementations, of Ethernet are available, such as Ethernet/IP™ and Modbus-TCP. It is important to note that while all of these different specifications use the same physical communication method and can operate on the same cable simultaneously, they cannot necessarily communicate with each other. For example, Modbus-TCP devices cannot communicate with Ethernet/IP devices. This is because the messages and communication protocol have been defined differently for these systems, even though the physical electrical structure is the same. Think of it as two people who speak different languages; they speak by moving air with their mouths, but the rules of the languages are different.

TURCK's BL67 Ethernet gateways provide a convenient way to connect industrial I/O devices directly to the Ethernet system, expediting monitoring and troubleshooting for the overall control scheme.

Typical System Configuration

Basic Parts List

A typical Ethernet system consists of the following parts:

- A - Controller
- B - Switches
- C - Ethernet I/O modules
- D - Ethernet cable
- E - Power supply

Ethernet I/O modules act as clients on a network. A server device is needed to retrieve data from and post data to the client. This is analogous to an office network, where the client PC on a user's desk may actively connect with multiple servers to access information in different areas of the enterprise. TURCK Ethernet stations are designed to be fully compatible with established Ethernet standards for industrial use.

Cordsets

TURCK offers a complete line of molded Ethernet cordsets to facilitate network installation, resulting in a faster start-up and fewer wiring errors. Cables are available with stranded or solid-core conductors, with or without shielding.

Most TURCK Ethernet equipment uses the 4 or 8-pin (M12) **eurofast**® connector specifications. These connectors provide a tough, rugged seal, and are IP 67 rated. In some cases (mainly in the control cabinet) a traditional RJ45 Ethernet connector needs to be used. TURCK provides RJ45 cordsets, as well as a variety of devices made to convert between RJ45 and **eurofast** connectors.

TURCK cordsets for the Ethernet system are available in standard lengths. Please contact your local sales representative to order custom lengths.

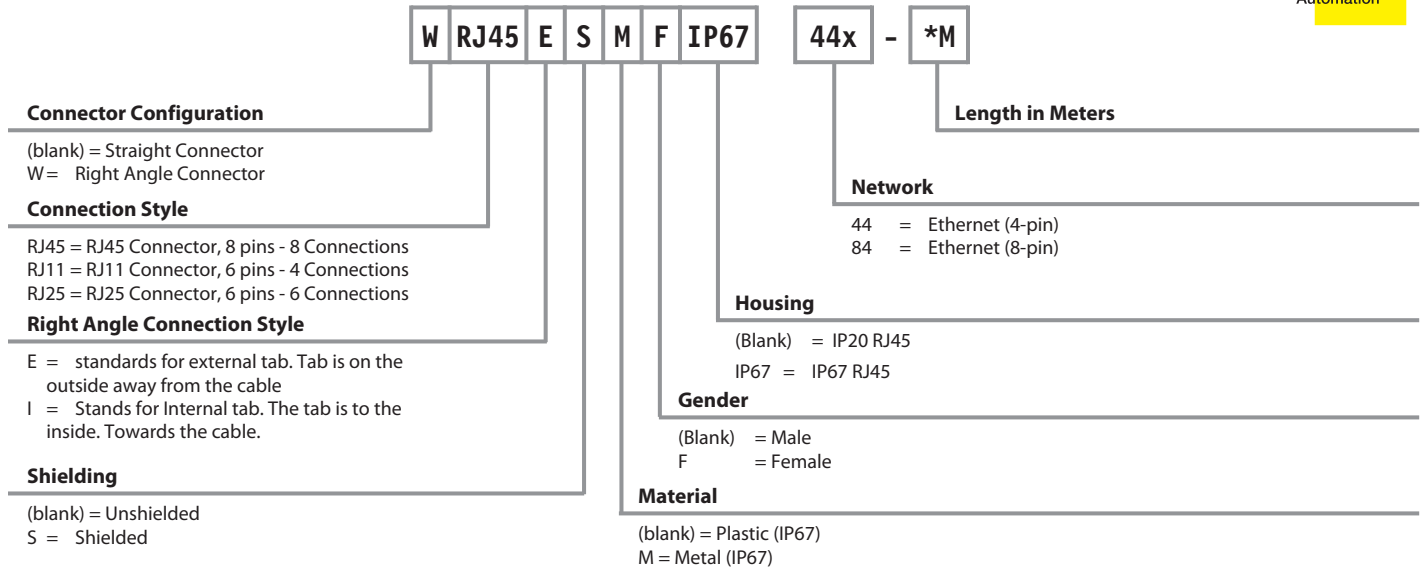
Addressing

Industrial Ethernet stations use the IP addressing scheme. An address defined by this scheme consists of four byte values usually displayed in decimal form, for example, 192.168.1.254. Different classifications of networks require different portions of this address to be constant for all devices on the network (referred to as a "subnet"). This means that the number of stations allowed on a particular network varies depending on what class of subnet is being used. If the first three bytes of the IP address are constant (which is common), then the remaining byte may be addressed between 2 and 254, resulting in 253 possible addresses.

Maximum Ratings

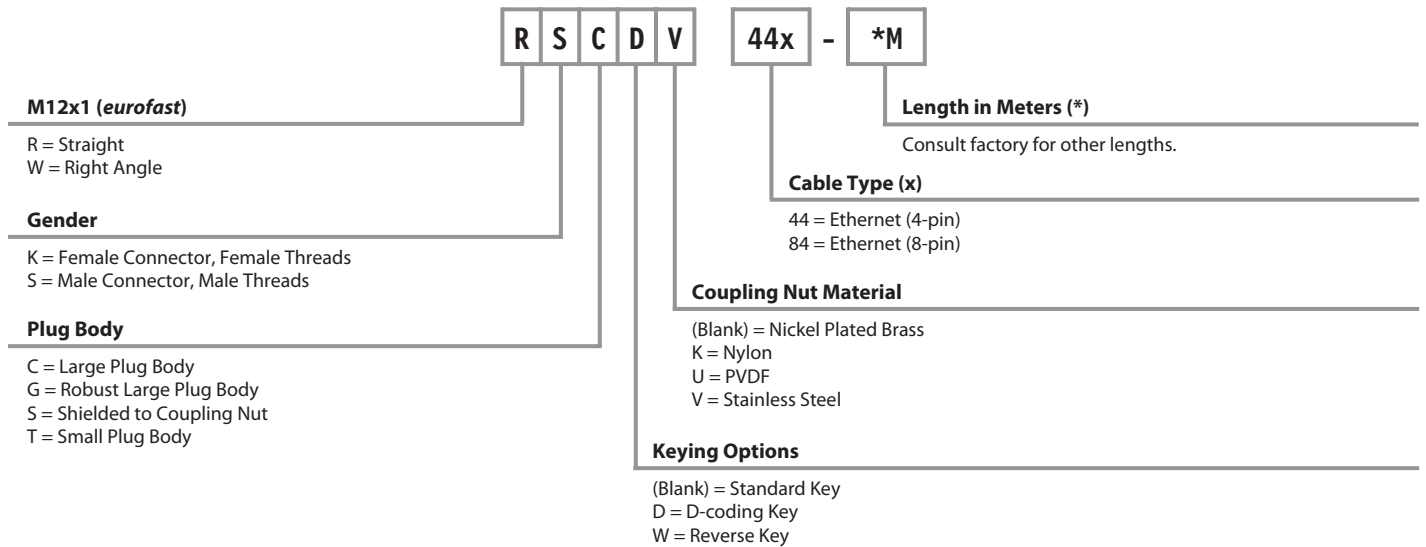
Ethernet allows different maximum cable lengths depending on the type of cable being used. Normally an Ethernet segment may be as long as 100 m, where 90 m must be solid core cable and the remaining 10 m can be stranded patch cords.

RJ Network Cordsets Part Number Key

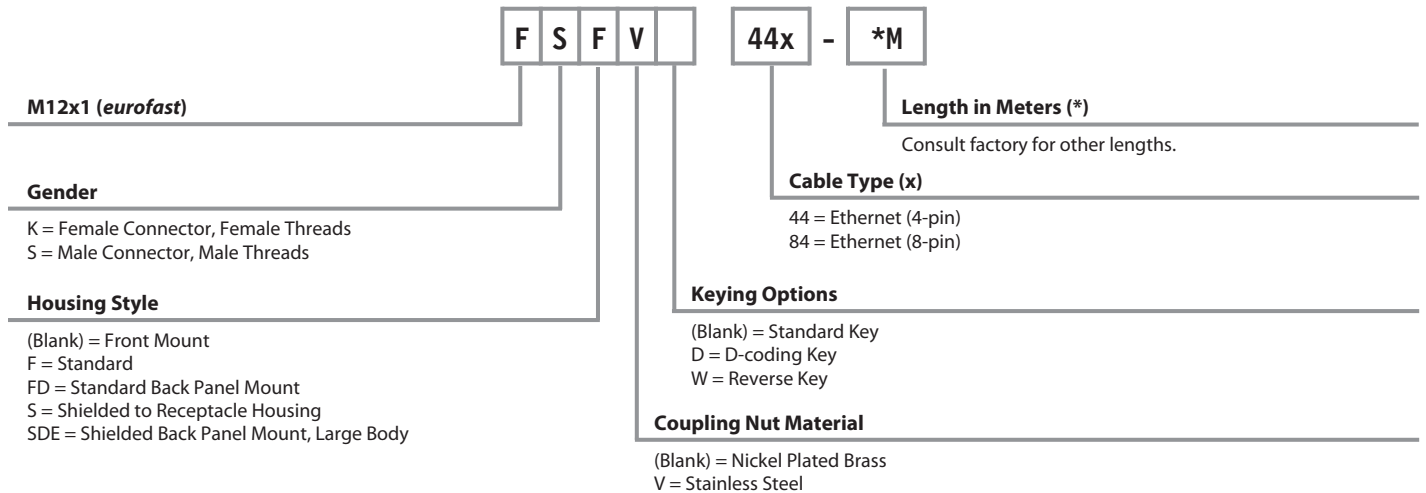


eurofast® Cordset Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



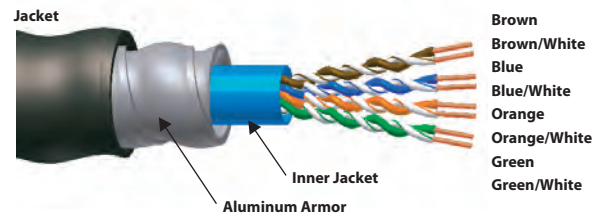
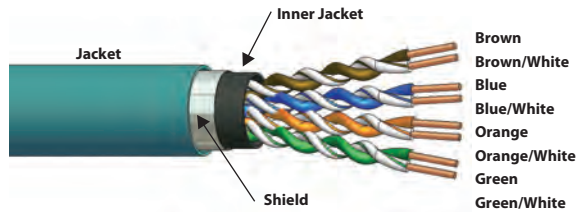
eurofast Receptacle Part Number Key



Notes:

Ethernet, Cable Specifications, 8-wire

- Cable that Meets the Requirements of TIA/EIA568-C Category 5e Cable for 10 and 100 Base-T Ethernet
- Cable is UL Rated for Sunlight and Oil Resistant



Maximum 100 meters of cable of which:

- 90 meters Horizontal Cable (SOLID - 842 or 843)
- 2 x 5 meters Patch Cables (STRANDED - 840 or 841)
- Direct Connect 30 M STRANDED

Type	Approvals	Data Pair		Outer Jacket	Shields	Bulk Cable Part Number / Weight/300 M
		AWG Color Code	DCR (/1000 feet) Insulation			
840 75°C 300 Volts	NEC CMR (ETL) CEC C (ETL)	8/24 AWG Stranded	28.6 Ohms PE	PVC Teal 6.6 mm (.256 in)	None	RB51460-*M 39 lbs. flexlife ⁺⁺
841 75°C 300 Volts	NEC CMR (ETL) CEC C (ETL)	8/24 AWG Stranded	28.6 Ohms PE	PVC Teal 7.5 mm (.286 in)	Foil/Braid	RB51461-*M 50 lbs. flexlife ⁺⁺
842 75°C 100 Volts	NEC CMR (ETL) CEC C (ETL)	8/24 AWG Solid	28.6 Ohms PE	PVC Teal 6.2 mm (.231 in)	None	RB51462-*M 39 lbs.
843 75°C 300 Volts	NEC CMR (ETL) CEC C (ETL)	8/24 AWG Solid	28.6 Ohms PE	PVC Teal 7.3 mm (.286 in)	Foil/Braid	RB51463-*M 50 lbs.
845 50°C 125 Volts	TSB-36 ISO/IEC 11801	8/26 AWG Stranded	37.3 Ohms PE	TPE Teal 6.3 mm (.248 in)	Foil/Braid	RB51305-*M 54 lbs. flexlife ⁺⁺⁺ Halogen Free
849A AWM 444 80°C 300 Volts	NEC CMG CEC HL CMG	8/24 AWG Solid	28.6 Ohms PO	PVC Black 14.1 mm (.530 in)	Foil/Braid Armor	RB51100-*M 159 lbs. armorfast [*]
8460 80°C 300 Volts	RoHS	8/24 AWG Standard	24.0 Ohms PE	TPE Teal 7.9 mm (.310 in)	None	RB51772-*M flexlife ⁺⁺⁺

* Indicates length in meters.

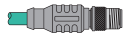
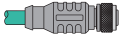






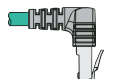


Standard spool lengths are 30, 75, 100, 150, 200, 225, 300 meters. Consult factory for other lengths.

++ 1 million cycles at 1.5" bend radius.

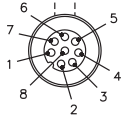
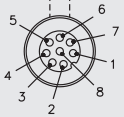
+++ 2 million cycles at 2.5" bend radius.


TURCK EtherNet™ Physical Media Connectivity

Ethernet, (M12x1) eurofast®, RJ45, Cable/Cordset Selection Matrix - Unshielded

		eurofast			
		Pin (Male)	Socket (Female)	Pin (Male)	Socket (Female)
		1  RSC	2  RKC	3  FSFD	4  FKFD
 Bare		RSC 84x-*M	RKC 84x-*M	FSFD 84x-*M	FKFD 84x-*M
eurofast	1  RSC	RSC RSC 84x-*M	RSC RKC 84x-*M	RSC FSFD 84x-*M	RSC FKFD 84x-*M
	2  RKC		RKC RKC 84x-*M	RKC FSFD 84x-*M	RKC FKFD 84x-*M
	7  RJ45			RJ45 FSFD 84x-*M	RJ45 FKFD 84x-*M
	8  WRJ45E			WRJ45E FSFD 84x-*M	WRJ45E FKFD 84x-*M
	9  RJ45MIP67			RJ45MIP67 FSFD 84x-*M	RJ45MIP67 FKFD 84x-*M
	10  RJ45IP67			RJ45IP67 FSFD 84x-*M	RJ45IP67 FKFD 84x-*M

See pages K10 - K11 for dimensional drawings.

eurofast	Pinouts	eurofast
Male 	1. White/Blue 2. White/Brown 3. Brown 4. Orange 5. White/Green 6. White/Orange 7. Blue 8. Green	Female 

Standard Pinout	RJ45 Plug	(CR) Pinout
1. White/Orange 2. Orange 3. White/Green 4. Blue 5. White/Blue 6. Green 7. White/Brown 8. Brown	Male  12345678	1. White/Green 2. Green 3. White/Orange 4. Blue 5. White/Blue 6. Orange 7. White/Brown 8. Brown

Ethernet, (M12x1) eurofast®, RJ45, Cable/Cordset Selection Matrix - Unshielded



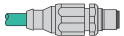


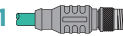


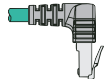

		eurofast			
		RJ45 Plug	WRJ45 Plug	RJ45MIP67 Plug	RJ45IP67 Plug
Continued		7 RJ45	8 WRJ45E	9 RJ45MIP67	10 RJ45IP67
Bare		RJ45 84x-*M	WRJ45E 84x-*M	RJ45MIP67 84x	RJ45IP67 84x
eurofast	Pin (Male)	1 RSC RJ45 84x-*M	RSC WRJ45E 84x-*M	RSC RJ45MIP67 84x	RSC RJ45IP67 84x
	Socket (Female)	2 RKC RJ45 84x-*M	RKC WRJ45E 84x-*M	RKC RJ45MIP67 84x	RKC RJ45IP67 84x
	RJ45 Plug	7 RJ45 RJ45 84x-*M		RJ45 RJ45MIP67 84x	RJ45 RJ45IP67 84x
	WRJ45 Plug	8 WRJ45E RJ45 84x-*M	WRJ45E WRJ45E 84x-*M	WRJ45 RJ45MIP67 84x	WRJ45E RJ45IP67 84x
	RJ45MIP67 Plug	9 RJ45MIP67		RJ45MIP67 RJ45MIP67 84x-*M	RJ45MIP67 RJ45IP67 84x
	RJ45IP67 Plug	10 RJ45IP67		RJ45IP67 RJ45MIP67 84x-*M	RJ45IP67 RJ45IP67 84x

See pages K10 - K11 for dimensional drawings.

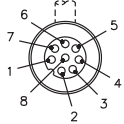
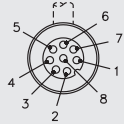
- * Indicates length in meters.
- x Indicates cable type.
Standard cable lengths are 1, 2, 4, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.
For stainless steel coupling nuts change part number RSC ... to RSCV, FKFD ... to FKFDV.
For cross-over cable, add "CR" to part number RJ45 RJ45 CR 84x-*M.
For right angle RJ45, select WRJ45I for internal tab or WRJ45E for external tab.

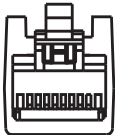
TURCK EtherNet™ Physical Media Connectivity

Ethernet, (M12x1) eurofast®, RJ45, Cable/Cordset Selection Matrix - Shielded

		eurofast			
		Pin (Male)	Socket (Female)	Pin (Male)	Socket (Female)
		1  RSS	2  RKS	5  FSSDE	6  FKSDE
 Bare		RSS 84x-*M	RKS 84x-*M	FSSDE 84x-*M	FKSDE 84x-*M
eurofast	1  RSS	RSS RSS 84x-*M	RSS RKS 84x-*M	RSS FSSDE 84x-*M	RSS FKSDE 84x-*M
	2  RKS		RKS RKS 84x-*M	RKSS FSSDE 84x-*M	RKS FKSDE 84x-*M
	7  RJ45S			RJ45S FSSDE 84x-*M	RJ45S FKSDE 84x-*M
	8  WRJ45ES			WRJ45 FSSDE 84x-*M	WRJ45 FKSDE 84x-*M
	9  RJ45SMIP67			RJ45SMIP67 FSSDE 84x-*M	RJ45SMIP67 FKSDE 84x-*M

See pages K10 - K11 for dimensional drawings.

eurofast	Pinouts	eurofast
Male 	1. White/Blue 2. White/Brown 3. Brown 4. Orange 5. White/Green 6. White/Orange 7. Blue 8. Green	Female 

Standard Pinout	RJ45 Plug	(CR) Pinout
1. White/Orange 2. Orange 3. White/Green 4. Blue 5. White/Blue 6. Green 7. White/Brown 8. Brown	Male  12345678	1. White/Green 2. Green 3. White/Orange 4. Blue 5. White/Blue 6. Orange 7. White/Brown 8. Brown

Ethernet, (M12x1) eurofast®, RJ45, Cable/Cordset Selection Matrix - Shielded

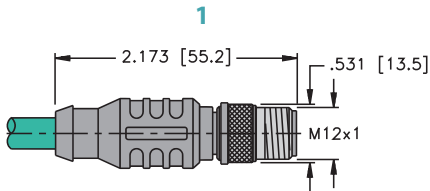
		RJ45 Plug	WRJ45 Plug	RJ45M IP67 Plug
		7 RJ45S	8 WRJ45ES	9 RJ45SMIP67
Bare		RJ45S 84x-*M	WRJ45ES 84x-*M	RJ45SMIP67 84x
eurofast	Pin (Male)	1 RSS RSS RJ45S 84x-*M	RSS WRJ45ES 84x-*M	RJ45SMIP67 84x
	Socket (Female)	2 RKS RKS RJ45S 84x-*M	RKS WRJ45ES 84x-*M	RJ45SMIP67 84x
	RJ45 Plug	7 RJ45S RJ45S RJ45S 84x-*M		RJ45SS RJ45SMIP67 84x
	WRJ45 Plug	8 WRJ45ES WRJ45ES RJ45S 84x-*M	WRJ45ES WRJ45ES 84x-*M	WRJ45ES RJ45SMIP67 84x
	RJ45M IP67 Plug	9 RJ45SMIP67		RJ45SMIP67 RJ45SMIP67 84x

See pages K10 - K11 for dimensional drawings.

- * Indicates length in meters.
- x Indicates cable type.
Standard cable lengths are 1, 2, 4, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.
For stainless steel coupling nuts change part number RSS ... to RSSV, FKSDE ... to FKSDEV.
For cross-over cable, add "CR" to part number RJ45S RJ45S CR 84x-*M.
For right angle RJ45, select WRJ45I for internal tab or WRJ45E for external tab.

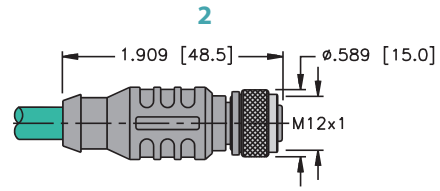
Specifications

Overmold:	TPU	Rated Voltage:	60 V
Coupling Nut:	Nickel Plated CuZn or Stainless Steel	Rated Current:	2 A
Contact Carrier:	TPU or POM (Nylon)	Ambient Temperature:	-40° to +75°C (32° to +167°F)
Contacts:	Gold Plated CuZn		
Protection:	NEMA 1, 3, 4, 6P and IEC IP 68		



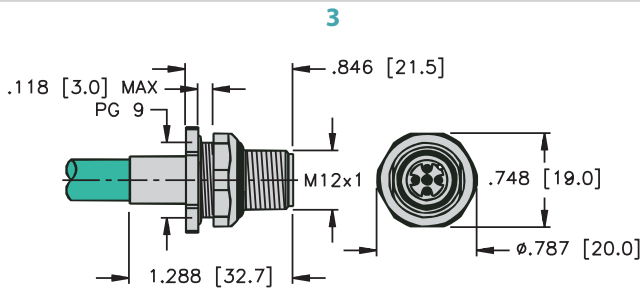
RSC/RSS ..

Pages K6



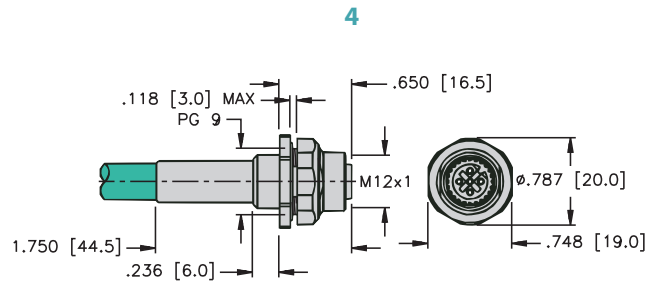
RKC/RKS ..

Pages K6



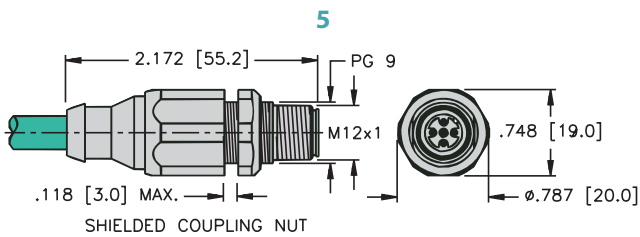
FSFD ..

Pages K6



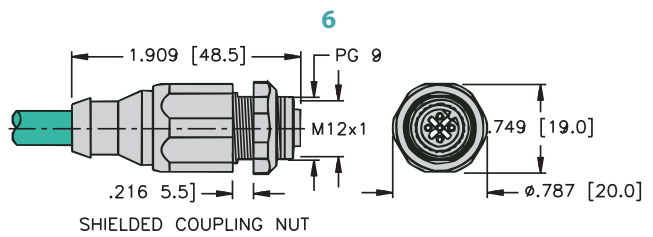
FKFD ..

Pages K6



FSSDE ..

Pages K8



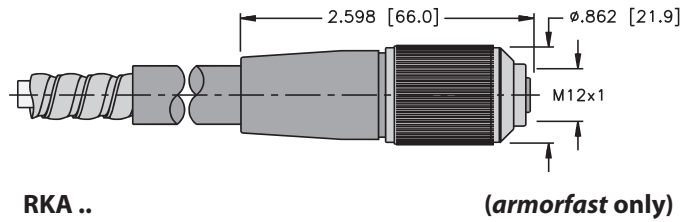
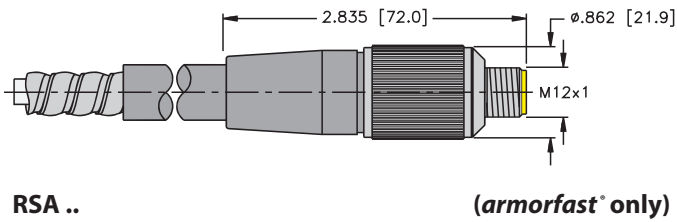
FKSDE ..

Pages K8

Ethernet, Armored M12 and RJ45 Connector Dimensions / Configuration

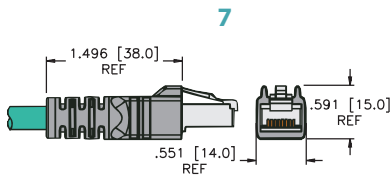
Specifications

Overmold:	TPU	Rated Voltage:	60 V
Coupling Nut:	Nickel Plated CuZn or Stainless Steel	Rated Current:	2 A
Contact Carrier:	TPU or POM (Nylon)	Ambient Temperature:	-40° to +75°C (-22° to +167°F)
Contacts:	Gold Plated CuZn		
Protection:	NEMA 1, 3, 4, 6P and IEC IP 68		

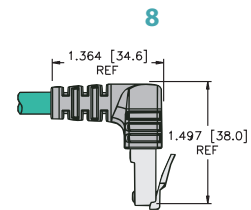


Specifications

Overmold:	TPU
Plug Material:	Polycarbonate
Protection:	NEMA 1 and IEC IP 20
Rated Voltage:	42 V
Rated Current:	1.5 A

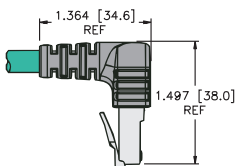


RJ45/RJ45S .. Page K6

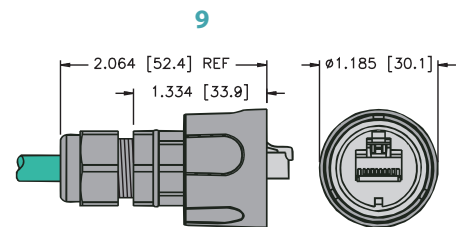


WRJ45E/WRJ45ES ..External tab Page K6

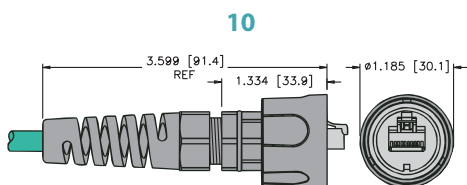
8 - Internal tab version



WRJ45I/WRJ45IS .. Internal tab version Page K6



RJ45MIP67/RJ45SMIP67.. Page K6



RJ45IP67 .. Page K6

TURCK EtherNet™ Physical Media Connectivity

Ethernet, Economy RJ45 to RJ45 Cordsets

- For "In the Panel" Applications Where Industrial Cordsets are not Needed
- Available in Yellow, 3 FT and 7 FT Lengths Only



Housing	Part Number	Application	Pinout
	RJ45 RJ45 840-3FT/ECON	<ul style="list-style-type: none"> • Ethernet patch cordsets for panel connections • Economy, non industrial 	<p>Male</p> <p>12345678</p>
	RJ45 RJ45 840-7FT/ECON		

RJ45 Plug	Pinout
<p>Male</p> <p>12345678</p>	<ol style="list-style-type: none"> 1. White/Orange 2. Orange 3. White/Green 4. Blue 5. White/Blue 6. Green 7. White/Brown 8. Brown

Ethernet, Circuit Board Connectors and OEM Receptacles, 8-wire

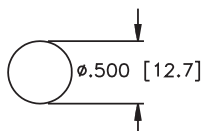
- Provides (M12x1) eurofast® 8-Pin Connection to Field Devices



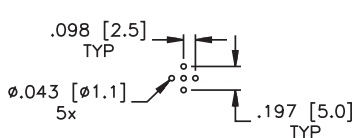
Housing	Female Part Number	Male Part Number	Features	Pinouts
<p>FK 84 PCB KIT</p> <p>FS 84 PCB KIT</p>	FK 84-PCB KIT	FS 84-PCB KIT	Nickel plated CuZn or stainless steel, 250 V, 4 A, -40° to +75°C, eurofast with mounting kit	<p>Female</p> <ol style="list-style-type: none"> 1. WH/BU 2. WH/BN 3. BN 4. OG 5. WH/GN 6. WH/OG 7. BU 8. GN
<p>FK 84 PCB</p> <p>FS 84 PCB</p>	FK 84-PCB	FS 84-PCB		

Standard housing material is nickel plated brass "FSV .."; "FKV .." indicates 316 stainless steel.

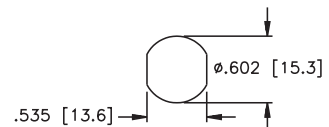
Panel Cutout
FK ... FS



Board Layout (reference only)
FK ... FS



Panel Cutout
FKFD ... FSFD



TURCK EtherNet™ Physical Media Connectivity

Ethernet, Circuit Board Connectors and OEM Receptacles, 8-wire

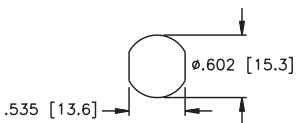
- Provides (M12x1) *eurofast*® 8-Pin Connection to Field Devices



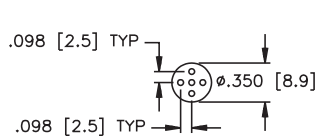
Housing	Female Part Number	Male Part Number	Features	Pinouts
<p>FKFD..</p>	FKFD 84-PCB	FSFD 84-PCB	Nickel plated CuZn or stainless steel 250 V, 4 A, -40° to +75°C, <i>eurofast</i> PCB pins	<p>Male</p>
<p>FSFD..</p>				
<p>FKFDL</p>	FKFDL 84	FSFDL 84	Nickel plated CuZn or stainless steel 250 V, 4 A, -40° to +75°C, male <i>eurofast</i> solder cups	<ol style="list-style-type: none"> WH/BU WH/BN BN OG WH/GN WH/OG BU GN
<p>FSFDL..</p>				<p>Female</p>
<p>WFS..</p>		WFS 84-PCB	Nickel plated CuZn or stainless steel 250 V, 4 A, -40° to +75°C, male <i>eurofast</i> right angle PCB pins	

Standard housing material is nickel plated brass "FKFD.."; "FKFDV.." indicates 316 stainless steel.

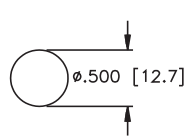
Panel Cutout
FKFD ... FSFD



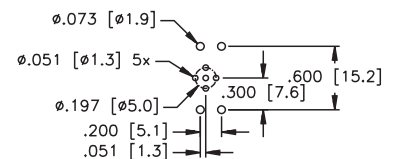
Board Layout (reference only)
FKFD ... FSFD



Panel Cutout
WFS

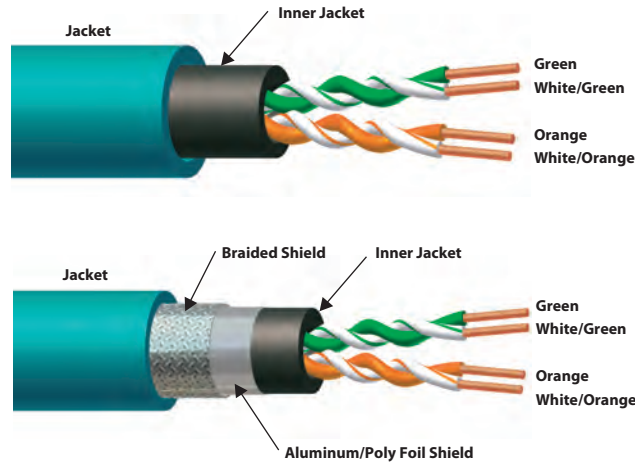


Board Layout (reference only)
WFS



Ethernet, Cable Specifications, 4-wire

- Cable that Meets the Requirements of TIA/EIA568-C Category 5e Performance Requirements Cable for 10 and 100 Base-T Ethernet
- Compliant with Ethernet/IP Standards
- Cable is UL Rated for Sunlight and Oil Resistant



Maximum 100 meters of cable of which:

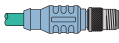
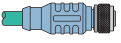
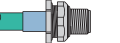


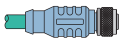




- 90 meters Horizontal Cable (SOLID - 442 or 443)
- 2 x 5 meters Patch Cables (STRANDED - 440 or 441)

Type	Approvals	Data Pair		Outer Jacket	Shields	Bulk Cable Part Number / Weight/300 M
		AWG Color Code	DCR (/1000 feet) Insulation	Material Color Nominal O.D.	Type	
440 75°C 300 Volts	NEC CMR CEC C(UL) CMR	4/24 AWG Stranded	28.6 Ohms PO	PVC Teal 6.9 mm (.270 in)	None	RB51210-*M 29 lbs.
441 75°C 300 Volts	NEC CMR CEC C(UL) CMR	4/24 AWG Stranded	28.6 Ohms PO	PVC Teal 7.2 mm (.285 in)	Foil/Braid	RB51211-*M 44 lbs.
442 75°C 300 Volts	NEC CMR CEC C(UL) CMR	4/24 AWG Solid	28.6 Ohms PO	PVC Teal 6.4 mm (.250 in)	None	RB51212-*M 27 lbs.
443 75°C 300 Volts	NEC CMR CEC C(UL) CMR	4/24 AWG Solid	28.6 Ohms PO	PVC Teal 7.1 mm (.280 in)	Foil/Braid	RB51213-*M 49 lbs.
4410 50°C 124 Volts	TSB-36 ISO/IEC 11801	4/26 AWG Stranded	37.3 Ohms PE	TPU Teal 6.1 mm (.240 in)	Foil/Braid	RB51306-*M 48 lbs. flexlife [†] Halogen Free
4460 80°C 124 Volts	RoHS	4/24 AWG Stranded	24.0 Ohms PE	TPE Teal 6.7 mm (.265 in)	None	RB51721 26 lbs. flexlife ^{††}

* Indicates length in meters.
Standard spool lengths are 30, 75, 100, 150, 200, 225, 300 meters. Consult factory for other lengths.
† 2.5 million flex motions at 12.5x cable diameter bend radius.
†† 2 million cycles @ 1.5 in minimum bend radius.

TURCK EtherNet/IP™ Physical Media Connectivity

Ethernet, (M12x1) eurofast®, RJ45 Cables and Extensions - Unshielded D-coded

		eurofast			
		Pin (Male)	Socket (Female)	Pin (Male)	Socket (Female)
		11  RSCD	12  RKCD	13  FSFDD	14  FKFDD
Bare		RSCD 44x-*M	RKCD 44x-*M	FSFDD 44x-*M	FKFDD 44x-*M
eurofast	Pin (Male)	11  RSCD	RSCD RKCD 44x-*M	RSCD FSFDD 44x-*M	RSCD FKFDD 44x-*M
	Socket (Female)	12  RKCD	RKCD RKCD 44x-*M	RKCD FSFDD 44x-*M	RKCD FKFDD 44x-*M
	RJ45 Plug	17  RJ45		RJ45 FSFDD 44x-*M	RJ45 FKFDD 44x-*M
	WRJ45 Plug	18  WRJ45E		WRJ45E FSFDD 44x-*M	WRJ45E FKFDD 44x-*M
	RJ45M IP67 Plug	19  RJ45MIP67		RJ45MIP67 FSFDD 44x-*M	RJ45MIP67 FKFDD 44x-*M
	RJ45 IP67 Plug	20  RJ45IP67		RJ45IP67 FSFDD 44x-*M	RJ45IP67 FKFDD 44x-*M

See pages K20 - K21 for dimensional drawings.

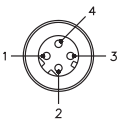
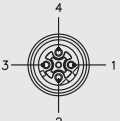
* Indicates length in meters.

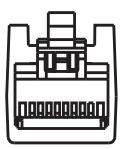
x Indicates cable type.

Standard cable lengths are 1, 2, 4, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.


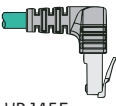


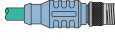

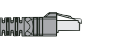



For stainless steel coupling nuts change part number RSCD ... RSCDV, FSFD ... FSFDV.

For right angle RJ45, select WRJ45I for internal tab or WRJ45E for external tab.

eurofast	Pinouts	eurofast
Male 	1. White/Orange (+ tx) 2. White/Blue (+rx) 3. Orange (-tx) 4. Blue (-rx)	Female 

RJ45 Pinout	RJ45 Plug	RJ45 (CR) Pinout
1. White/Orange 2. Orange 3. White/Blue 4. N/C 5. N/C 6. Blue 7. N/C 8. N/C	Male  12345678	1. White/Blue 2. Blue 3. White/Orange 4. N/C 5. N/C 6. Orange 7. N/C 8. N/C

Ethernet, (M12x1) eurofast®, RJ45, Cables and Extensions - Unshielded D-coded

		eurofast			
		Pin (Male)	Socket (Female)	Pin (Male)	Socket (Female)
		17  RJ45	18  WRJ45E	19  RJ45MIP67	20  RJ45IP67
Bare		RJ45 44x-*M	WRJ45E 44x-*M	RJ45MIP67 44x-*M	RJ45IP67 44x-*M
eurofast	Pin (Male)	11  RSCD RSCD RJ45 44x-*M	RSCD WRJ45E 44x-*M	RSCD RJ45MIP67 44x-*M	RSCD RJ45IP67 44x-*M
	Socket (Female)	12  RKCD RKCD RJ45 44x-*M	RKCD WRJ45E 44x-*M	RKCD RJ45MIP67 44x-*M	RKCD RJ45IP67 44x-*M
	RJ45 Plug	17  RJ45 RJ45 RJ45 44x-*M		RJ45 RJ45MIP67 44x-*M	RJ45 RJ45IP67 44x-*M
	WRJ45 Plug	18  WRJ45E WRJ45E RJ45 44x-*M	WRJ45E WRJ45E 44x-*M	WRJ45E RJ45MIP67 44x-*M	WRJ45E RJ45IP67 44x-*M
	RJ45M IP67 Plug	19  RJ45MIP67		RJ45MIP67 RJ45MIP67 44x-*M	
	RJ45 IP67 Plug	20  RJ45IP67		RJ45IP67 RJ45MIP67 44x-*M	RJ45IP67 RJ45IP67 44x-*M

See pages K20 - K21 for dimensional drawings.

* Indicates length in meters.


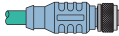
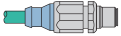
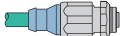
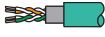
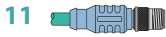



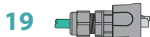
x Indicates cable type.

Standard cable lengths are 1, 2, 4, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.

For right angle RJ45, select WRJ45I for internal tab or WRJ45E for external tab.

TURCK EtherNet/IP™ Physical Media Connectivity

Ethernet, (M12x1) eurofast®, RJ45, Cables and Extensions - Shielded Cable D-coded

		eurofast				
		Pin (Male)	Socket (Female)	Pin (Male)	Socket (Female)	
		11  RSSD	12  RKSD	15  FSSDED	16  FKSDED	
 Bare		RSSD 44x-*M	RKSD 44x-*M	FSSDED 44x-*M	FKSDED 44x-*M	
eurofast	Pin (Male)	11  RSSD	RSSD RSSD 44x-*M	RSSD RKSD 44x-*M	RSSD FSSDED 44x-*M	RSSD FKSDED 44x-*M
	Socket (Female)	12  RKSD		RKSD RKSD 44x-*M	RKSD FSSDED 44x-*M	RKSD FKSDED 44x-*M
	RJ45 Plug	17  RJ45S			RJ45S FSSDED 44x-*M	RJ45S FKSDED 44x-*M
	WRJ45 Plug	18  WRJ45ES			WRJ45ES FSSDED 44x-*M	WRJ45ES FKSDED 44x-*M
	RJ45M IP67 Plug	19  RJ45SMIP67			RJ45SMIP67 FSD 84x-*M	RJ45SMIP67 FKFD 84x-*M

See pages K20 - K21 for dimensional drawings.

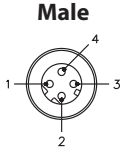
* Indicates length in meters.

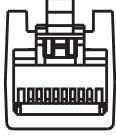
x Indicates cable type.

Standard cable lengths are 1, 2, 4, 5, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.




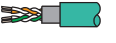

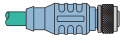


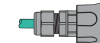
For stainless steel coupling nuts change part number RSSD ... RSSDV, FSSDED ... FSSDEDV.

For right angle RJ45, select WRJ45I for internal tab or WRJ45E for external tab.

eurofast	Pinouts	eurofast
Male	 <ol style="list-style-type: none"> White/Orange (+ tx) White/Green (+rx) Orange (-tx) Green (-rx) 	Female

RJ45 Pinout	RJ45 Plug	RJ45 (CR) Pinout
<ol style="list-style-type: none"> White/Orange Orange White/Green N/C N/C Green N/C N/C 	 12345678	<ol style="list-style-type: none"> White/Green Green White/Orange N/C N/C Orange N/C N/C

Ethernet, (M12x1) eurofast®, RJ45, Cables and Extensions - Shielded Cable D-coded

		eurofast		
		RJ45 Plug	WRJ45 Plug	RJ45 Plug
		17  RJ45S	18  WRJ45ES	19  RJ45SMIP67
 Bare		RJ45S 44x-*M	WRJ45ES 44x-*M	RJ45SMIP67 44x-*M
eurofast	Pin (Male) 11  RSSD	RSSD RJ45S 44x-*M	RSSD WRJ45ES 44x-*M	RSSD RJ45SMIP67 44x-*M
	Socket (Female) 12  RKSD	RKSD RJ45S 44x-*M	RKSD WRJ45ES 44x-*M	RKSD RJ45SMIP67 44x-*M
	RJ45 Plug 17  RJ45S	RJ45S RJ45S 44x-*M		RJ45S RJ45SMIP67 44x-*M
	WRJ45 Plug 18  WRJ45ES	WRJ45ES RJ45S 44x-*M	WRJ45ES WRJ45ES 44x-*M	WRJ45ES RJ45SMIP67 44x-*M
	RJ45M IP67 Plug 19  RJ45SMIP67			RJ45SMIP67 RJ45SMIP67 44x-*M

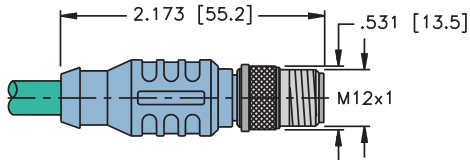
See pages K20 - K21 for dimensional drawings.

- * Indicates length in meters.
 - x Indicates cable type.
- Standard cable lengths are 1, 2, 4, 5, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.
 For stainless steel coupling nuts change part number RSSD ... RSSDV, FSSDED ... FSSDEDV.
 For right angle RJ45, select WRJ45I for internal tab or WRJ45E for external tab.

Specifications

Overmold:	TPU
Coupling Nut:	Nickel Plated CuZn or Stainless Steel
Contact Carrier:	TPU or POM (Nylon)
Contacts:	Gold Plated CuZn
Protection:	NEMA 1, 3, 4, 6P and IEC IP 68
Rated Voltage:	250 V
Rated Current:	4 A
Ambient Temperature:	-40° to +75°C (32° to +167°F)

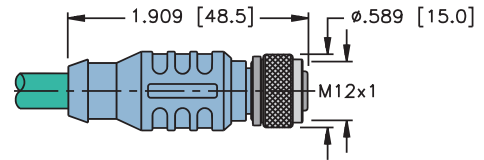
11



RSCD/RSSD ..

Pages K16

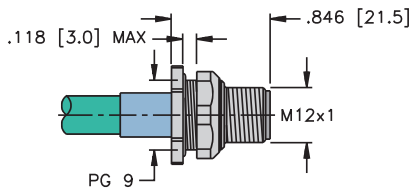
12



RKCD/RKSD ..

Pages K16

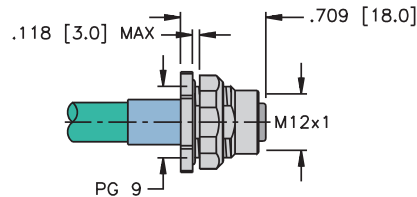
13



FSFDD ..

Pages K16

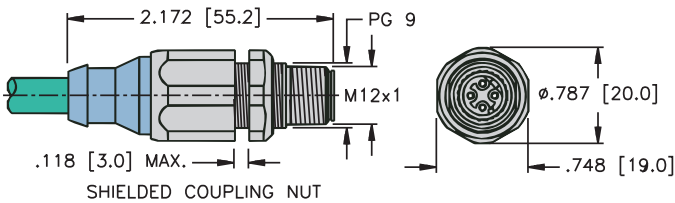
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FKFDD ..

Pages K16

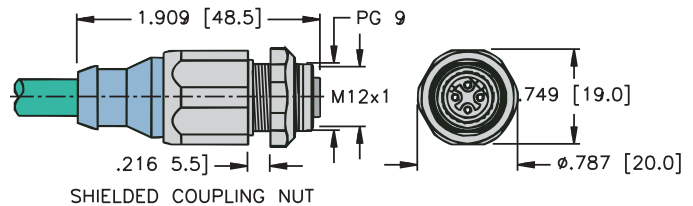
15



FSSDED ..

Pages K18

16



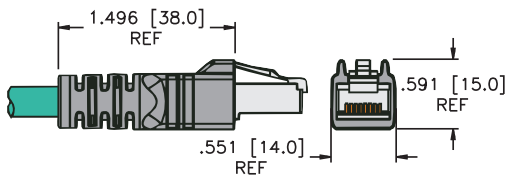
FKSDED ..

Pages K18

Specifications

Overmold:	TPU
Plug Material:	Polycarbonate
Protection:	NEMA 1, 3, 4, 6P and IEC IP 20
Rated Voltage:	42 V
Rated Current:	1.5 A
Ambient Temperature:	-25° to +75°C (-22° to +176°F)

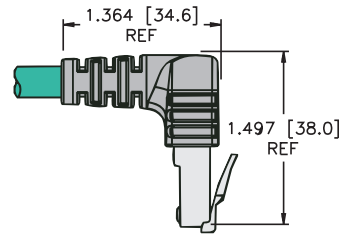
17



RJ45/RJ45S ..

Page K16

18

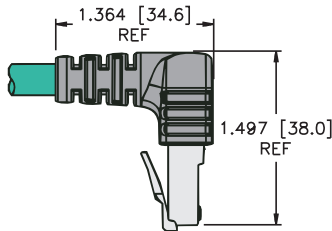


External Tab

WRJ45E/WRJ45ES ..

Page K16

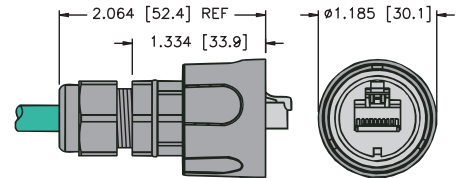
18



WRJ45I/WRJ45IS ..

Internal tab version

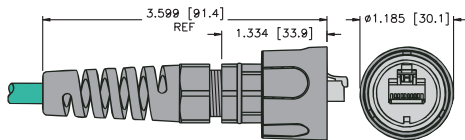
19



RJ45MIP67/RJ45SMIP67..

Page K16

20



RJ45IP67 ..

Page K16

TURCK EtherNet/IP™ Physical Media Connectivity

Ethernet, Receptacle

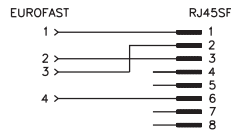
- Transitions from a RJ45 Connector to a 4-wire *eurofast*® Connector



Housing Style	Part Number	Features
	FKSDD RJ45SF 44	Polyurethane, TPU Overmold, 42 V, 1.5 A, -40° to +75°C

Panel mounting clearance hole 19/32" (15 mm). Panel thickness: .060-.120" (1.5-3 mm)

Wiring Diagram

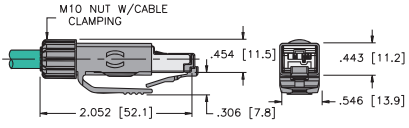

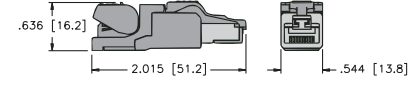
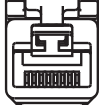
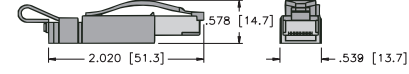



RJ45 Receptacle	Pinouts	<i>eurofast</i> Female
<p>Female</p>	<ol style="list-style-type: none"> 1. White/Orange (+TX) 2. Orange (-TX) 3. White/Green (+RX) 4. N/C 5. N/C 6. Green (-RX) 7. N/C 8. N/C 	<p>Female</p>


Ethernet, RJ45 Field Wireable

- Allows for Quick Connections in the Field
- Fully Shielded
- Includes Assembly Instructions



Housing	Part Number	Features	Pinout
	Connector, RJ45S IDC	22-24 AWG stranded, 22-23 AWG solid, -40° to +70°C	Male 
	Connector, FW, RJ45S 84 IDC	22-27 AWG stranded, 22-24 AWG solid, -40° to +85°C, Cat 6	Male 
	Connector, FW, RJ45S 86 IDC CAT 6	22-26 AWG, -40° to +70°C, Cat 6A	Male 

Ethernet IP Media

RJ45 Plug	Pinout
Male 	1. White/Orange (+TX) 2. Orange (-TX) 3. White/Green (+RX) 4. N/C 5. N/C 6. Green (-RX) 7. N/C 8. N/C

TURCK EtherNet/IP™ Physical Media Connectivity

Ethernet, 4-Pin D-coded Field Wireables

- Allows for Quick Connections when Pre-Molded Cables are not Available
- Available in Male, Straight and Right Angle Connector Configurations

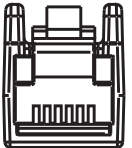


Housing Style	Female Part Number	Male Part Number	Features	Pinouts
<p>CMBD 81..</p>	CMBD 8141-0/PG9	CMBSD 8141-0/PG9	4 A, 250 V, -40 to +85°C, mates with female 4-pin D-coded eurofast™ cordsets and receptacles	<p>Female</p>
<p>CMBSD 81..</p>				
<p>CMBD 82..</p>	CMBD 8241-0/PG9	CMBSD 8241-0/PG9		<p>Male</p>
<p>CMBSD 82..</p>				

Ethernet®, RJ11 Cordsets

- Double Ended
- Available in 1, 2, 5 Meter Extended Lengths



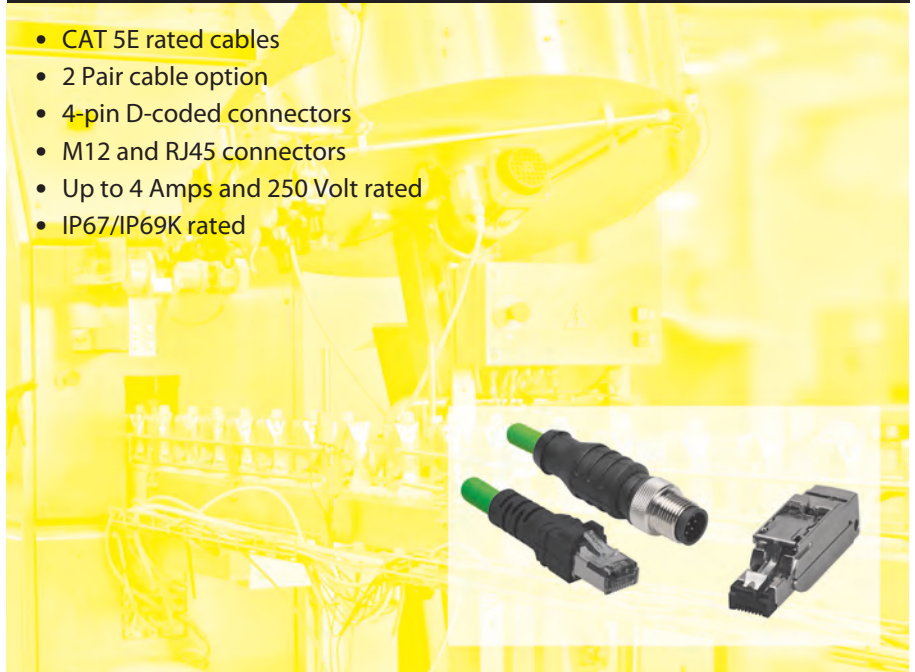
Part Number	Features	Pinouts	
RJ11S RJ11S 4412-*M	PVC, 1.5 A, 42 V, -40° to +75°C, industrial phone connection RJ11 connector	<ol style="list-style-type: none"> 1. N/C 2. White/Orange (+TX) 3. Orange (-TX) 4. White/Green (+RX) 5. Green (-RX) 6. N/C 	 <p style="text-align: center;">123456</p>

Notes:

Part Number Key	L2
Cable Specifications	L3
Cordsets	L4
Receptacles	L10
Field Wireables	L11

Features

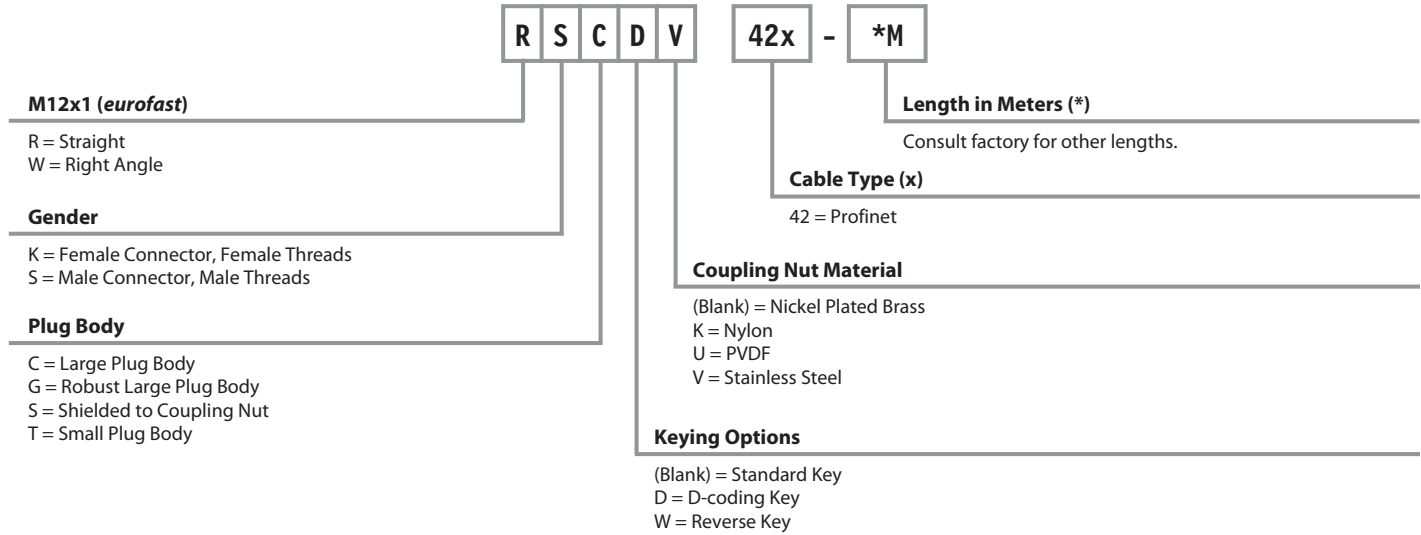
- CAT 5E rated cables
- 2 Pair cable option
- 4-pin D-coded connectors
- M12 and RJ45 connectors
- Up to 4 Amps and 250 Volt rated
- IP67/IP69K rated



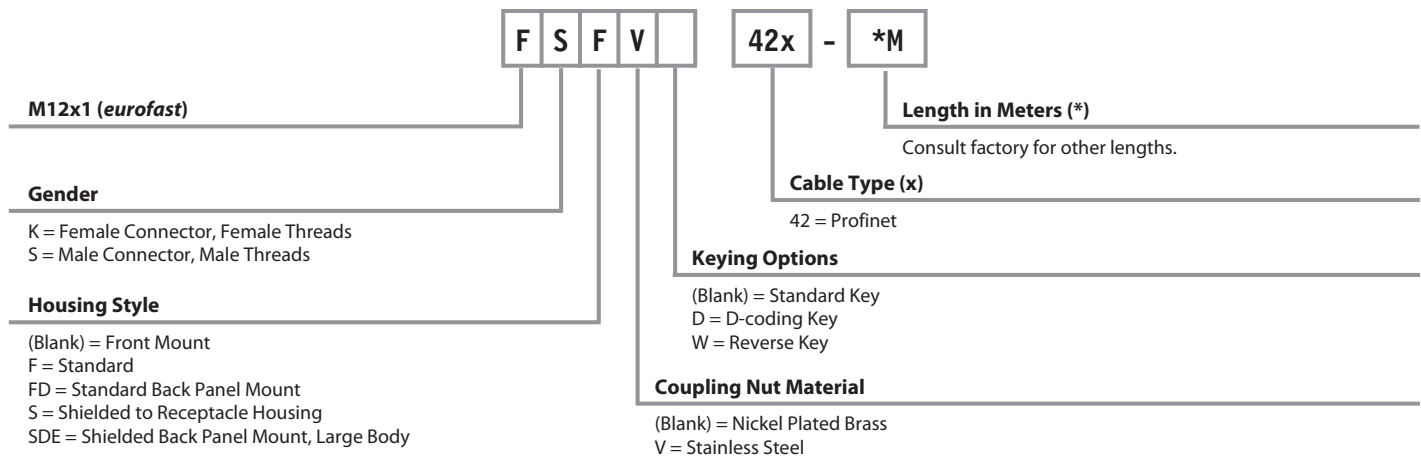
TURCK PROFINET Physical Media Connectivity

euromast® Cordset Part Number Key

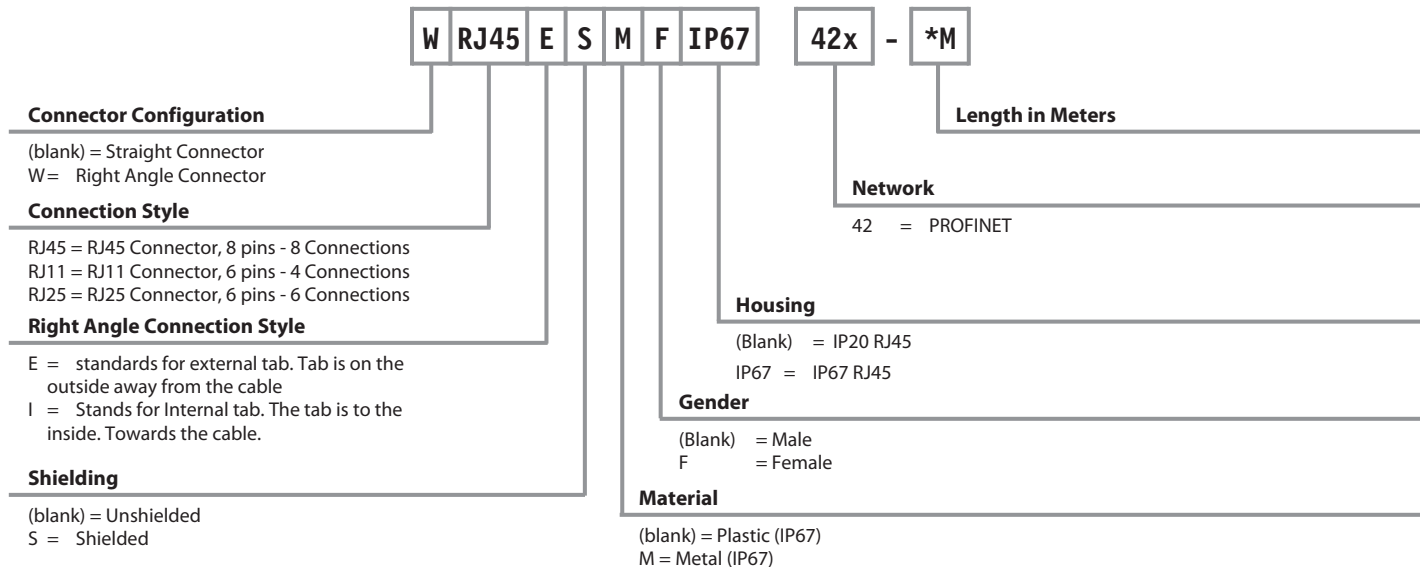
Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



euromast Receptacle Part Number Key

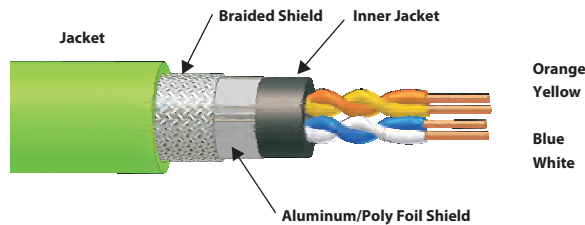


RJ Network Cordsets Part Number Key



PROFINET, Cable Specifications, 4-wire

- Compliant with PROFINET Cable Standards
- Cable is UL Rated for Sunlight and Oil Resistant



PROFINET Media

Type	Approvals	Data Pair		Outer Jacket	Shields	Bulk Cable Part Number / Weight/300 M
		AWG Color Code	DCR (/1000 feet) Insulation	Material Color Nominal O.D.	Type	
420 60°C, 300 V	NEC CMR (ETL) CEC C (ETL)	4/22 AWG Stranded	13.8 Ohm	PVC Green/Yellow 7.7 mm	Foil/Braid	RB51603-*M
421 60°C, 300 V	NEC CMR (ETL) CEC C (ETL)	4/22 AWG Solid	16.2 Ohm	PVC Green/Yellow 8.2 mm	Foil/Braid	RB51604*M
423 70°C, 600 V	IEC 60332-1 DIN EN 60811-2-1	4/22 AWG Stranded		TPU Green/Yellow 6.5 mm	Foil/Braid	RB51216-*M <i>flexlife</i> †

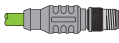
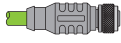
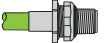


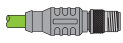
* Indicates length

Standard spool lengths are 30, 75, 100, 150, 200, 225, 300 meters. Consult factory for other lengths.

† 3 million flex motions at 7.5x cable diameter bend radius.

TURCK PROFINET Physical Media Connectivity

PROFINET, (M12x1) eurofast[®], RJ45, Cables and Extensions - Unshielded D-coded

		eurofast			
		Pin (Male)	Socket (Female)	Pin (Male)	Socket (Female)
		1  RSCD	2  RKCD	3  FSFDD	4  FKFDD
 bare		RSCD 42x-*M	RKCD 42x-*M	FSFDD 42x-*M	FKFDD 42x-*M
eurofast	Pin (Male)	1  RSCD RSCD 42x-*M	RSCD RKCD 42x-*M	RSCD FSFDD 42x-*M	RSCD FKFDD 42x-*M
	Socket (Female)		RKCD RKCD 42x-*M	RKCD FSFDD 42x-*M	RKCD FKFDD 42x-*M
	RJ45 Plug			RJ45 FSFDD 42x-*M	RJ45 FKFDD 42x-*M
	WRJ45 Plug			WRJ45E FSFDD 42x-*M	WRJ45E FKFDD 42x-*M
	RJ45M IP67 Plug			RJ45MIP67 FSFDD 42x-*M	RJ45MIP67 FKFDD 42x-*M
	RJ45 IP67 Plug			RJ45IP67 FSFDD 42x-*M	RJ45IP67 FKFDD 42x-*M

See pages L8 - L9 for dimensional drawings.

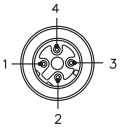

* Indicates length in meters.


x Indicates cable type.

Standard cable lengths are 1, 2, 4, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.

For stainless steel coupling nuts change part number RSCD ... RSCDV, FSFDED ... FSFDEDV.

For right angle RJ45, select WRJ45I for internal tab or WRJ45E for external tab.

eurofast	Pinouts	eurofast
Male 	1. Yellow (+ tx) 2. White (+rx) 3. Orange (-tx) 4. Blue (-rx)	Female 

RJ45 Pinout	RJ45 Plug	RJ45 (CR) Pinout
1. Yellow 2. Orange 3. White 4. N/C 5. N/C 6. Blue 7. N/C 8. N/C	Male  12345678	1. Yellow 2. Orange 3. White 4. N/C 5. N/C 6. Blue 7. N/C 8. N/C


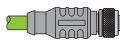
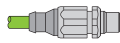
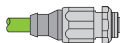

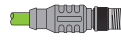
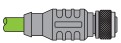

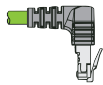

		eurofast			
		Pin (Male)		Socket (Female)	RJ45 Plug
		 7 RJ45	 8 WRJ45E	 9 RJ45MIP67	 10 RJ45IP67
eurofast	 Bare	RJ45 42x-*M	WRJ45E 42x-*M	RJ45MIP67 42x-*M	RJ45IP67 42x-*M
	 5 RSCD	RSCD RJ45 42x-*M	RSCD WRJ45E 42x-*M	RSCD RJ45MIP67 42x-*M	RSCD RJ45IP67 42x-*M
	 6 RKCD	RKCD RJ45 42x-*M	RKCD WRJ45E 42x-*M	RKCD RJ45MIP67 42x-*M	RKCD RJ45IP67 42x-*M
	 7 RJ45	RJ45 RJ45 42x-*M		RJ45 RJ45MIP67 42x-*M	RJ45RJ45IP67 42x-*M
	 8 WRJ45E	WRJ45E RJ45 42x-*M	WRJ45E WRJ45E 42x-*M	WRJ45E RJ45MIP67 42x-*M	WRJ45E RJ45IP67 42x-*M
	 9 RJ45MIP67	RJ45MIP67 RJ45 42x-*M	RJ45MIP67 WRJ45E 42x-*M	RJ45MIP67 RJ45MIP67 42x-*M	RJ45MIP67 RJ45IP67 42x-*M
	 10 RJ45IP67	RJ45IP67 RJ45 42x-*M	RJ45IP67 WRJ45E 42x-*M	RJ45IP67 RJ45MIP67 42x-*M	RJ45IP67 RJ45IP67 42x-*M

See pages L8 - L9 for dimensional drawings.

- * Indicates length in meters.
- x Indicates cable type.
Standard cable lengths are 1, 2, 4, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.
For stainless steel coupling nuts change part number RSCD ... RSCDV, FSFDED ... FSFDEDV.
For right angle RJ45, select WRJ45I for internal tab or WRJ45E for external tab.

TURCK PROFINET Physical Media Connectivity

PROFINET, (M12x1) eurofast®, RJ45, Cables and Extensions - Shielded Cable D-coded

		eurofast			
		Pin (Male)	Socket (Female)	Pin (Male)	Socket (Female)
		1  RSSD	2  RKSD	5  FSSDED	6  FKSDED
 Bare		RSSD 42x-*M	RKSD 42x-*M	FSSDED 42x-*M	FKSDED 42x-*M
eurofast	1  RSSD	RSSD RSSD 42x-*M	RSSD RKSD 42x-*M	RSSD FSSDED 42x-*M	RSSD FKSDED 42x-*M
	2  RKSD		RKSD RKSD 42x-*M	RKSD FSSDED 42x-*M	RKSD FKSDED 42x-*M
	7  RJ45S			RJ45S FSSDED 42x-*M	RJ45S FKSDED 42x-*M
	8  WRJ45ES			WRJ45ES FSSDED 42x-*M	WRJ45ES FKSDED 42x-*M
	9  RJ45SMIP67			RJ45SMIP67 FSSDED 42x-*M	RJ45SMIP67 FKSDED 42x-*M

See pages L8 - L9 for dimensional drawings.

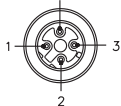

* Indicates length in meters.

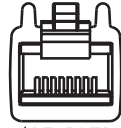
x Indicates cable type.

Standard cable lengths are 1, 2, 4, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.

For stainless steel coupling nuts change part number RSSD ... RSSDV, FSSDED ... FSSDEDV.

For right angle RJ45, select WRJ45I for internal tab or WRJ45E for external tab.

eurofast	Pinouts	eurofast
Male 	1. Yellow (+ tx) 2. White (+rx) 3. Orange (-tx) 4. Blue (-rx)	Female 

RJ45 Pinout	RJ45 Plug	RJ45 (CR) Pinout
1. Yellow 2. Orange 3. White 4. N/C 5. N/C 6. Blue 7. N/C 8. N/C	Male  12345678	1. Yellow 2. Orange 3. White 4. N/C 5. N/C 6. Blue 7. N/C 8. N/C

		eurofast			
		RJ45 Plug	WRJ45 Plug	RJ45 IP67 Plug	
		7 RJ45S	8 WRJ45ES	9 RJ45SMIP67	
		 bare	RJ45S 42x-*M	WRJ45ES 42x-*M	RJ45SMIP67 42x-*M
eurofast	Pin (Male)	1 RSSD	RSSD RJ45S 42x-*M	RSSD WRJ45ES 42x-*M	RSSD RJ45SMIP67 42x-*M
	Socket (Female)	2 RKSD	RKSD RJ45S 42x-*M	RKSD WRJ45ES 42x-*M	RKSD RJ45SMIP67 42x-*M
	RJ45 Plug	7 RJ45S	RJ45S RJ45S 42x-*M		RJ45S RJ45SMIP67 42x-*M
	WRJ45 Plug	8 WRJ45ES	WRJ45ES RJ45S 42x-*M	WRJ45ES WRJ45ES 42x-*M	WRJ45ES RJ45SMIP67 42x-*M
		9 RJ45SMIP67	RJ45SMIP67 RJ45S 42x-*M	RJ45SMIP67 WRJ45ES 42x-*M	RJ45SMIP67 RJ45SMIP67 42x-*M

See pages L8 - L9 for dimensional drawings.

* Indicates length in meters.

x Indicates cable type.

Standard cable lengths are 1, 2, 4, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.

For stainless steel coupling nuts change part number RSSD ... RSSDV, FSSDED ... FSSDEDV.

For right angle RJ45, select WRJ45I for internal tab or WRJ45E for external tab.

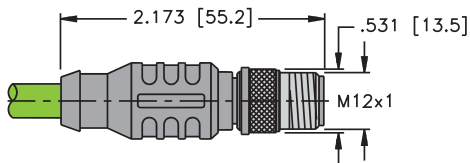
eurofast	Pinouts	eurofast
Male 	1. Yellow (+ tx) 2. White (+rx) 3. Orange (-tx) 4. Blue (-rx)	Female

RJ45 Pinout	RJ45 Plug	RJ45 (CR) Pinout
1. Yellow 2. Orange 3. White 4. N/C 5. N/C 6. Blue 7. N/C 8. N/C	Male 12345678	1. Yellow 2. Orange 3. White 4. N/C 5. N/C 6. Blue 7. N/C 8. N/C

Specifications

Overmold:	TPU
Coupling Nut:	Nickel Plated CuZn or Stainless Steel
Contact Carrier:	TPU (Polyurethane) or POM (Nylon)
Contacts:	Gold Plated CuZn
Protection:	NEMA 1, 3, 4, 6P and IEC IP 68
Rated Voltage:	250 V
Rated Current:	4 A
Ambient Temperature:	-40° to +70°C (32° to +167°F)

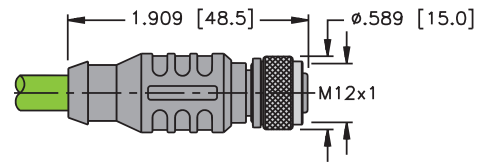
1



RSCD/RSSD ..

Page L4

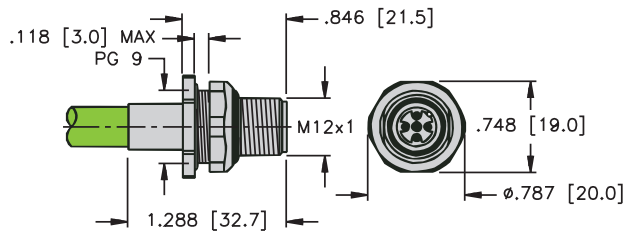
2



RKCD/RKSD ..

Page L4

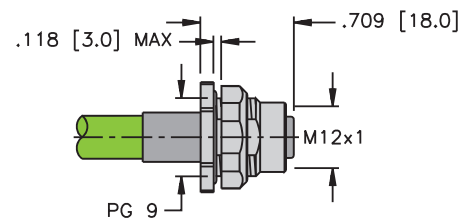
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FSFDD ..

Page L4

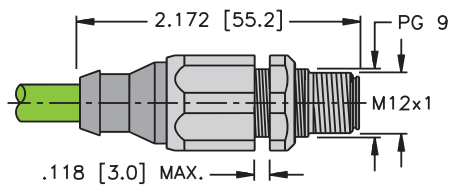
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FKFDD ..

Page L4

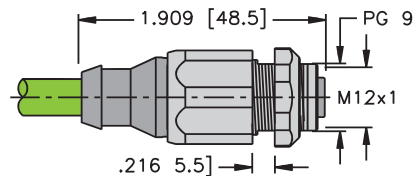
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FSSDED ..

Page L5

6



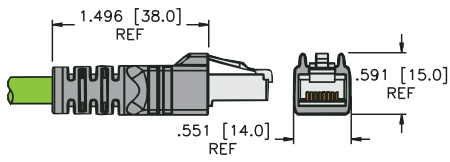
FKSDDED ..

Page L5

Specifications

Overmold:	TPU
Plug Material:	Polycarbonate
Protection:	NEMA 1, 3, 4, 6P and IEC IP 20
Rated Voltage:	42 V
Rated Current:	1.5 A
Ambient Temperature:	-25° to +70°C (-22° to +176°F)

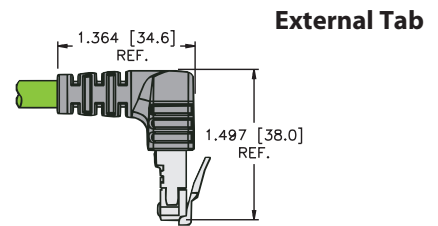
7



RJ45/RJ45S ..

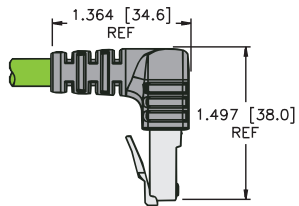
Page L4

8



WRJ45E/WRJ45ES ..

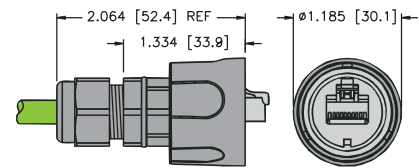
Page L4



WRJ45I/WRJ45IS ..

Internal tab version

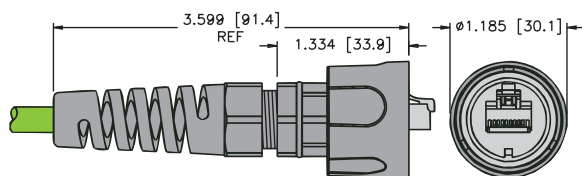
9



RJ45MIP67/RJ45SMIP67 ..

Page L4

10



RJ45IP67 ..

Page L4

TURCK PROFINET Physical Media Connectivity

PROFINET, Receptacle

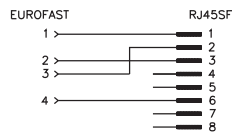
- Transitions from a RJ45 Connector to a 4-wire *eurofast*® Connector



Housing Style	Part Number	Features
	FKSDD RJ45SF 44	Polyurethane, TPU Overmold, 42 V, 1.5 A, -40° to +75°C

Panel mounting clearance hole 19/32" (15 mm). Panel thickness: .060-.120" (1.5-3 mm)

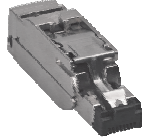
Wiring Diagram



RJ45 Receptacle	Pinouts	<i>eurofast</i> Female
Female	1. Yellow (+TX) 2. Orange (-TX) 3. White (+RX) 4. N/C 5. N/C 6. Blue (-RX) 7. N/C 8. N/C	

PROFINET, RJ45 Field Wireable

- Allows for Quick Connections in the Field
- Fully Shielded
- Includes Assembly Instructions



Housing	Part Number	Features	Pinout
	Connector, RJ45S 42 IDC	22-27 AWG stranded, 22-24 AWG solid, -40° to +85°C	Male

PROFINET Media

RJ45 Plug	Pinout
Male 	1. Yellow (+TX) 2. Orange (-TX) 3. White (+RX) 4. N/C 5. N/C 6. Blue (-RX) 7. N/C 8. N/C

TURCK PROFINET Physical Media Connectivity

PROFINET, 4-Pin D-coded Field Wireables

- Allows for Quick Connections when Pre-Molded Cables are not Available
- Available in Male, Straight and Right Angle Connector Configurations



Housing Style	Female Part Number	Male Part Number	Features	Pinouts
<p>CMBD 81..</p>	CMBD 8141-0/PG9	CMBSD 8141-0/PG9	4 A, 250 V, -40 to +85°C, mates with female 4-pin D-coded eurofast cordsets and receptacles	<p>Female</p>
<p>CMBSD 81..</p>				
<p>CMBD 82..</p>	CMBD 8241-0/PG9	CMBSD 8241-0/PG9		<p>Male</p>
<p>CMBSD 82..</p>				

Part Number Keys	M4
Cordsets	M10
Receptacles	M39
Field Wireables	M46

Features

- Cables that meet the requirements of the ODVA
- PLTC rated cable
- Available in thin, mid, and thick styles
- 7/8 and M12 connectors
- Rated up to 9 Amps and 600 Volts
- IP67/IP69K rated



DeviceNet™ System Description

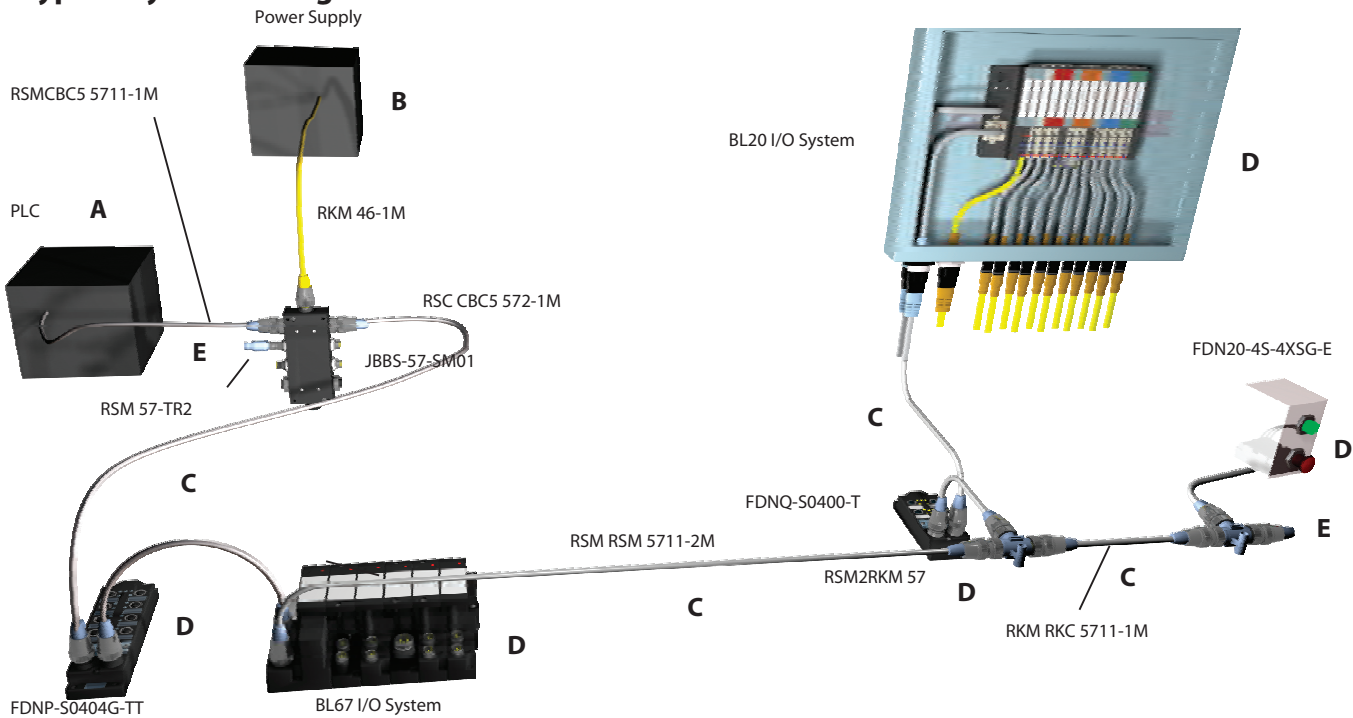
DeviceNet is a low-cost communications protocol that eliminates hard wiring and connects industrial devices such as limit switches, photoelectric sensors, valve manifolds, motor starters, process sensors, bar code readers, variable frequency drives, panel displays and operator interfaces to a network. DeviceNet's direct connection provides improved communication between devices, as well as important device-level diagnostics not easily accessible or available through hard-wired I/O interfaces.

DeviceNet is based on the Controller Area Network (CAN) broadcast-oriented communication architecture. CAN uses a bus arbitration method, CSMA/BA, that assures the highest priority message always gets use of the bus in the event of a data collision. The DeviceNet protocol further defines message priorities such that I/O messages are given top priority and configuration messages have lower priority.

A DeviceNet network supports up to 64 nodes and virtually an unlimited amount of I/O. The bus uses a trunkline/dropline topology, where bus power and communication are supplied on a single cable. Bus power is 24 VDC and supplies current to operate the nodes and (typically) power input devices. Some **TURCK** stations require an additional 24 VDC auxiliary power to supply current for outputs.

DeviceNet allows peer-to-peer data exchange (where a DeviceNet node can initiate communication with other nodes or peers), and a master/slave configuration in which the master node initiates all communication and all other nodes, or slaves, respond to the master node's requests.

Typical System Configuration



A typical DeviceNet system consists of the following parts:

- A - Controller
- B - Power Supply
- C - DeviceNet Cable
- D - DeviceNet I/O Modules (or Slaves)
- E - Terminating Resistors

DeviceNet stations require a network master (also called a scanner) to interface the stations to the host controller. **TURCK** DeviceNet stations are designed to be fully compatible with DeviceNet equipment from other manufacturers.

Cordsets

TURCK offers a complete line of molded DeviceNet cordsets to facilitate network installation, resulting in a faster start-up and fewer wiring errors. The bus and drop cables are specially designed foil-shielded, high-flex cables with very low inductance and capacitance to minimize propagation delay time. DeviceNet cables consist of a shielded and twisted data pair, as well as a shielded and twisted power pair for the 24 VDC bus power, with an additional outer shield. The 24 VDC power pair provides bus power to the station's communication electronics and (typically) to input circuits.

The data lines for CAN-High and CAN-Low differential signals conform to the CAN standard, and support network data exchange at the maximum transmission speed of 500 kbps.

In most cases, bus cable connections are made using 5-pin *minifast*® (7/8-16 UN) or *eurofast*® (M12) connectors. A variety of stations are also available that support terminal-block type connections. Stations with output circuits for DC actuators normally require 24 VDC auxiliary power fed through a separate connection from the communication bus.

TURCK cordsets for the DeviceNet system are available in standard lengths. Contact your local sales representative to order custom lengths.

Diagnostics

TURCK stations provide increased diagnostics when used with standard proximity or photoelectric sensors and discrete actuators. **TURCK** stations also serve as a buffer between I/O devices and the DeviceNet bus by detecting short-circuits without disrupting DeviceNet communication.

For deluxe style stations, each I/O point on the station provides state and status data. State data represents the real world value of the I/O device; for example, when the sensor is on or the actuator is off. Status data indicates short-circuits in the I/O device or in the wiring between the device and the station. Some models also use status data to indicate open circuits.

State and status data are transferred to the DeviceNet scanner where it is available for fault handling in the control program. Additionally, each input and output has a multicolored LED to indicate its state and status and pinpoint I/O problems quickly; for example the module status LED indicates the internal health of the station, and the network status LED indicates the station's communication on the DeviceNet network.

Addressing

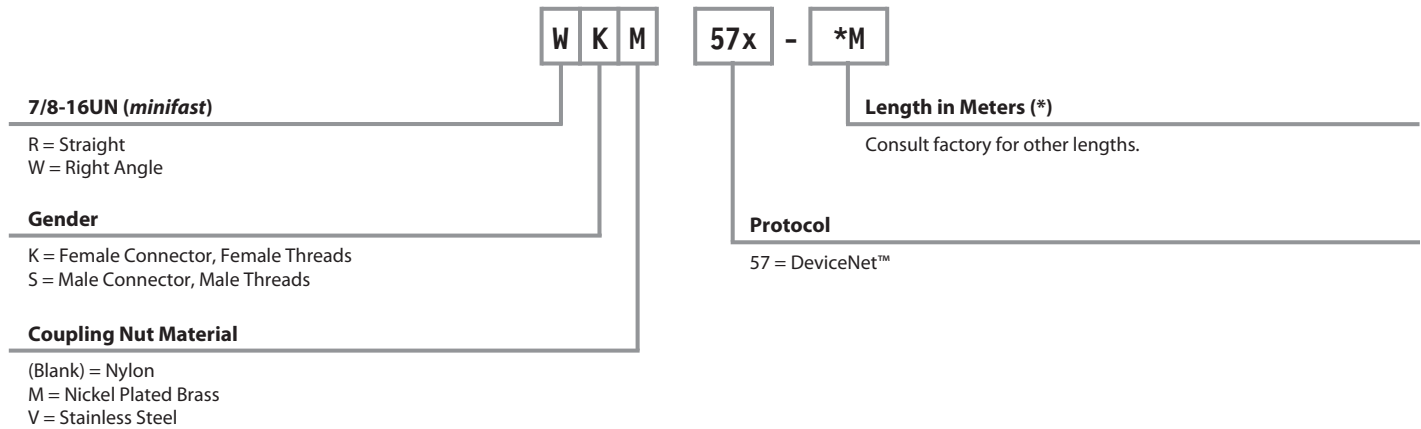
The valid range of DeviceNet node addresses is 0 to 63. The station's default node address is 63. Each node's address must be initially set, usually via rotary dials or switches on the node. The address can also be set with a DeviceNet configuration tool.

Changes to the address settings take effect when the station power is cycled. Care must be taken to prevent the same address from being assigned to more than one node in a system. If the same address is set on multiple nodes, one node will take control of the address and the others will go into "Critical Link Failure" state, indicated by the network status LED (solid red).

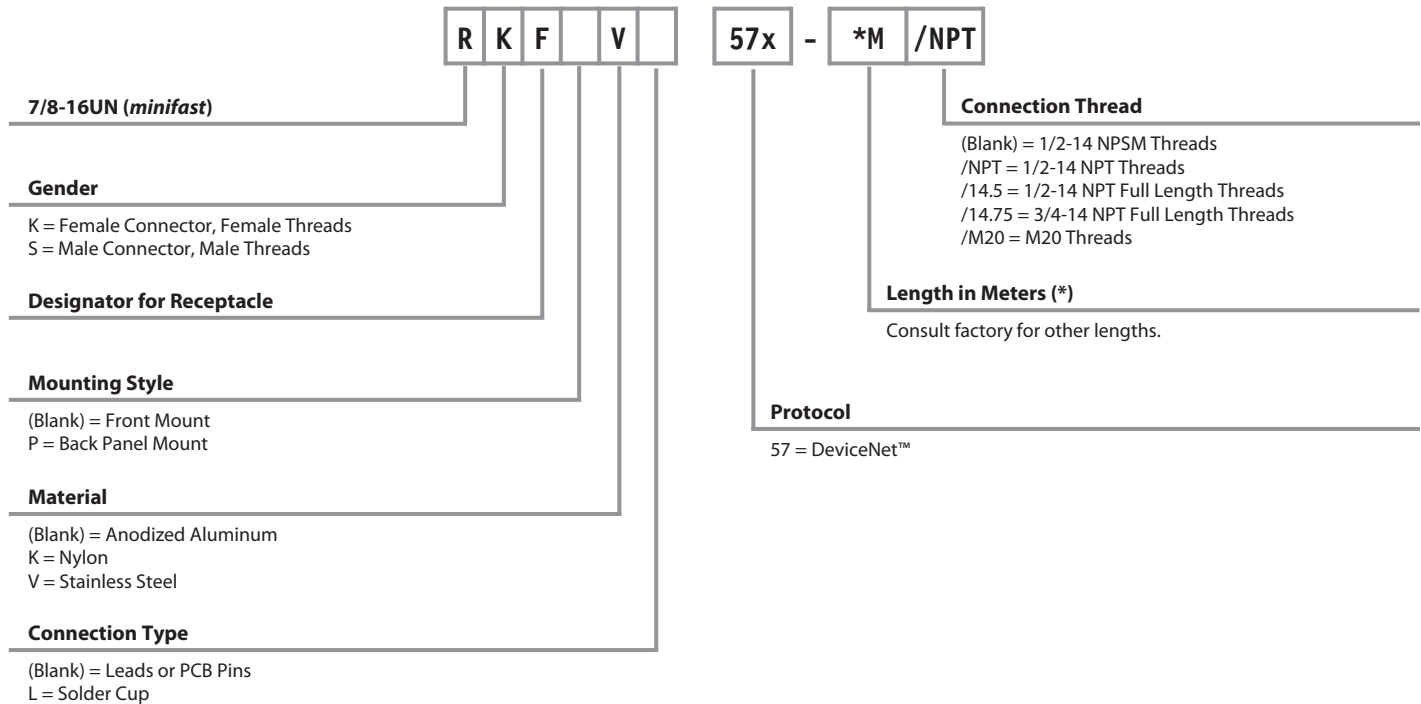
TURCK DeviceNet™ Physical Media Connectivity

minifast® Cordset Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.

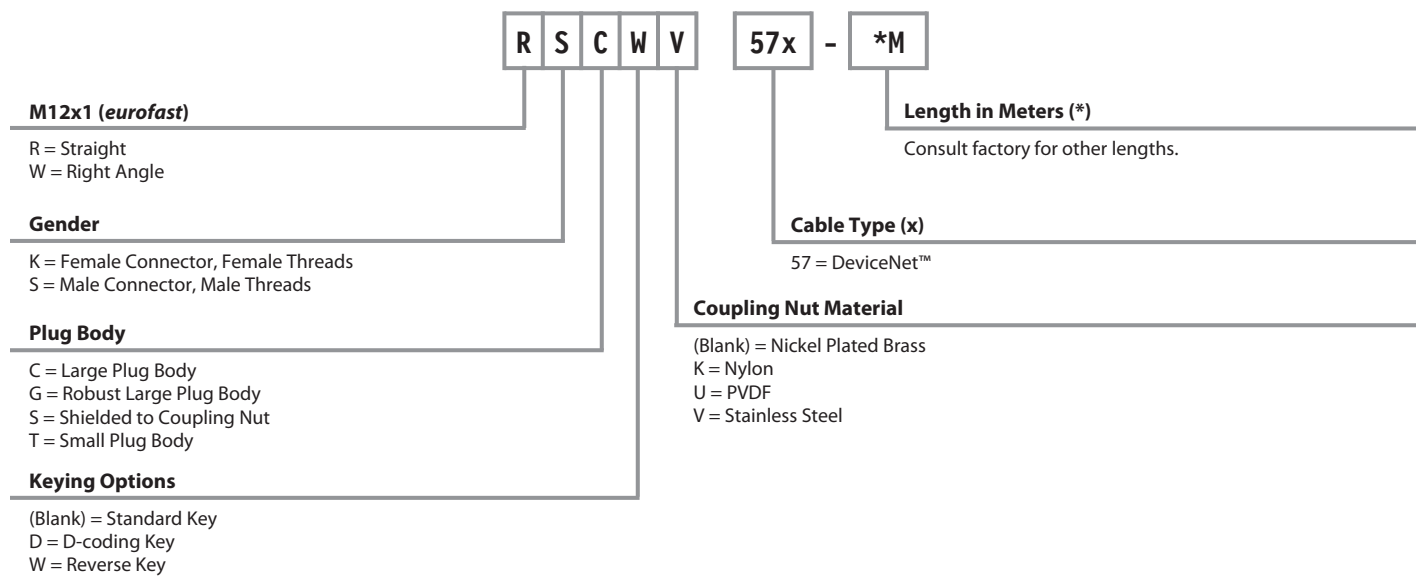


minifast Receptacle Part Number Key

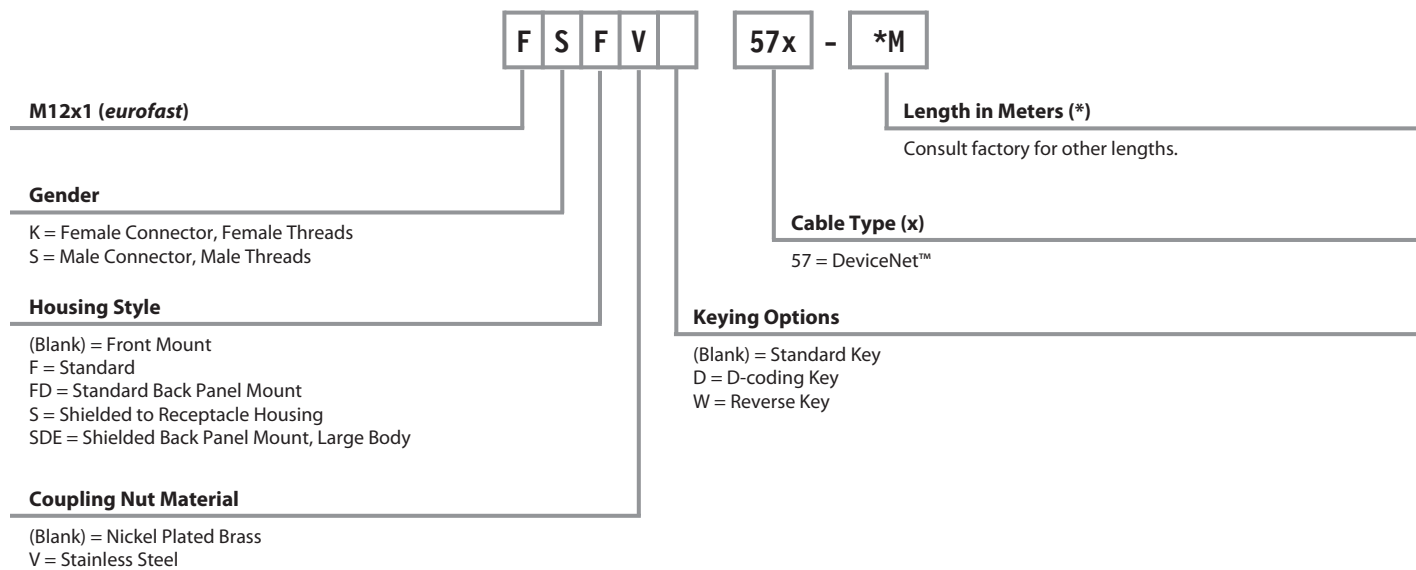


euromast® Cordset Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



euromast Receptacle Part Number Key

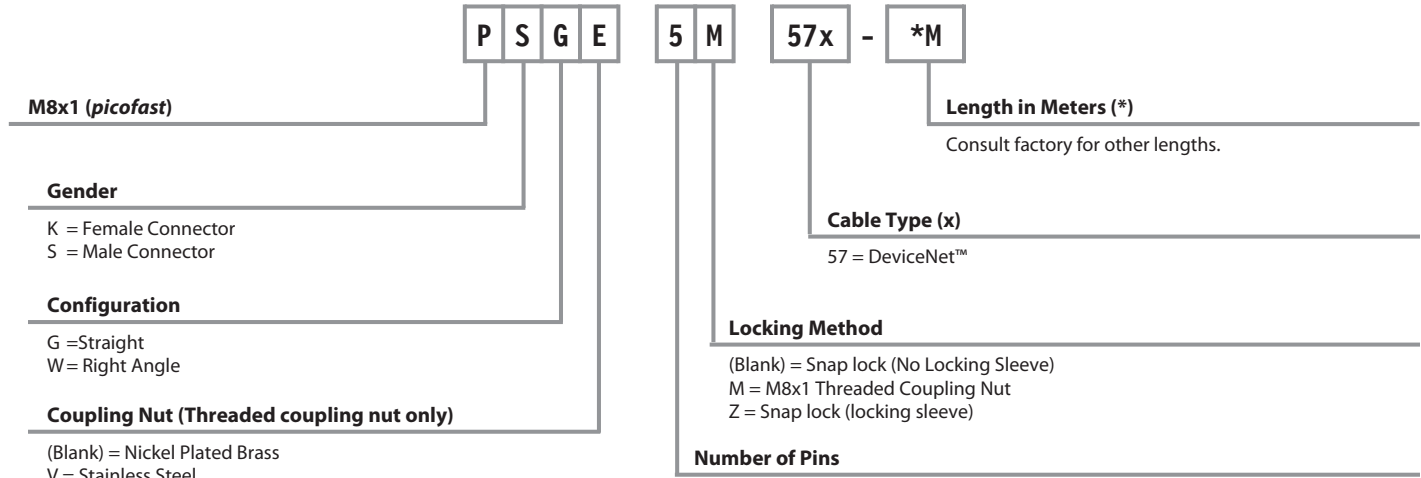


DeviceNet™ Media

TURCK DeviceNet™ Physical Media Connectivity

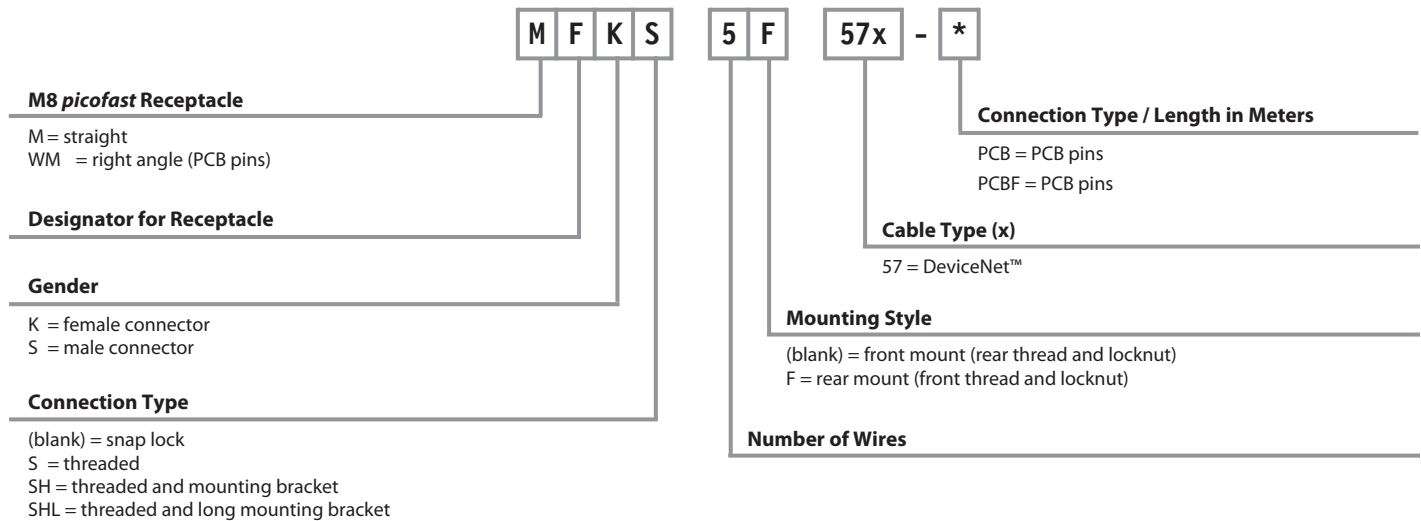
picofast® Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



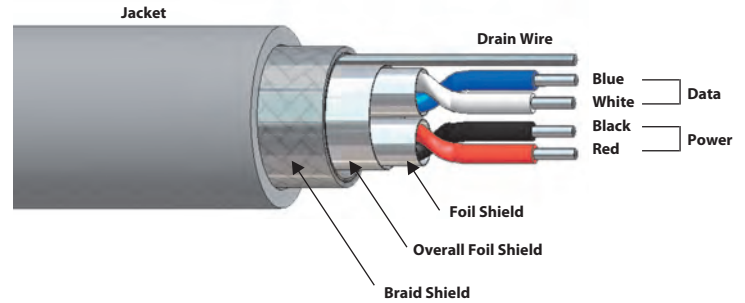
M8 picofast® Receptacle Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



DeviceNet™, Thin Cable Specifications

- Cable that Meets the Requirements of ODVA Thin or Type 1 Cable
- Commonly Used as Drop Cable to a Maximum Length of 6 Meters (20 Feet) or Trunk Cable in Networks Up to a Maximum Length of 100 Meters (328 Feet)



Data Rate	Maximum Trunk Length	Drop Length	
		Maximum	Cumulative
125 Kbaud	100 meters (328 feet)	6 meters (20 feet)	156 meters (512 feet)
250 Kbaud	100 meters (328 feet)		78 meters (feet)
500 Kbaud	100 meters (328 feet)		39 meters (feet)

Type	Approvals	Power Pair		Data Pair		Outer Jacket	Shields	Bulk Cable Part Number / Weight/300 M
		AWG Color Code	DCR (/1000 feet) Insulation	AWG Color Code	DCR (/1000 feet) Insulation	Material Color Nominal O.D.	Type Drain Wire	
572 AWM 2464 75°C 300 Volts	NEC PLTC CEC AWM-I/II A/B FT4 RoHS	2/22 AWG BK/RD	18.1 Ohms PVC	2/22 AWG BU/WH	18.1 Ohms PE	PVC Light Grey 7.2 mm (.285 in)	Foil 22 AWG	RB50603-*M 44 lbs.
577 AWM 2464 75°C 300 Volts	NEC PLTC CEC AWM-I/II A/B FT4 RoHS	2/22 AWG BK/RD	16.9 Ohms PVC	2/22 AWG BU/WH	16.9 Ohms PE	PVC Light Grey 8.4 mm (.330 in)	Foil/Braid 22 AWG	RB50629-*M 65 lbs. flexlife-10*
578 AWM 2464 75°C 300 Volts	NEC PLTC/CL2 CEC CMG RoHS	2/22 AWG BK/RD	18.1 Ohms PVC	2/22 AWG BU/WH	18.1 Ohms PE	PVC Light Grey 7.8 mm (.310 in)	Foil/Braid 22 AWG	RB50651-*M 51 lbs.
5715 AWM 2095 80°C 300 Volts	NEC AWM CEC AWM-I/II A/B FT1 RoHS	2/22 AWG BK/RD	16.5 Ohms PVC	2/22 AWG BU/WH	16.5 Ohms PE	PVC Light Grey 6.0 mm (.235 in)	Foil (Data Only) 22 AWG	RB50764-*M 26 lbs.
5725 AWM 21080 75°C 300 Volts	NEC AWM RoHS	2/22 AWG BK/RD	16.5 Ohms PE	2/24 AWG BU/WH	27.7 Ohms PE	TPU Violet 7.1 mm (.280 in)	Foil/Braid 22 AWG	RB50994-*M 50 lbs. Halogen-Free ††
5732 AWM 20626 80°C 600 Volts	NEC AWM CEC AWM-I/II A/B FT4 RoHS	2/22 AWG BK/RD	16.5 Ohms PVC	2/22 AWG BU/WH	16.5 Ohms PE	TPE Charcoal Grey 8.5 mm (.335 in)	Foil/Braid 22 AWG	RB51296-*M 68 lbs. Flexlife* weldlife™

* Indicates length in meters.

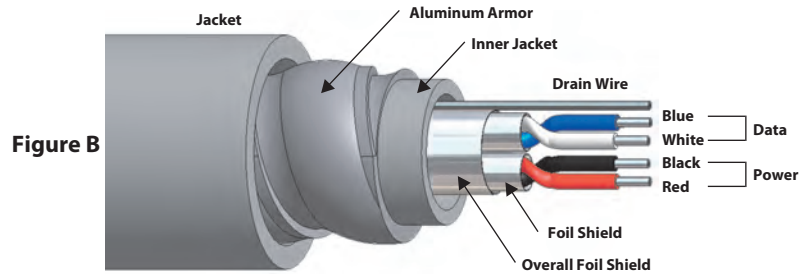
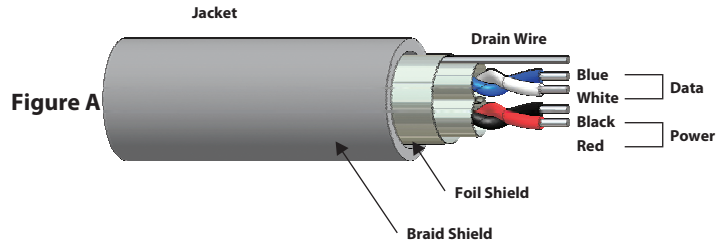
Standard spool lengths are 30, 75, 100, 150, 200, 225, 300. Consult factory for other lengths.

†† Zero Halogen: to DIN VDE 0472 part 815 + IEC 60754-1

TURCK DeviceNet™ Physical Media Connectivity

DeviceNet™, Mid Cable Specifications

- Cable That Meets the Requirements of ODVA Mid or Type III Cable
- Provides More Flexibility When Used as a Trunk Cable Up to a Maximum Length of 300 Meters (984 Feet)



Data Rate	Maximum Trunk Length
125 Kbaud	300 meters (984 feet)
250 Kbaud	250 meters (820 feet)
500 Kbaud	100 meters (328 feet)

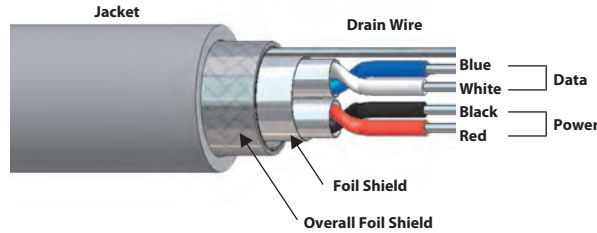
Type	Approvals	Power Pair		Data Pair		Outer Jacket	Shields	Bulk Cable Part Number / Weight/300 M	Figure
		AWG Color Code	DCR (/1000 feet) Insulation	AWG Color Code	DCR (/1000 feet) Insulation	Material Color Nominal O.D.	Type Drain Wire		
5711 AWM 2464 80°C 300 Volts	NEC PLTC CEC AWM-I/II A/B FT4 RoHS	2/16 AWG BK/RD	4.1 Ohms PVC	2/20 AWG BU/WH	11.2 Ohms PE	PVC Light Grey 8.4 mm (.330 in)	Foil/Braid 20 AWG	RB50721-*M 65 lbs.	A
5722 AWM 2464 75°C 300 Volts	NEC PLTC CEC AWM-I/II A/B FT4 RoHS	2/17 AWG BK/RD	5.2 Ohms SR-PVC	2/20 AWG BU/WH	10.4 Ohms PE	PVC Light Grey 8.9 mm (.350 in)	Foil/Braid 20 AWG	RB50876-*M 71 lbs. flexlife-10*	A
5723 AWM 20233 80°C 300 Volts	NEC AWM CEC AWM-I/II A/B FT1 RoHS	2/17 AWG BK/RD	5.2 Ohms PVC	2/20 AWG BU/WH	10.4 Ohms PE	TPU Light Grey 8.4 mm (.330 in)	Foil/Braid 20 AWG	RB50877-*M 60 lbs. flexlife-10	A
5721A 75°C 300 Volts	NEC PLTC/CM CEC CMG HL ABCD RoHS	2/18 AWG BK/RD	6.7 Ohms PVC	2/20 AWG BU/WH	10.4 Ohms PE	PVC Light Grey 14.9 mm (.585 in) Aluminum Armor	Foil/Armor 20 AWG	RB50859-*M 101 lbs. armorfast*	B
5731 AWM 20626 80°C 300 Volts	NEC AWM CEC AWM-I/II A/B FT1 RoHS	2/16 AWG BK/RD	4.1 Ohms PVC	2/20 AWG BU/WH	10.4 Ohms PE	TPE Charcoal Grey 9.6 mm (.254 in)	Foil/Spiral 20 AWG	RB51235-*M 95 lbs. flexlife† weldlife™	A
5737 AWM 20233 80°C 300 Volts	NEC AWM CEC AWM-I/II A/B FT1	2/17 AWG BK/RD	5.8 Ohms PVC	2/20 AWG BU/WH	11.2 Ohms PE	TPU Grey 8.4 mm (.331)	Foil 22 AWG	RB51903-*M 60 lbs. C-Track	A

* Indicates length in meters.

Standard spool lengths are 30, 75, 100, 150, 200, 225, 300. Consult factory for other lengths.

DeviceNet™, Thick Cable Specifications

- Cable That Meets the Requirements of ODVA Thick or Type II Cable
- It Provides the Most Power to a Network When Used as a Trunk Cable Up to a Maximum Standard Cable Length of 500 Meters (1640 Feet)



Data Rate	Maximum Trunk Length	Maximum Trunk Length (5720)
125 Kbaud	500 meters (1640 feet)	420 meters (1378 feet)
250 Kbaud	250 meters (820 feet)	200 meters (656 feet)

Type	Approvals	Power Pair		Data Pair		Outer Jacket	Shields	Bulk Cable Part Number / Weight/300 M
		AWG Color Code	DCR (/1000 feet) Insulation	AWG Color Code	DCR (/1000 feet) Insulation			
575 AWM 20233 80°C 300 Volts	NEC AWM CEC AWM-I/II A/B FT1 RoHS	2/15 AWG BK/RD	3.3 Ohms PVC	2/18 AWG BU/WH	6.5 Ohms PE	TPU Light Grey 10.4 mm (.409 in)	Foil/Braid 18 AWG	RB50633-*M 94 lbs.
579 AWM 2570 75°C 300 Volts	NEC PLTC/CL2 CEC CMG RoHS	2/15 AWG BK/RD	3.2 Ohms PVC	2/18 AWG BU/WH	6.5 Ohms PE	PVC Light Grey 11.2 mm (.441 in)	Foil/Braid 18 AWG	RB50652-*M 122 lbs.
5720 75°C 600 Volts	NEC TC RoHS	2/16 AWG BK/RD	4.9 Ohms PVC	2/18 AWG BU/WH	6.9 Ohms PE	PVC Light Grey 13.3 mm (.524 in)	Foil/Braid 16 AWG	RB50793-*M 168 lbs.
5726 AWM 21080 70°C 300 Volts	NEC AWM RoHS	2/15 AWG BK/RD	3.2 Ohms PE	2/18 AWG BU/WH	6.9 Ohms PE	TPU Violet 11.2 mm (.449 in)	Foil/Braid 18 AWG	RB51038-*M 150 lbs. Halogen-Free ††
5727 75°C 600 Volts	NEC PLTC CEC AWM-I/II A/B FT4 RoHS	2/15 AWG BK/RD	3.44 Ohms PVC	2/18 AWG BU/WH	7.06 Ohms PE	PVC Light Grey 12.5 mm (.492 in)	Foil/Spiral 18 AWG	RB51106-*M 157 lbs flexlife † +
5730 AWM 20626 80°C 600 Volts	NEC AWM CEC AWM-I/II A/B FT1 RoHS	2/15 AWG BK/RD	3.44 Ohms PVC	2/18 AWG BU/WH	7.06 Ohms PE	TPE Grey 10.5 mm (.413 in)	Foil/Braid 18 AWG	RB51231-*M 110 lbs. flexlife † + weldlife ™†

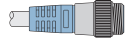

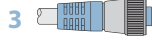

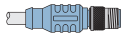

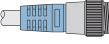


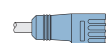
* Indicates length in meters.

Standard spool lengths are 30, 75, 100, 150, 200, 225, 300. Consult factory for other lengths.

†† Zero Halogen: to DIN VDE 0472 part 815 + IEC 60754-1

TURCK DeviceNet™ Physical Media Connectivity

DeviceNet™, Cable/Cordset Selection Matrix

		<i>minifast</i> [*]				<i>eurofast</i> [*] (Thin/Mid Only)	
		Pin (Male)		Socket (Female)		Pin (Male)	
		1  RSM	2  WSM	3  RKM	4  WKM	7  RSC	
Bare 		RSM 57x-*M	WSM 57x-*M	RKM 57x-*M	WKM 57x-*M	RSC 57x-*M	
<i>minifast</i>	Pin (Male)	1  RSM	RSM RSM 57x-*M	RSM WSM 57x-*M	RSM RKM 57x-*M	RSM WKM 57x-*M	RSM RSC 57x-*M
	2  WSM		WSM WSM 57x-*M	WSM RKM 57x-*M	WSM WKM 57x-*M	WSM RSC 57x-*M	
	3  RKM			RKM RKM 57x-*M	RKM WKM 57x-*M	RKM RSC 57x-*M	
	4  WKM				WKM WKM 57x-*M	WKM RSC 57x-*M	

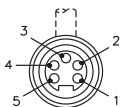
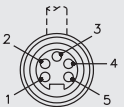
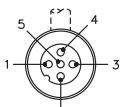

See pages M16 - M17 for dimensional drawings.

* Indicates length in meters.


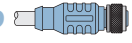
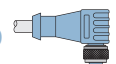
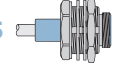
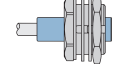
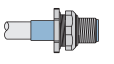
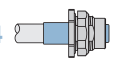
x Indicates cable type.

Standard cable lengths are 1, 2, 4, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.

For stainless steel coupling nuts change part number RSM ... to RSV, WSM ... to WSV.

<i>minifast</i>		Pinouts	<i>eurofast</i>	
Male 	Female 	1. Bare (Shield Drain Wire) 2. Red (+ Voltage) 3. Black (- Voltage) 4. White (CAN_H) 5. Blue (CAN_L)	Male 	Female 

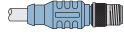
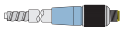



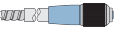
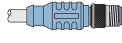
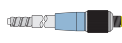
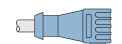



DeviceNet™, Cable/Cordset Selection Matrix

eurofast® (Thin/Mid Only)			minifast® Bulkhead		eurofast Bulkhead (Thin Only)	
Pin (Male)	Socket (Female)	Application	Pin (Male)	Socket (Female)	Pin (Male)	Socket (Female)
 8 WSC	 9 RKC	 10 WKC	 5 RSFP	 6 RKFP	 13 FSFD	 14 FKFD
WSC 57x-*M	RKC 57x-*M	WKC 57x-*M	RSFP 57x-*M	RKFP 57x-*M	FSFD 57x-*M	FKFD 57x-*M
RSM WSC 57x-*M	RSM RKC 57x-*M	RSM WKC 57x-*M	RSM RSFP 57x-*M	RSM RKFP 57x-*M	RSM FSFD 57x-*M	RSM FKFD 57x-*M
WSM WSC 57x-*M	WSM RKC 57x-*M	WSM WKC 57x-*M	WSM RSFP 57x-*M	WSM RKFP 57x-*M	WSM FSFD 57x-*M	WSM FKFD 57x-*M
RKM WSC 57x-*M	RKM RKC 57x-*M	RKM WKC 57x-*M	RKM RSFP 57x-*M	RKM RKFP 57x-*M	RKM FSFD 57x-*M	RKM FKFD 57x-*M
WKM WSC 57x-*M	WKM RKC 57x-*M	WKM WKC 57x-*M	WKM RSFP 57x-*M	WKM RKFP 57x-*M	WKM FSFD 57x-*M	WKM FKFD 57x-*M

DeviceNet™ Media

TURCK DeviceNet™ Physical Media Connectivity

DeviceNet™, Cable/Cordset Selection Matrix

		eurofast® (Thin/Mid Only)						
		Pin (Male)			Socket (Female)			
		7 	11 	8 	9 	10 	12 	
		RSC	RSA	WSC	RKC	WKC	RKA	
eurofast (Thin/Mid Only)	Bare	RSC 57x-*M	RSA 57x-*M	WSC 57x-*M	RKC 57x-*M	WKC 57x-*M	RKA 57x-*M	
	Pin (Male)	7  RSC	RSC RSC 57x-*M		RSC WSC 57x-*M	RSC RKC 57x-*M	RSC WKC 57x-*M	
		11  RSA		RSA RSA 57x-*M				
		8  WSC			WSC WSC 57x-*M	WSC RKC 57x-*M	WSC WKC 57x-*M	
		9  RKC				RKC RKC 57x-*M	RKC WKC 57x-*M	
		10  WKC					WKC WKC 57x-*M	
		12  RKA						RKA RKA 57x-*M

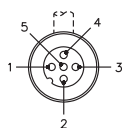

See pages M16 - M17 for dimensional drawings.

* Indicates length in meters.

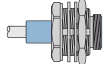
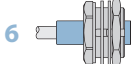


x Indicates cable type.

Standard cable lengths are 1, 2, 4, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.

For stainless steel coupling nuts change part number RSM ... to RSV, WSM ... to WSV.

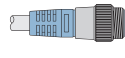

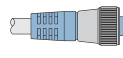
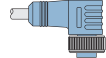
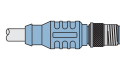
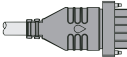

Pinouts	eurofast	
<ol style="list-style-type: none"> 1. Bare (Shield Drain Wire) 2. Red (+ Voltage) 3. Black (- Voltage) 4. White (CAN_H) 5. Blue (CAN_L) 	Male 	Female 

DeviceNet™, Cable/Cordset Selection Matrix

minifast® Bulkhead		eurofast Bulkhead (Thin Only)	
Pin (Male)	Socket (Female)	Pin (Male)	Socket (Female)
5  RSFP	6  RKFP	13  FSFD	14  FKFD
RSFP 57x-*M	RKFP 57x-*M	FSFD 57x-*M	FKFD 57x-*M
RSC RSFP 57x-*M	RSC RKFP 57x-*M	RSC FSFD 57x-*M	RSC FKFD 57x-*M
WSC RSFP 57x-*M	WSC RKFP 57x-*M	WSC FSFD 57x-*M	WSC FKFD 57x-*M
RKC RSFP 57x-*M	RKC RKFP 57x-*M	RKC FSFD 57x-*M	RKC FKFD 57x-*M
WKC RSFP 57x-*M	WKC RKFP 57x-*M	WKC FSFD 57x-*M	WKC FKFD 57x-*M

TURCK DeviceNet™ Physical Media Connectivity

DeviceNet™, Open Connector Cordset Selection Matrix

		<i>minifast</i> [*]				<i>eurofast</i> [*]
		Pin (Male)		Socket (Female)		Pin (Male)
		1 	2 	3 	4 	7 
		RSM	WSM	RKM	WKM	RSC
15 	CBC5 57x-*M	RSM CBC5 57x-*M	WSM CBC5 57x-*M	RKM CBC5 57x-*M	WKM CBC5 57x-*M	RSC CBC5 57x-*M
16 	BK52C 57x-*M	RSM BK52C 57x-*M	WSM BK52C 57x-*M	RKM BK52C 57x-*M	WKM BK52C 57x-*M	RSC BK52C 57x-*M
Thin, Mid and Thick Cable						Thin Cable Only

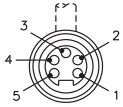
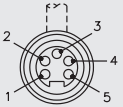
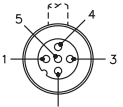
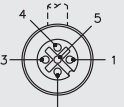
See pages M16 - M17 for dimensional drawings.

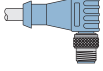
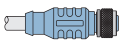
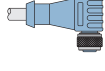
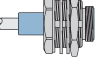
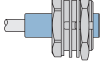
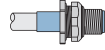
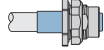
* Indicates length in meters.

x Indicates cable type.

Standard cable lengths are 1, 2, 4, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.

For stainless steel coupling nut: Change part number (RSM ... to RSV, RSC ... to RSCV).

<i>minifast</i>		Pinouts	<i>eurofast</i>	
Male 	Female 	<ol style="list-style-type: none"> 1. Bare (Shield Drain Wire) 2. Red (+ Voltage) 3. Black (- Voltage) 4. White (CAN_H) 5. Blue (CAN_L) 	Male 	Female 

eurofast®			minifast® Bulkhead		eurofast Bulkhead	
Pin (Male)	Socket (Female)		Pin (Male)	Socket (Female)	Pin (Male)	Socket (Female)
8 	9 	10 	5 	6 	13 	14 
WSC	RKC	WKC	RSFP	RKFP	FSFD	FKFD
WSC CBC5 57x-*M	RKC CBC5 57x-*M	WKC CBC5 57x-*M	RSFP CBC5 57x-*M	RKFP CBC5 57x-*M	FSFD CBC5 57x-*M	FKFD CBC5 57x-*M
WSC BK52C 57x-*M	RKC BK52C 57x-*M	WKC BK52C 57x-*M	RSFP BK52C 57x-*M	RKFP BK52C 57x-*M	FSFD BK52C 57x-*M	FKFD BK52C 57x-*M
Thin and Mid Cable Only			Thin, Mid and Thick Cable		Thin Cable Only	

See pages M16 - M17 for dimensional drawings.

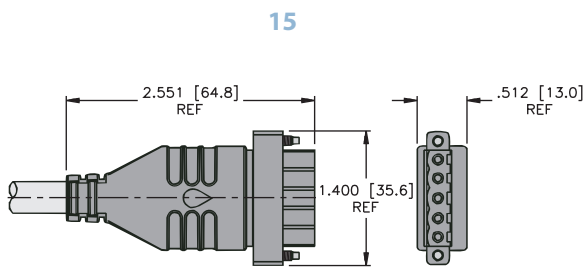
* Indicates length in meters.

x Indicates cable type.

Standard cable lengths are 1, 2, 4, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.

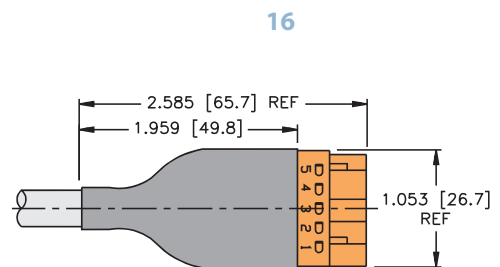
Specifications

- Overmold:** TPU
- Contact Carrier:** PA (Nylon)
- Protection:** NEMA 1, and IEC IP 20
- Rated Voltage:** 250 V
- Rated Current:** 12 A
- Ambient Temperature:** -40° to +75°C (-22° to +167°F)



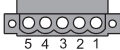

CBC5 ..

Page M10



BK52C ..

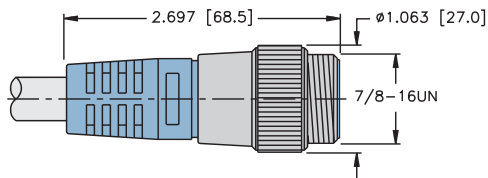
Page M10

CBC5	Pinouts	BK52C
	1 = Black (- Voltage) 2 = Blue (CAN_L) 3 = Bare (Shield Drain) 4 = White (CAN_H) 5 = Red (+ Voltage)	

Specifications

Overmold:	TPU
Coupling Nut:	Nickel Plated CuZn or Stainless Steel
Contact Carrier:	TPU
Contacts:	Gold Plated CuZn
Protection:	NEMA 1, 3, 4, 6P and IEC IP 67
Rated Voltage:	300 V
Rated Current:	9 A
Ambient Temperature:	-40° to +75°C (-22° to +167°F)

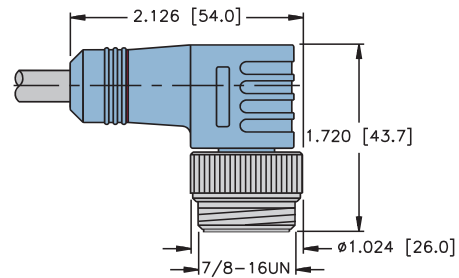
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RSM ..

Pages M6 - M11

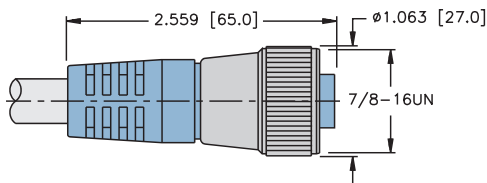
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WSM ..

Pages M6 - M11

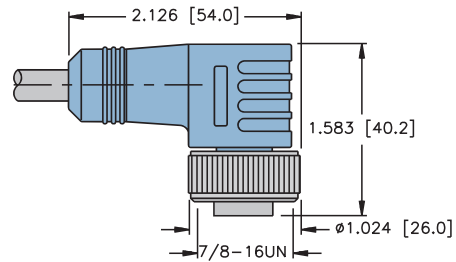
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RKM ..

Pages M6 - M11

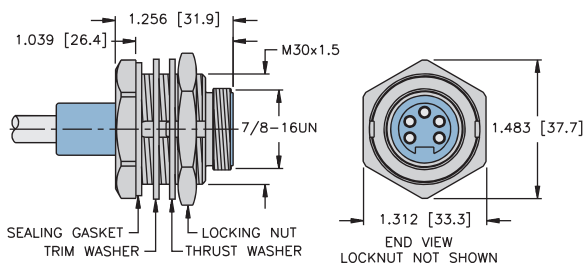
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WKM ..

Pages M6 - M11

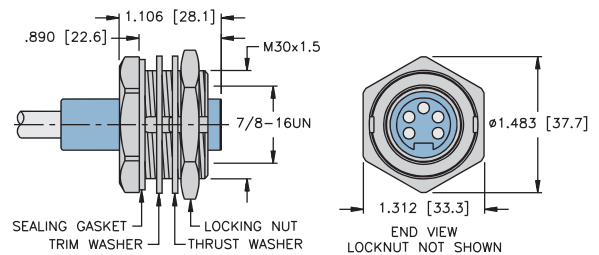
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RSFP ..

Pages M6 - M11

6

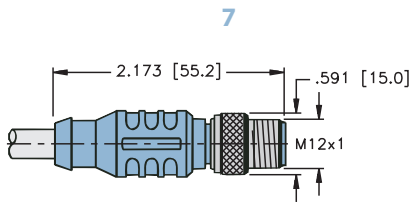


RKFP ..

Pages M6 - M11

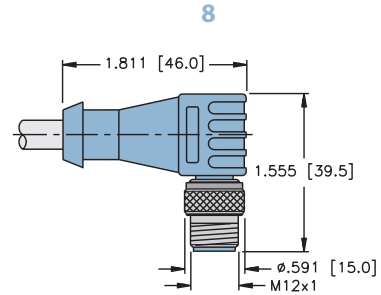
Specifications

Overmold:	TPU
Coupling Nut:	Nickel Plated CuZn or Stainless Steel
Contact Carrier:	TPU or POM (Nylon)
Contacts:	Gold Plated CuZn
Protection:	NEMA 1, 3, 4, 6P and IEC IP 68
Rated Voltage:	250 V
Rated Current:	4 A
Ambient Temperature:	-40° to +75°C (-22° to +167°F)



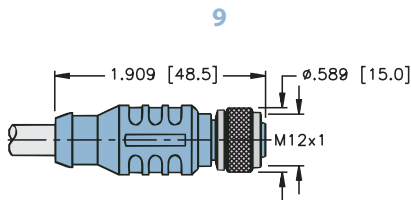
RSC ..

Pages M6 - M11



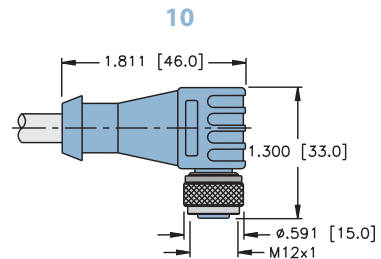
WSC ..

Pages M6 - M11



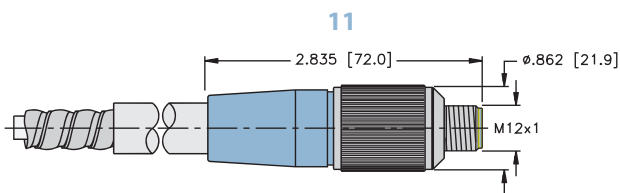
RKC ..

Pages M6 - M11



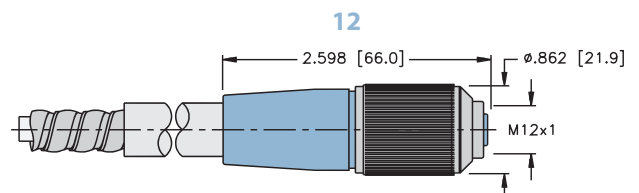
WKC ..

Pages M6 - M11



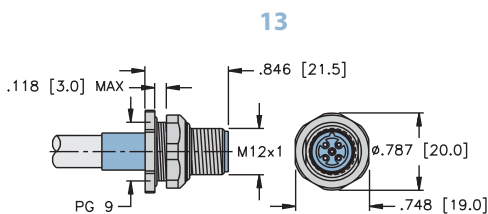
RSA ..

Pages M6 - M11



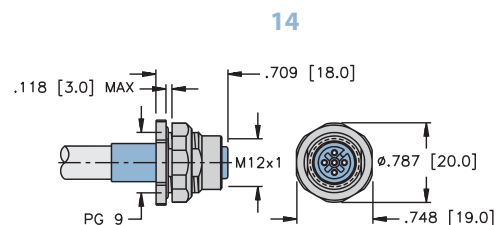
RKA ..

Pages M6 - M11



FSFD ..

Pages M6 - M11



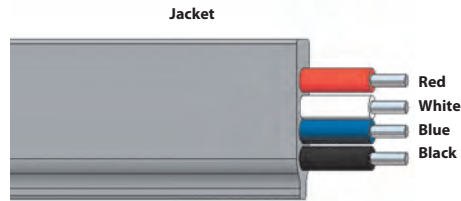
FKFD ..

Pages M6 - M11

TURCK DeviceNet™ Physical Media Connectivity

DeviceNet™, Flat Cable Specifications

- Cable that Meets the Requirements of ODVA Flat Cable
- Uses Insulation Displacement Connectors as Device Taps



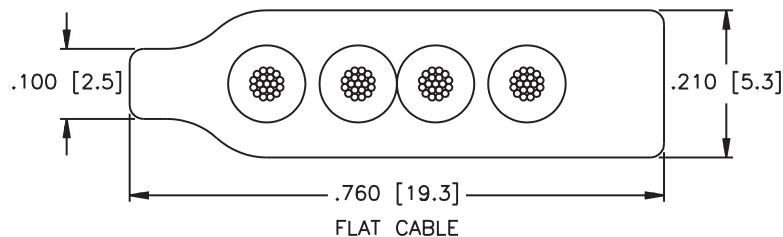
Data Rate	Maximum Trunk Length
125 Kbaud	420 meters (1378 feet)
250 Kbaud	200 meters (656 feet)
500 Kbaud	100 meters (328 feet)

Type	Approvals	Power Pair		Data Pair		Outer Jacket	Shields	Bulk Cable Part Number / Weight/300 M
		AWG Color Code	DCR (/1000 feet) Insulation	AWG Color Code	DCR (/1000 feet) Insulation	Material Color Nominal O.D.	Type Drain Wire	
5713 75°C 300 Volts	NEC CL2 CEC AWM-I/II A/B FT4	2/16 AWG BK/RD	4.1 PE	2/16 AWG BU/WH	4.1 PE	PVC Light Grey Flat Profile ^{††}	None	RB50787-*M 116 lbs.

* Indicates length in meters.

†† Flat cable profile is 19.3 mm (0.760 in) x 5.3 mm (0.210 in).

Flat Cable Profile



DeviceNet™, Flat Cable Connectors

- Provides a *minifast*® or *eurofast*® Drop Connector from Flat Cable



Housing	Part Number	Application	Pinouts
	RKF 57-1DC	Flat cable connector, to female (7/8-16UN) <i>minifast</i> drop	Female
	RKF 40-1DC	(7/8-16UN) <i>minifast</i> , auxiliary power connector	Female
	FK 57-1DC	Flat cable connector to female (M12x1) <i>eurofast</i> drop	Female
	FK 57-1DC ET	Includes connector, end termination, and splice kit	
	RKF 57-1DC ET		
	RKF 40-1DC ET		

DeviceNet™ Media

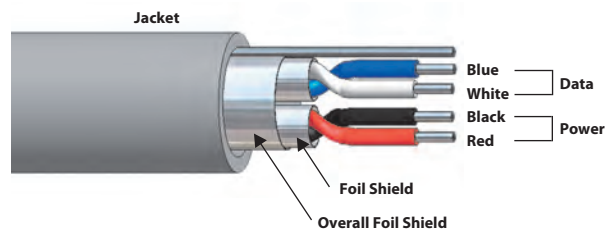
Specifications

Housing:	POM (Nylon)
Coupling Nut:	Nickel Plated CuZn or Stainless Steel
Contact Carrier:	Nylon
Contacts:	Gold Plated CuZn
Protection:	NEMA 1, 3, 4, 6P and IEC IP 68
Rated Voltage:	250 V
Rated Current:	4 A (<i>eurofast</i>), 9 A (<i>minifast</i>)
Ambient Temperature:	-40° to +75°C (-22° to +167°F)

TURCK DeviceNet™ Physical Media Connectivity

DeviceNet™, Pico Cable Specifications

- Cable that Meets the Electrical Requirements of ODVA Thin Cable
- Pico Cable has 24 AWG Conductors Which May be Used with *picofast*® Connectors



DeviceNet - Pico Cable 5724

Data Rate	Maximum Trunk Length
125 Kbaud	35 meters (115 feet)
250 Kbaud	35 meters (115 feet)
500 Kbaud	35 meters (115 feet)

DeviceNet - Thin Cable 5715

Data Rate	Maximum Trunk Length
125 Kbaud	100 meters (984 feet)
250 Kbaud	100 meters (820 feet)
500 Kbaud	100 meters (328 feet)

Type	Approvals	Power Pair		Data Pair		Outer Jacket	Shields	Bulk Cable Part Number / Weight/300 M
		AWG Color Code	DCR (/1000 feet) Insulation	AWG Color Code	DCR (/1000 feet) Insulation			
5724 AWM 2464 80°C 300 Volts	NEC AWM CEC AWM-I/II A/B FT1 RoHS	2/24 AWG BK/RD	24.9 PVC	2/24 AWG BU/WH	24.9 PE	PVC Light Grey 5.7 mm (.224 in)	Foil (Data Only) 24 AWG	RB51045-*M 27 lbs.
5715 AWM 2464 80°C 300 Volts	NEC AWM CEC AWM-I/II A/B FT1 RoHS	2/22 AWG BK/RD	16.5 PVC	2/22 AWG BU/WH	16.5 PE	PVC Light Grey 6.0 mm (.235 in)	Foil (Data Only) 22 AWG	RB50764-*M 26 lbs.

* Indicates length in meters.

Standard cable lengths are 1, 2, 4, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.

		picofast (M8)				eurofast (M12)			
		Socket (Female)		Pin (Male)		Pin (Male)	Pin (Male)	Socket (Female)	Socket (Female)
		3	4	1	2	7	8	9	10
		PKG 5M	PKW 5M	PSG 5M	PSW 5M	RST	WST	RKT	WKT
	Bare	PKG 5M-57x	PKW 5M-57x	PSG 5M-57x	PSW 5M-57x	RST 57x*	WST 57x	RKT 57x-*	WKT 57x-*
	Socket (Female)	3	4	1	2	7	8	9	10
Socket (Female)	PKG 5M	PKG 5M PKG 5M-57x	PKW 5M PKW 5M-57x	PKG 5M PSG 5M-57x	PKG 5M PSW 5M-57x	PKG 5M RST 57x*M	PKG 5M WST 57x*M	PKG 5M RKT 57x*M	PKG 5M WKT 57x*M
	PKW 5M		PKW 5M PKW 5M-57x	PKW 5M PSG 5M-57x	PKW 5M PSW 5M-57x	PKW 5M RST 57x*M	PKW 5M WST 57x*M	PKW 5M RKT 57x*M	PKW 5M WKT 57x*M
Pin (Male)	PSG 5M			PSG 5M PSG 5M-57x	PSG 5M PSW 5M-57x	PSG 5M RST 57x*M	PSG 5M WST 57x*M	PSG 5M RKT 57x*M	PSG 5M WKT 57x*M
	PSW 5M				PSW 5M PSW 5M-57x	PSW 5M RST 57x*M	PSW 5M WST 57x*M	PSW 5M RKT 57x*M	PSW 5M WKT 57x*M

DeviceNet™ Media

See pages M23 - M24 for dimensional drawings.

* Indicates length in meters.

x Indicates cable type. See page B125 for available cable types.

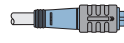
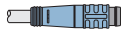
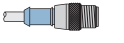

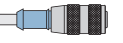
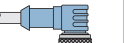
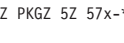
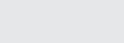
Standard cable lengths are 1, 2, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.

For stainless steel coupling nuts change part number PSG 5M ... to PSGV 5M, PSW 5M ... to PSWV 5M.

picofast		Pinouts	eurofast	
Male 	Female 	1. Bare (Shield Drain Wire) 2. Red (+ Voltage) 3. Black (- Voltage) 4. White (CAN_H) 5. Blue (CAN_L)	Male 	Female

TURCK DeviceNet™ Physical Media Connectivity

DeviceNet™, Cable/Cordsets Selection Matrix - Snap Lock

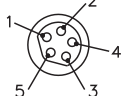
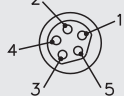
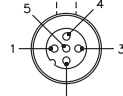
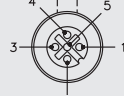
		<i>picofast</i> [*]		<i>eurofast</i> [*]			
		Socket (Female)	Pin (Male)	Pin (Male)	Pin (Male)	Socket (Female)	Socket (Female)
		6  PKG 5Z	5  PSG 5	7  RST	8  WST	9  RKT	10  WKT
Bare		PKG 5Z 57x-*M	PSG 5 57x-*M	RST 57x-*	WST 57x-*	RKT 57x-*	WKT 57x-*
picofast[*] (5724 Cable Only)	Socket (Female)	6  PKG 5Z PKGZ 5Z 57x-*M	PKG 5Z PSG 57x-*M	PKG 5Z RST 57x-*M	PKG 5Z WST 57x-*M	PKG 5Z RKT 57x-*M	PKG 5Z WKT 57x-*M
	Pin (Male)	5  PSG 5	PSG 5 PSG 5 57x-*M	PSG 5 RST 57x-*M	PSG 5 WST 57x-*M	PSG 5 RKT 57x-*M	PSG 5 WKT 57x-*M

See pages M23 - M24 for dimensional drawings.

* Indicates length in meters.

x Indicates cable type. See page M20 for available cable types.

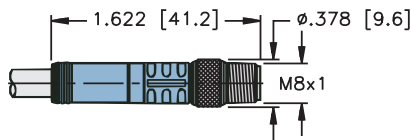
Standard cable lengths are 1, 2, 4, 5, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.

<i>picofast</i>		Pinouts	<i>eurofast</i>	
Male 	Female 	1. Bare (Shield Drain Wire) 2. Red (+ Voltage) 3. Black (- Voltage) 4. White (CAN_H) 5. Blue (CAN_L)	Male 	Female 

Specifications

Overmold:	TPU
Coupling Nut:	Nickel Plated CuZn or Stainless Steel (thread), Nylon (snap lock)
Contact Carrier:	TPU or POM (Nylon)
Contacts:	Gold Plated CuZn
Protection:	NEMA 1, 3, 4, 6P and IEC IP 67
Rated Voltage:	30 V
Rated Current:	3 A
Ambient Temperature:	-40° to +75°C (-22° to +167°F)

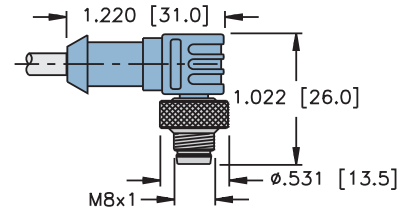
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PSG 5M ..

Pages M21 - M22

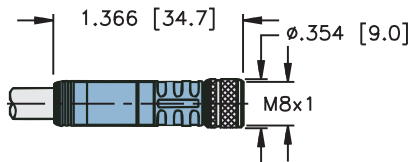
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PSW 5M ..

Pages M21 - M22

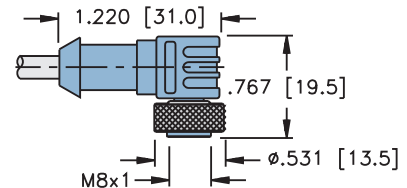
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PKG 5M ..

Pages M21 - M22

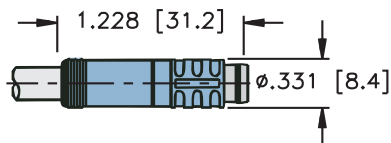
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PKW 5M ..

Pages M21 - M22

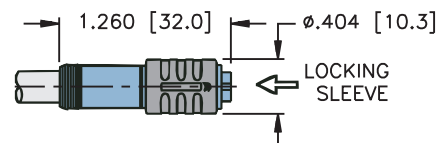
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PSG 5 ..

Pages M22

6



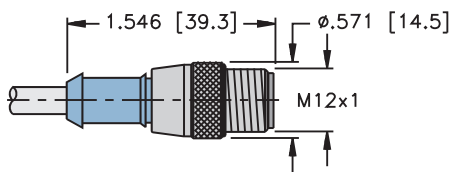
PKG 5Z ..

Pages M22

Specifications

Overmold:	TPU
Coupling Nut:	Nickel Plated CuZn or Stainless Steel
Contact Carrier:	TPU
Contacts:	Gold Plated CuZn
Protection:	NEMA 1, 3, 4, 6P and IEC IP 68
Rated Voltage:	250 V
Rated Current:	4 A
Ambient Temperature:	-40° to +75°C (-22° to +167°F)

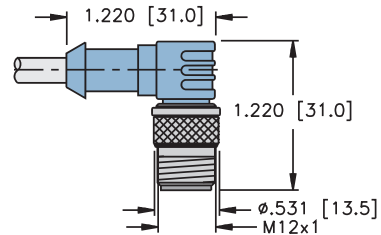
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RST ..

Pages M21 - M22

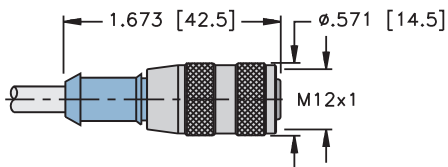
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WST ..

Pages M21 - M22

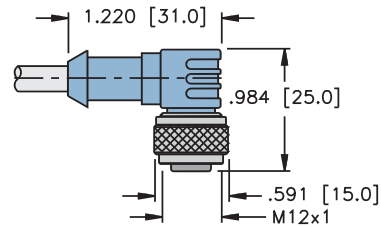
9



RKT ..

Pages M21 - M22

10



WKT ..

Pages M21 - M22

- Terminating Resistors Stabilize and Minimize Reflections on the Bus Line
- A Terminating Resistor is Required at the Beginning and End of the Main Bus Line



Housing Style	Part Number	Specs	Pinouts
	RSM 57-TR2	Nickel plated brass or stainless steel, 300 V (7.6 V max. on pins with resistor), -40° to +80°C, IP 67, 120 Ohms, 1/2 W internal resistance	<p>Male</p>
	RKM 57-TR2	Nickel plated brass or stainless steel, 300 V (7.6 V max. on pins with resistor), -40° to +80°C, IP 67, 120 Ohms, 1/2 W internal resistance,	<p>Female</p>
	RSM 57-TR2/VM	Nickel plated brass or stainless steel, 24 V (7.6 V max. on pins with resistor), -40° to +80°C, IP 67, 120 Ohms, 1/2 W internal resistance, voltage monitoring Led indication: Red - reverse polarity Green-okay	<p>Male</p>
	RSE 57-TR2	Nickel plated CuZn or stainless steel, 250 V(7.6 V max. on pins with resistor), 4 A, -40° to +80°C, IP 68, 120 Ohms, 1/2 W internal resistance	<p>Male</p>
	RKE 57-TR2	Nickel plated CuZn or stainless steel, 250 V (7.6 V max. on pins with resistor), 4 A, -40° to +80°C, IP 68, 120 Ohms, 1/2 W internal resistance	<p>Female</p>
	RSE 57-TR2/VM	Nickel plated CuZn or stainless steel, 10-30 VDC, -40° to +80°C, IP 68, 120 Ohms, 1/2 W internal resistance, voltage monitoring Led indication: Red - reverse polarity Green-okay	<p>Male</p>

DeviceNet™ Media

TURCK DeviceNet™ Physical Media Connectivity

DeviceNet™, Terminating Resistors

- Terminating Resistors Stabilize and Minimize Reflections on the Bus Line
- A Terminating Resistor is Required at the Beginning and End of the Main Bus Line



Housing Style	Part Number	Features	Pinouts
	PSGM 5M 57-TR	Nickel plated brass or stainless steel, 125 V(7.6 V max on resistor), 2 A, -40° to +105°C, IP 67, male <i>picofast</i> connector, 120 Ohms, 1/2 W internal resistance	Male
	PKGM 5M 57-TR		Female

DeviceNet™, Receptacles



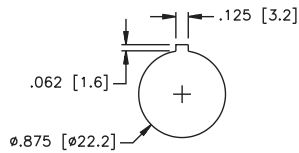
- Receptacles Provide Transition from Male to Female Connectors
- Available for Bulkhead and Feed Through Applications



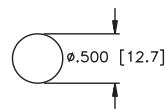
Housing Style	Part Number	Features	Pinouts
	RSF RKF 57/22	Straight male/female feed through, nickel plated CuZn or stainless steel, 300 V, 9 A, -40° to +75°C, IP 67	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Male</p> </div> <div style="text-align: center;"> <p>Female</p> </div> </div>
	FKM FS 57/M12	Straight male/female feed through, nickel plated CuZn or stainless steel, 150 V, 4 A, -40° to +75°C, IP 67	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Male</p> </div> <div style="text-align: center;"> <p>Female</p> </div> </div>

Standard housing material is nickel plated brass. "RSF RKF.."; "RSFV RKFV.." indicates stainless steel housing.

**Panel Cutout
RSF RKF 57/22**



**Panel Cutout
FKM FS 57/M12**



DeviceNet™ Media

TURCK DeviceNet™ Physical Media Connectivity

DeviceNet™, eurofast® Drop Junctions

- Creates a Drop or Branch from the Main Bus Line
- Cable Drop Lengths Available Up to a Maximum of 6 Meters



Housing	Part Number	Application	Wiring Diagrams
	VB2-FKM/FKM/FSM 57	Ready for <i>eurofast</i> drop and trunk cordsets Maximum six meter drop	
	VB2-RKC 57x-*M-FKM FSM	Ready for <i>eurofast</i> trunk line, maximum six meter drop	
	VB2-FKM/RKC RSC 57x-*M/*M	Ready for <i>eurofast</i> drop cordsets, maximum six meter branch	

* Indicates length in meters.

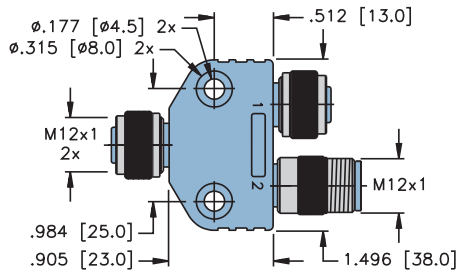
x Indicates cable type.

Specifications

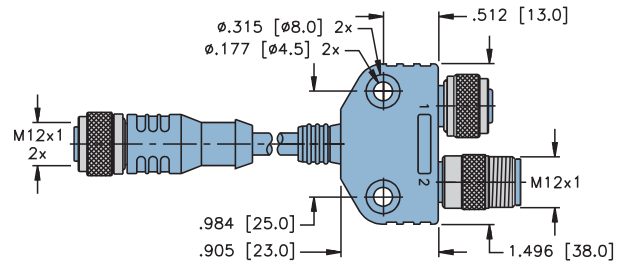
Overmold:	TPU
Coupling Nut:	Nickel Plated CuZn or Stainless Steel
Contact Carrier:	TPU or POM (Nylon)
Contacts:	Gold Plated CuZn
Protection:	NEMA 1, 3, 4, 6P and IEC IP 68
Rated Voltage:	250 V
Rated Current:	4 A
Ambient Temperature:	-40° to +75°C (-22° to +167°F)

Mounting: Mounting hole accepts #8 screw.

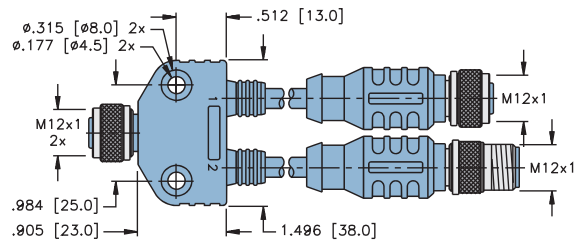
VB2-FKM/FKM/FSM 57



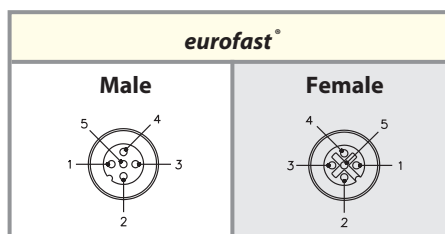
VB2-RKC 57x-*M-FKM FSM



VB2-FKM/RKC RSC 57x-*M/*M



Pinouts



TURCK DeviceNet™ Physical Media Connectivity

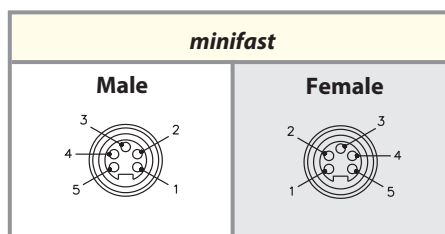
DeviceNet™, Bus Drop and Diagnostic Tees

- Creates a Drop or Branch from the Main Bus Line
- (7/8-16UN) *minifast*® Connectors on Bus and Drop Lines
- Available in Three Keyway Options



Housing Style	Part Number	Features	Wiring Diagrams
	RSM-2RKM 57	TPU, 300 V, 9 A, -40° to +75°C, maximum six meter branch, Standard keyway	
	RSM 2RKM 57-KF	TPU, 300 V, 9 A, -40° to +75°C, maximum six meter branch, keyway facing female	
	RSM 2RKM 57-KM	TPU, 300 V, 9 A, -40° to +75°C, maximum six meter branch, keyway facing male	

Pinouts



DeviceNet™, Bus Drop and Diagnostic Tee



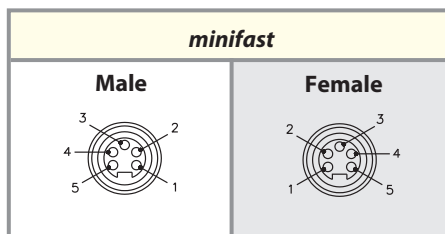
- Creates a Drop or Branch from the Main Bus Line
- (7/8-16UN) *minifast*® Connectors on Bus and Drop Lines
- Available in Three Keyway Options
- Different Genders Available
- LED Status Indicator



Housing Style	Part Number	Features	Wiring Diagrams
	SH-RKM/RSM/RKM 57/VM	TPU (Polyurethane), 30 V, 9 A, -40° to +105°C, maximum six meter branch	
	RSM RSM 57-0/VM	TPU (Polyurethane), 30 V, 9 A, -40° to +105°C, maximum six meter branch	
	RSM RKM 57-0/VM	TPU (Polyurethane), 30 V, 9 A, -40° to +105°C, maximum six meter branch	
	RKM RKM 57-0/VM	TPU (Polyurethane), 30 V, 9 A, -40° to +105°C	

DeviceNet™ Media

Pinouts



TURCK DeviceNet™ Physical Media Connectivity

DeviceNet™, Bus Drop and Diagnostic Tee

- Creates a Drop or Branch from the Main Bus Line
- (7/8-16UN) *minifast*® Connectors on Bus and Drop Lines
- Available in Three Keyway Options
- Different Genders Available
- LED Status Indicator



Housing Style	Part Number	Features	Wiring Diagrams
<p>MT-RKM/RSM/RKM 57/DNET/VM</p>		TPU (Polyurethane), 30 V, 9 A, -40° to +105°C	
<p>MT-RSM/2RKM 57/DNET/VM</p>			

DeviceNet™, Bus Drop and Diagnostic Tee



- Creates a Drop or Branch from the Main Bus Line
- (7/8-16UN) minifast® Connectors on Bus and Drop Lines
- Available in Three Keyway Options
- Different Genders Available



Housing Style	Part Number	Features	Wiring Diagrams
	MT-RSM/2RKM 57/DNET		
	SH-RKM/RSM/RKM 57		
	SH-RSM-2RKM 57	TPU (Polyurethane), 30 V, 9 A, -40° to +105°C	
	RSM RSM 57-0		
	RKM RKM 57-0		

DeviceNet™ Media

TURCK DeviceNet™ Physical Media Connectivity

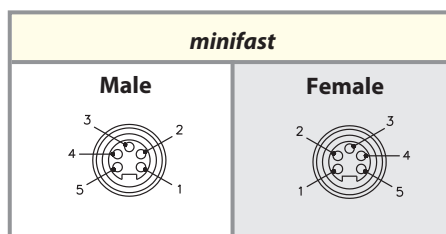
DeviceNet™, Power and Diagnostic Tees

- Provide a Drop to Insert Power or Diagnostic Equipment
- (7/8-16UN) *minifast*® Connectors on Bus and Drop Lines
- Reverse Current Protection on Power Tap



Housing Style	Part Number	Features	Wiring Diagrams
	RSM RKM 57 WSM 40 PST	TPU, 300 V, 9 A, -40° to +75°C, bus power tee provides segment power, includes reverse current protection	
	RSM 2RKM 57 DGT	TPU, 300 V, 9 A, -40° to +75°C, bus diagnostic tee provides easy connection for diagnostic tools, tap protected with cover when not in use (not shown)	

Pinouts



DeviceNet™, Bus Tees

- Creates a Drop or Branch from the Main Bus Line
- Cable Drop Can Be Up to a Maximum of 6 Meters
- *euromast*® Drop Connector or Extension Cordset



Housing Style	Part Number	Features	Wiring Diagrams
	RSM FKM RKM 57	TPU, 250 V, 4 A, -40° to +75°C, <i>minifast</i> ® to <i>euromast</i> bus power and data drop	
	RSM RKC 57x-*M RKM 57	TPU, 250 V, 4 A, -40° to +75°C, <i>minifast</i> to <i>euromast</i> cordset, bus power and data drop	

DeviceNet™ Media

Pinouts

<i>minifast</i>		<i>euromast</i>
<p>Male</p>	<p>Female</p>	<p>Female</p>

TURCK DeviceNet™ Physical Media Connectivity

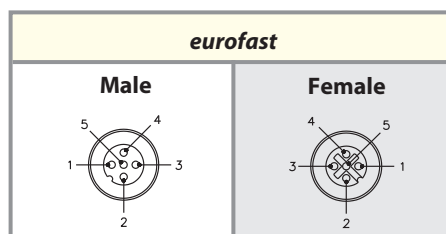
DeviceNet™, eurofast® Bus Tees

- Creates a Drop or Branch from the Main Bus Line
- Cable Drop Can Be Up to a Maximum of 6 Meters
- eurofast Drop Connector



Housing Style	Part Number	Features	Wiring Diagram
	RSC 2RKC 57	TPU, 250 V, 4 A, -40° to +75°C, eurofast trunk and drop	
	RSC 2RKC 57/KS	TPU, 250 V, 4 A, -40° to +75°C, eurofast trunk and drop, keyway aligns tee in-line on (M8x1) piconet ® boxes	
	RSC RKC 572-*M/RKC 57	TPU, 32 V, 4 A (pins 2,3) 1 A (all others), -40° to +80°C	

Pinouts



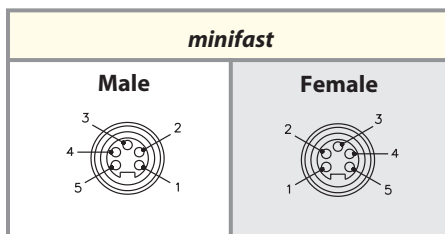
- Allows Quick and Easy Changes from Male to Female Connectors
- Available in Straight and Right Angle Styles with *minifast*® Connectors



Housing Style	Part Number	Features	
	RSM RSM 57	TPU, 300 V, 9 A, -40° to +80°C, changes female cordset to male cordset	
	RKM RKM 57	TPU, 300 V, 9 A, -40° to +80°C, Changes male cordset to female cordset changes straight male or female cordset to right angle cordset	
	WSM RKM 57	TPU, 300 V, 9 A, -40° to +80°C, right angle male to female connector	

DeviceNet™ Media

Pinouts



TURCK DeviceNet™ Physical Media Connectivity

DeviceNet™, Gender Changers and Elbow Connectors

- Allows Quick and Easy Changes from Male to Female and *minifast*® to *eurofast*® Connectors



Housing Style	Part Number	Features	Wiring Diagrams
	RSM 57-FK 4.5	Nickel plated CuZn or stainless steel, 250 V, 4 A, -40° to +75°C, female <i>eurofast</i> to male <i>minifast</i> adapter	
	RSC RKC 57	Nickel plated CuZn, 250 V, 4 A, -40° to +105°C, male <i>eurofast</i> to female <i>eurofast</i> adapter	
	RSC WKC 57	Nickel plated CuZn, 250 V, 4 A, -40° to +105°C, male <i>eurofast</i> to female <i>eurofast</i> adapter	

Pinouts

<i>minifast</i>	<i>eurofast</i>	<i>eurofast</i>
Male 	Male 	Female

- Provides Quick Connection to Field Devices or Enclosures
- Available for 1/2-14NPT, 1/2-14NPSM, 3/4-14NPT and M20 Threads



Housing Style	Female Part Number	Male Part Number	Features	Pinouts
<p>RKF 57../14.5</p> <p>RSF 57../14.5</p>	RKF 57-*M/14.5	RSF 57-*M/14.5	Nickel plated CuZn or stainless steel, 300 V, 9 A, -40° to +105°C, 1/2-14NPT full length threads	<p>Female</p>
<p>RKF 57../14.75</p> <p>RSF 57../14.75</p>	RKF 57-*M/14.75	RSF 57-*M/14.75	Nickel plated CuZn or stainless steel, 300 V, 9 A, -40° to +105°C, 3/4-14NPT full length threads	<ol style="list-style-type: none"> GY RD BK WH BU
<p>RKF 57../M20</p> <p>RSF 57../M20</p>	RKF 57-*M/M20	RSF 57-*M/M20	Nickel plated CuZn or stainless steel, 300 V, 9 A, -40° to +105°C, M20x1.5 threads	<p>Male</p>

* Length in meters.

Standard cable length is 0.5 meters. Consult factory for other lengths.

Standard housing material is nickel plated brass. "RKF .."; "RKFV .." indicates 316 stainless steel housing.

For locknuts to be included, add "W/LN" to the end of the part number.

TURCK DeviceNet™ Physical Media Connectivity

DeviceNet™, (7/8-16UN) minifast® Male Receptacles

- Provides Quick Connection to Field Devices or Enclosures
- Available for 1/2-14NPT, 1/2-14NPSM, 3/4-14NPT and M20 Threads



Housing Style	Female Part Number	Male Part Number	Features	Pinouts
<p>RKF 57..</p> <p>RSF 57..</p>	RKF 57-*M	RSF 57-*M	Nickel plated CuZn or stainless steel, 300 V, 9 A, -40° to +105°C, 1/2-14NPSM threads	<p>Female</p>
<p>RKF 57../NPT</p> <p>RSF 57../NPT</p>	RKF 57-*M/NPT	RSF 57-*M/NPT	Nickel plated CuZn or stainless steel, 300 V, 9 A, -40° to +105°C, 1/2-14NPT modified length threads	<p>Male</p>

* Length in meters.

Standard cable length is 0.5 meters. Consult factory for other lengths.

Standard housing material is nickel plated brass. "RKF .."; "RKFV .." indicates 316 stainless steel housing.

For locknuts to be included, add "W/LN" to the end of the part number.

- Provides Quick Connection to Field Devices
- Available for 1/2-14NPT, 1/2-14NPSM, 3/4-14NPT and M20 Threads



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FK 57../14.5</p> <p>FS 57../14.5</p>	FK 57-*M/14.5	FS 57-*M/14.5	Nickel plated CuZn or stainless steel, 250 V, 4 A, -40° to +105°C, 1/2-14NPT full length threads	<p>Female</p>
<p>FK 57../14.75</p> <p>FS 57../14.75</p>	FK 57-*M/14.75	FS 57-*M/14.75		
<p>FK 57../M20</p> <p>FS 57../M20</p>	FK 57-*M/M20	FS 57-*M/M20	Nickel plated CuZn or stainless steel, 250 V, 4 A, -40° to +105°C, M20x1.5 threads	<p>Male</p>

* Length in meters.
 Standard cable length is 0.5 meters. Consult factory for other lengths.
 Standard housing material is nickel plated brass. "RKF .."; "RKfV .." indicates 316 stainless steel housing.

TURCK DeviceNet™ Physical Media Connectivity

DeviceNet™, (M12x1) eurofast® Male Receptacles

- Provides Quick Connection to Field Devices
- Available for 1/2-14NPT, 1/2-14NPSM, 3/4-14NPT and M20 Threads



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>FK 57...</p> <p>FS 57..</p>	FK 57-*M	FS 57-*M	Nickel plated CuZn or stainless steel, 250 V, 4 A, -40° to +105°C, PG 9 threads	<p>Female</p>
<p>FK 57.../NPT</p> <p>FS 57.../NPT</p>	FK 57-*M/NPT	FS 57-*M/NPT		<p>1. GY 2. RD 3. BK 4. WH 5. BU</p> <p>Male</p>

* Length in meters.

Standard cable length is 0.5 meters. Consult factory for other lengths.

Standard housing material is nickel plated brass. "RKF .."; "RKFV .." indicates 316 stainless steel housing.

- Provides (7/8-16UN) minifast Connection to Field Devices



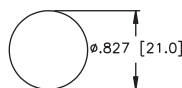
Housing Style	Female Part Number	Male Part Number	Features	Pinouts
<p>RKF 57 PCB</p>	RKF 57-PCB	RSF 57-PCB	Nickel plated CuZn or stainless steel, 300 V, 9 A, -40° to +105°C, minifast PCB pins	<p>Female</p>
<p>RSF 57 PCB</p>				
<p>RKF 57</p>	RKF 57	RSF 57	Nickel plated CuZn or stainless steel, 300 V, 9 A, -40° to +105°C, minifast solder cups	<p>Male</p>
<p>RSF 57</p>				

1. BARE
2. RD
3. BK
4. WH
5. BU

DeviceNet™ Media

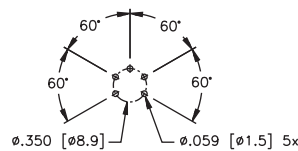
Standard housing material is nickel plated brass "RSFV .."; "RKFV .." indicates 316 stainless steel.

Panel Cutout
FK ... FS



Board Layout (reference only)

FK ... FS



TURCK DeviceNet™ Physical Media Connectivity

DeviceNet™, eurofast® PCB and Solder Cup Receptacles

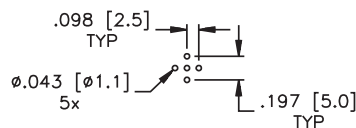
- Provides (M12x1) eurofast Connection to Field Devices



Housing Style	Female Part Number	Male Part Number	Features	Pinouts
<p>FS 57 PCB KIT</p> <p>FK 57 PCB KIT</p>	FK 57-PCB KIT	FS 57-PCB KIT	Nickel plated CuZn or stainless steel, 250 V, 4 A, -40° to +105°C, male eurofast with mounting kit	<p>Male</p>
<p>FS 57 PCB</p> <p>FS 57 PCB</p>	FK 57-PCB	FS 57-PCB		

Standard housing material is nickel plated brass "FSV ..."; "FKV ..." indicates 316 stainless steel.

Board Layout (reference only) FK ... FS



TURCK DeviceNet™ Physical Media Connectivity

DeviceNet™, eurofast® PCB Pins and Solder Cup Receptacles



- Provides (M12x1) eurofast Connection to Field Devices

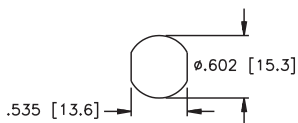


Housing Style	Female Part Number	Male Part Number	Features	Pinouts
<p>FKFD 57 PCB</p>	FKFD 57-PCB	FSFD 57-PCB	Nickel plated CuZn or stainless steel, 250 V, 4 A, -40° to +105°C, male eurofast PCB pins	<p>Female</p>
<p>FSFD 57 PCB</p>				
<p>FKFDL 57</p>	FKFDL 57	FSFDL 57	Nickel plated CuZn or stainless steel, 250 V, 4 A, -40° to +105°C, male eurofast solder cups	
<p>FSFDL 57</p>				
<p>WFS 57 PCB</p>		WFS 57-PCB	Nickel plated CuZn or stainless steel, 250 V, 4 A, -40° to +105°C, male eurofast right angle PCB pins	

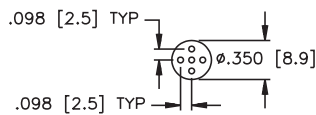
DeviceNet™ Media

Standard housing material is nickel plated brass "FKFD .."; "FKFDV .." indicates 316 stainless steel.

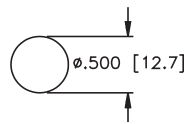
Panel Cutout
FKFD ... FSFD



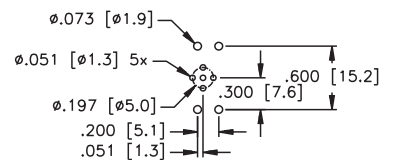
Board Layout (reference only)
FKFD ... FSFD



Panel Cutout
WFS



Board Layout (reference only)
WFS



TURCK DeviceNet™ Physical Media Connectivity

DeviceNet™, minifast® Field Wireable Connectors

- Allows for Quick Connection when Pre-Molded Cables not Available
- Available for Male and Female Connectors
- Color Coded Wire Connections for DeviceNet



Housing Style	Female Part Number	Male Part Number	Features	Pinouts
<p>B 4151..</p>	B 4151-0/9/DNET	BS 4151-0/9/DNET	Glass filled nylon, PG 9 cable gland, accepts 6-8 mm cable diameter, screw terminals, 85°C, 250 V, 9 A, mates with all 5-pin cordsets and receptacles	<p>Female</p>
<p>BS 4151..</p>	B 4251-0/9/DNET	BS 4251-0/9/DNET	Glass filled nylon, PG 9 cable gland, accepts 6-8 mm cable diameter, screw terminals, 85°C, 250 V, 9 A, mates with all 5-pin cordsets and receptacles	
<p>B 4251..</p>	B 4151-0/13.5/DNET	BS 4151-0/13.5/DNET	Glass filled nylon, PG 13.5 cable gland, accepts 10-12 mm cable diameter, screw terminals 85°C, 250 V, 9 A, mates with all 5-pin cordsets and receptacles	<p>Male</p>
<p>BS 4251..</p>	B 4151-0/16/DNET	BS 4151-0/16/DNET	Glass filled nylon, PG 16 cable gland, accepts 12-14 mm cable diameter, screw terminals 85°C, 250 V, 9 A, mates with all 5-pin cordsets and receptacles	

TURCK DeviceNet™ Physical Media Connectivity



DeviceNet™, eurofast® Field Wireable Connectors

- Allows for Quick Connection when Pre-Molded Cables not Available
- Available for Male and Female Connectors in Straight or Right-Angle Configurations
- Color Coded Wire Connections for DeviceNet



Housing Style	Female Part Number	Male Part Number	Features	Pinouts
<p>B 81...</p> <p>BS 81...</p>	B 8151-0/PG9/DNET	BS 8151-0/PG9/DNET	PBT, Black, PG 9 cable gland, accepts 4-8 mm cable diameter, screw terminals, 85°C, 125 V, 4 A, mates with 5-pin cordsets and receptacles	<p>Male</p>
<p>B 82...</p> <p>BS 82...</p>	B 8251-0/PG9/DNET	BS 8251-0/PG9/DNET		<p>Female</p>

DeviceNet™ Media

TURCK DeviceNet™ Physical Media Connectivity

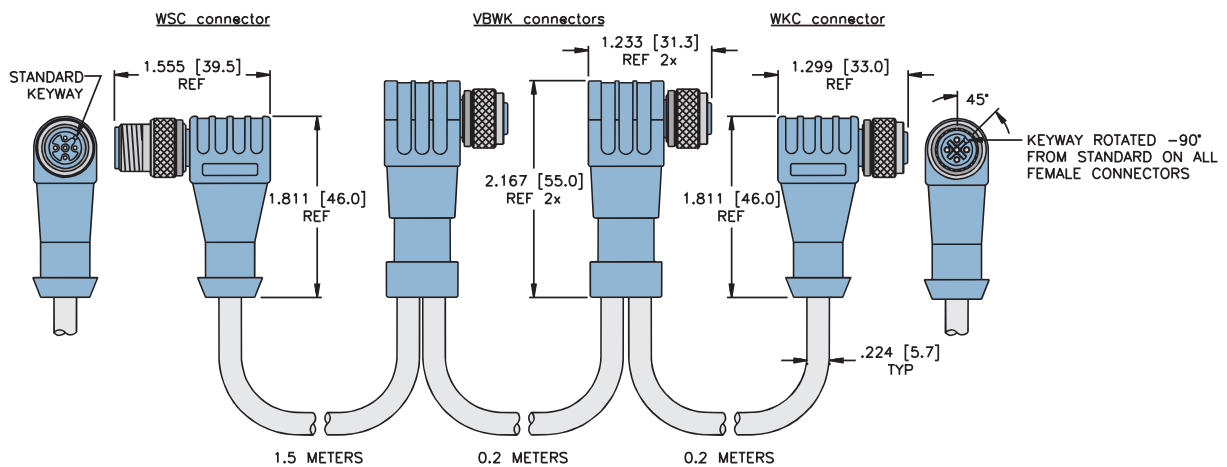
DeviceNet™, eurofast® Daisy Chain Configurations

- Multi-drop Harnesses Designed for OEM Applications
- Provides Cost Effective Solution vs. Single Tees and Drops

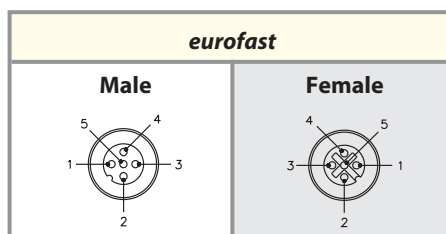


Part Number	Features
WSC 2VBWK WKC 5724-1.5M-0.2M-0.2M	TPU, 250 V, 4 A, -40° to +75°C, available in custom configurations including length, number of drops and end connector styles

Consult factory for other designs.



Pinouts



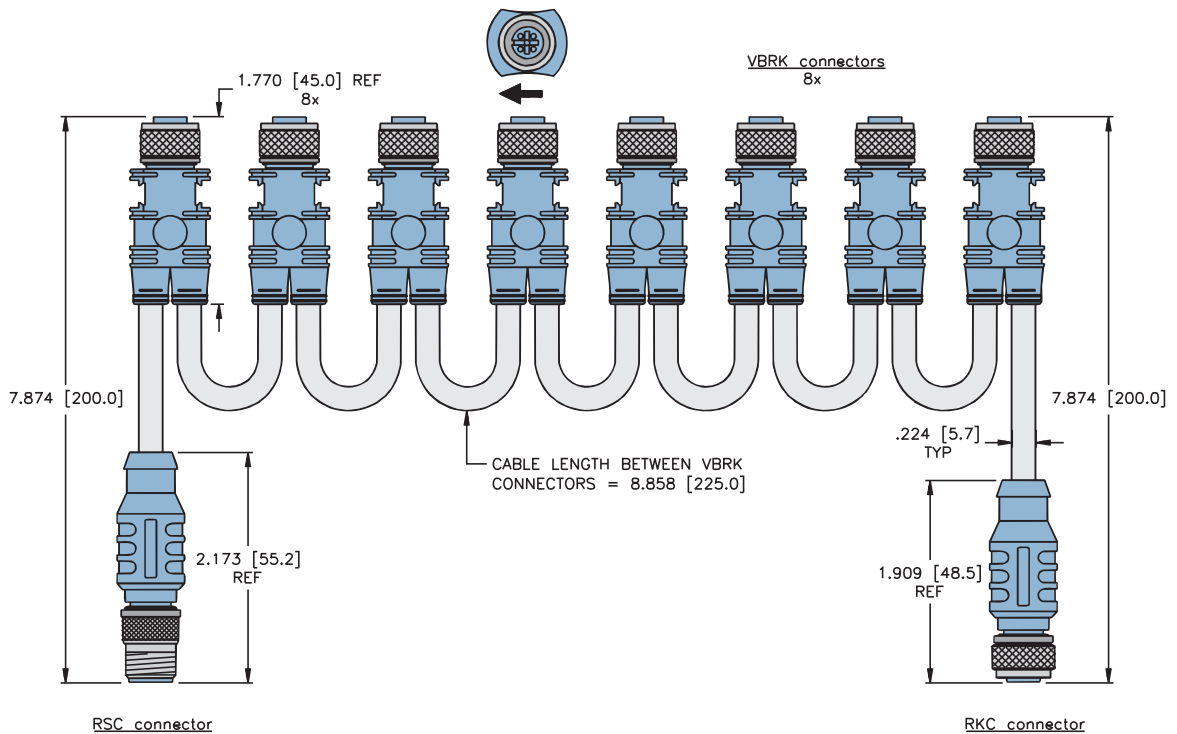
DeviceNet™, eurofast® Daisy Chain Configurations

- Multi-drop Harnesses Designed for OEM Applications
- Provides Cost Effective Solution vs. Single Tees and Drops



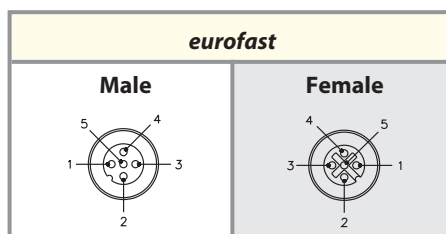
Part Number	Features
RSC 8VBRK RKC 5724-DCL	TPU, 250 V, 4 A, -40° to +75°C, available in custom configurations including length, number of drops and end connector styles

Consult factory for other designs.



DeviceNet™ Media

Pinouts



Notes:

Part Number Keys	N3
Cordsets	N8
Tees	N15
Receptacles	N18
Field Wireables	N22

Features

- Cables that meet the requirements of Foundation Fieldbus FF-844 Type A Cable
- ITC/PLTC listed cable (CSA FT4)
- Expose Run (ER) and Direct Buried (DB) listed cable
- Oil resistant II and sunlight resistant
- 7/8 and M12 connectors
- Up to 9 Amps and 600 Volt rated
- IP67/IP69K rated



FOUNDATION™ fieldbus General Specifications

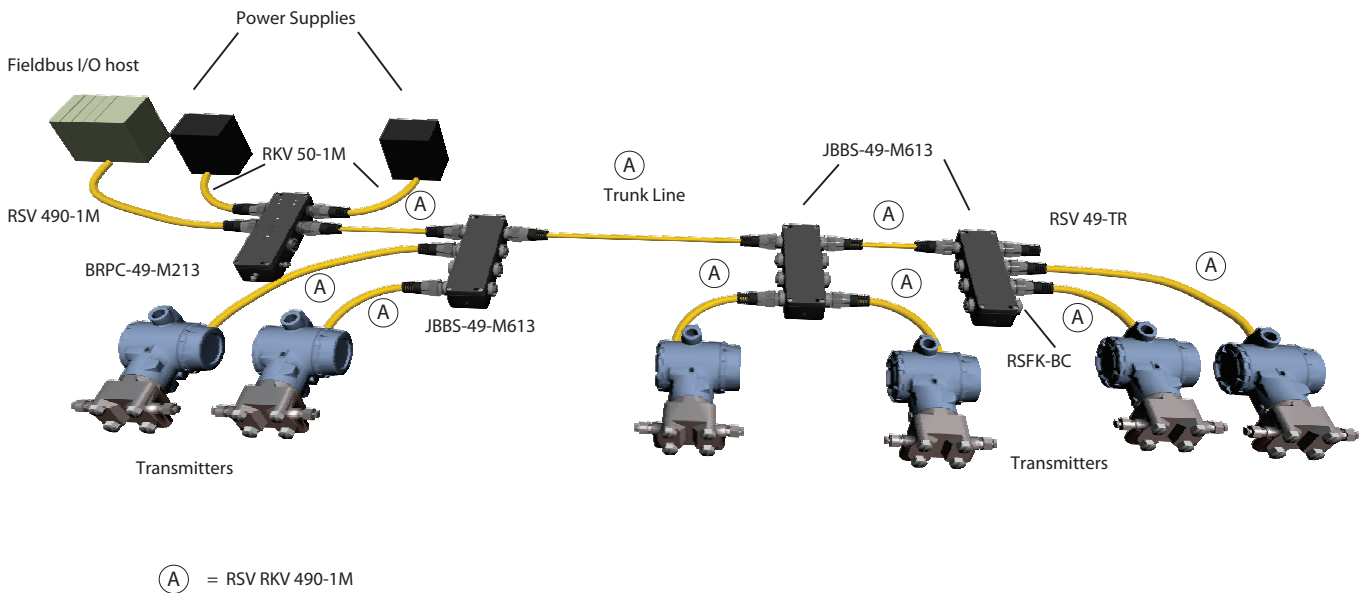
FOUNDATION fieldbus is a communication protocol and physical method to interconnect smart devices such as temperature transmitters, pressure transmitters and valve actuators. The physical layer conforms to ISA SP50.02 and IEC 1158-2 standards for fieldbuses.

Fieldbus technology allows many smart devices to share one communication medium. The digital communication signal is superimposed onto a DC carrier. This reduces the amount of terminations to connect all the field devices to a host system and allows greater flexibility for future additions of I/O points.

A FOUNDATION fieldbus device is addressable and can store and transmit data. The devices can store values, track changes and use pre-set alarms to trigger. Based on pre-defined tag names host systems can read transmitter values such as temperature and pressure to set values of a valve actuator.

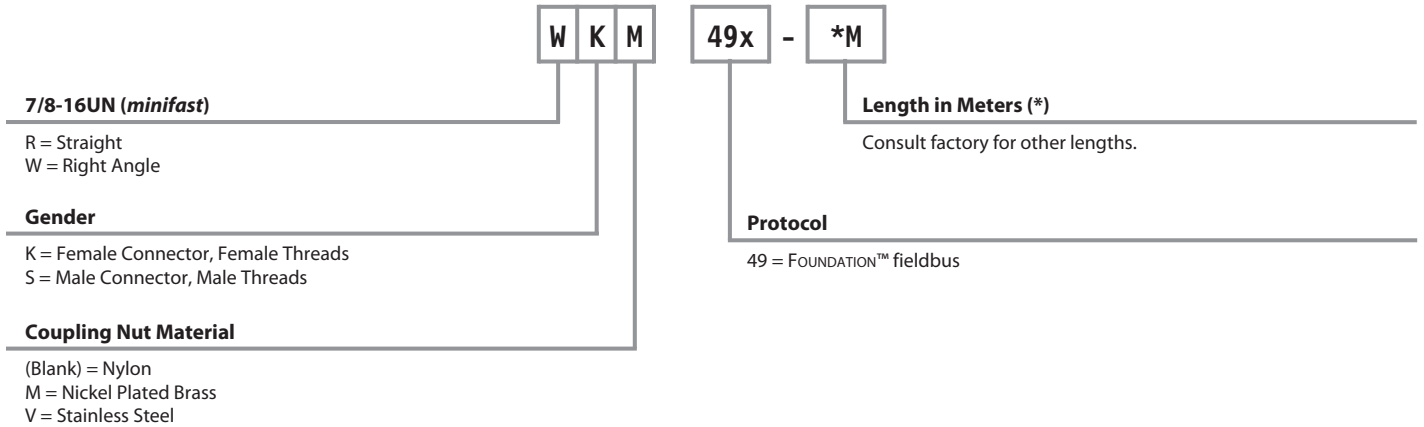
Digital signal encoding is done using Manchester BiPhase-L and error checking is done with the CRC method. FOUNDATION fieldbus has two types of devices - A Basic Device (BD) which reads inputs, track values and set outputs if programmed to do so - A Link Active Scheduler (LAS) performs the same features as a BD and handles network communication timing between all the active devices on the network.

Topology

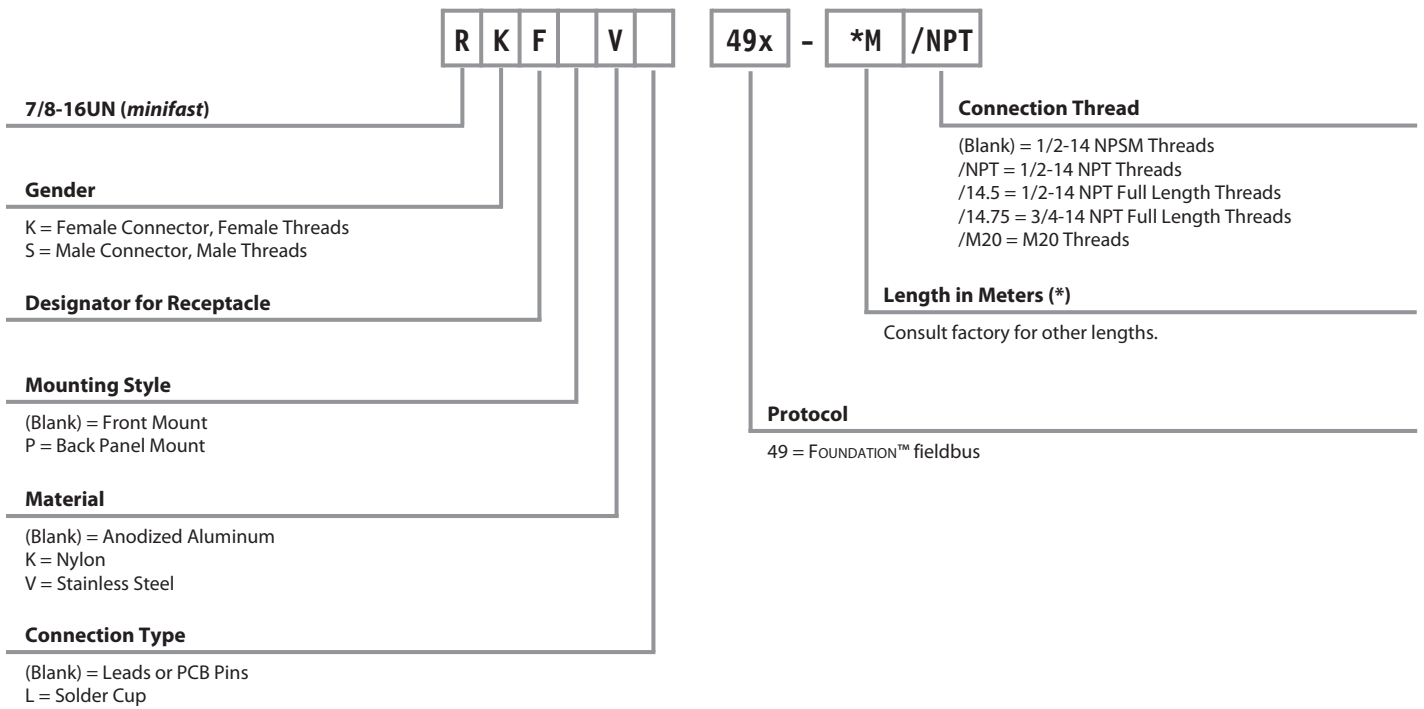


minifast® Cordset Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



minifast Receptacle Part Number Key

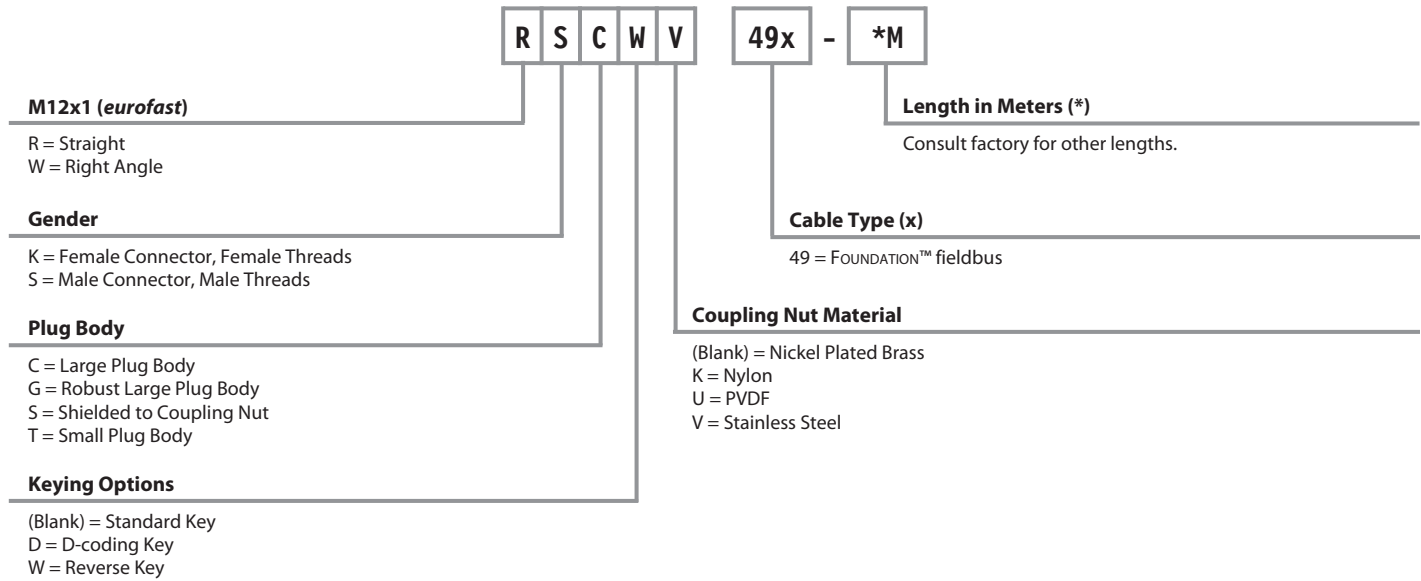


FOUNDATION™ fieldbus

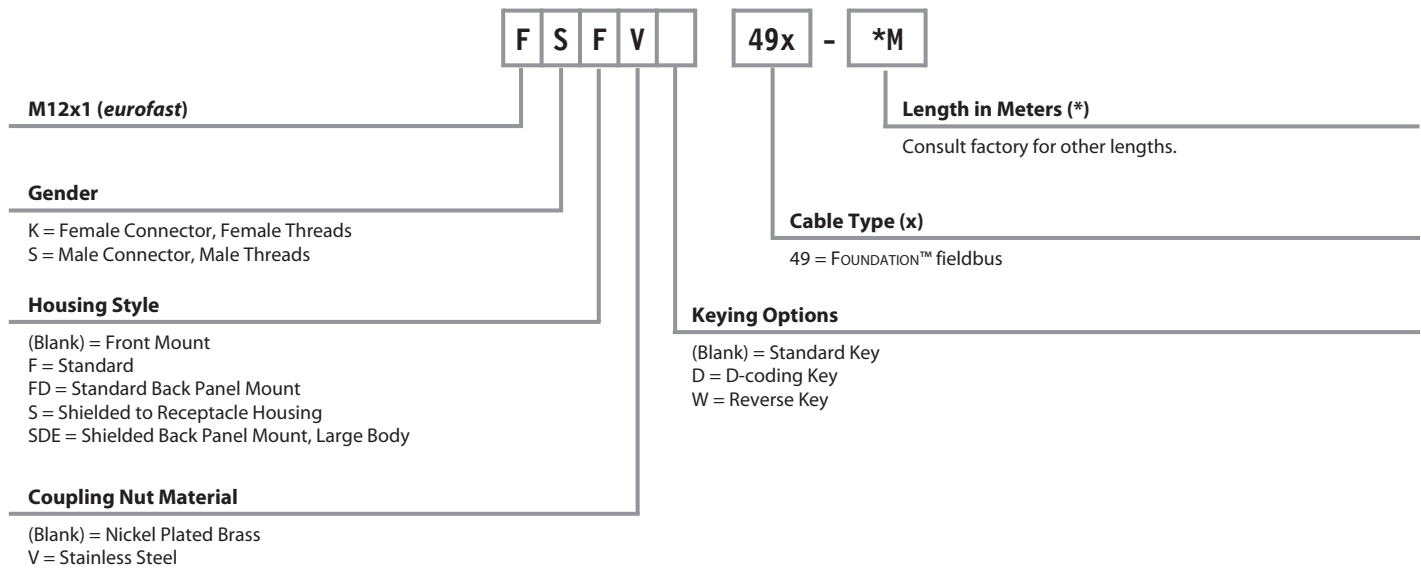
TURCK FOUNDATION™ fieldbus Physical Media Connectivity

euromast® Cordset Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



euromast Receptacle Part Number Key

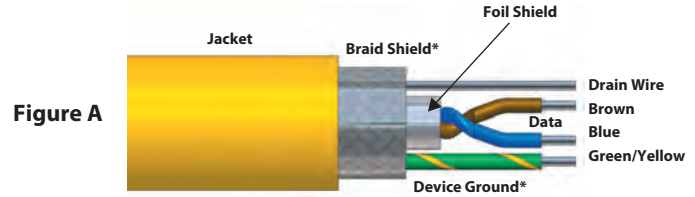


Notes:

TURCK FOUNDATION™ fieldbus Physical Media Connectivity

Cable Specifications

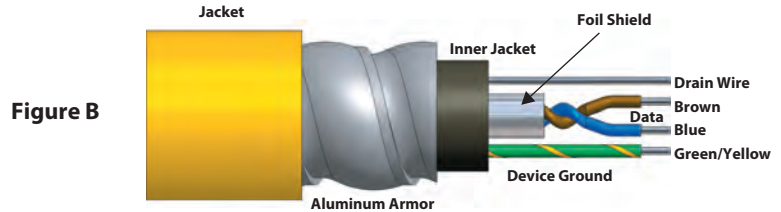
- Cables are compliant with FOUNDATION fieldbus FF-844 Cable Specification for Type A cable, IEC 61158-2 and ISA /SP50
- Cables are Available in 3-wire Versions with a Device Ground or 2-wire Versions



*Available on some cable types

Type A Cable Specifications

- Temperature range: -40 to +105°C
- UV Resistant
- PLTC and ITC Listed (CSA FT4)
- Exposed Run (ER) and Direct Buried (DB) Listed
- Maximum Attenuation at 1.25 f_c (39 kHz) = 3.0 dB/km
- Characteristic Impedance 100 ± 10 @ 31.25 KHz
- Capacitance: 20 pF/Ft nominal
- Inductance: 0.22 H/Ft. nominal
- Conductor Cross-sectional area (wire size) = nominal 0.75 mm² (#18 AWG) or 1.5 mm² (#16 AWG)
- Shield Coverage = 100 %

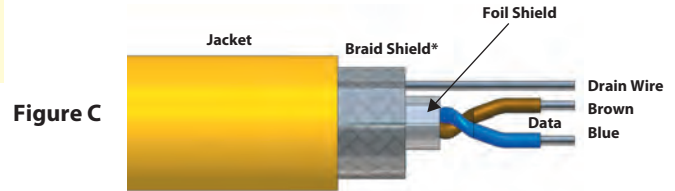


Type	Approvals	Data Pair		Device Ground	Outer Jacket	Shields	Bulk Cable Part Number / Weight/300 M	Figure
		AWG Color Code	DCR (/1000 feet) Insulation	AWG Color Code	Material Color Nominal O.D.	Type Drain Wire		
490 AWM 2517 105°C 600 Volts	NEC/UL ITC PLTC Exposed Run, Direct Burial, CEC/CSA [CMG] AWM I/II A/B FT4	2/18 AWG BU/BN	7.06 Ohms XLPE	18 AWG GN/YE	PVC Yellow 8.4 mm (.330 in)	Foil 20 AWG	RB50693-*M 65 lbs.	A
490B AWM 2517 105°C 600 Volts	NEC/UL ITC PLTC Exposed Run, Direct Burial, CEC/CSA [CMG] AWM I/II A/B FT4	2/18 AWG BU/BN	7.06 Ohms XLPE	18 AWG GN/YE	PVC Blue 8.4 mm (.330 in)	Foil 20 AWG	RB50783-*M 65 lbs.	A
492A 105°C 300 Volts	NEC/UL ITC PLTC Exposed Run, Direct Burial, CEC/CSA [CMG] HLABCD	2/18 AWG BU/BN	7.06 Ohms XLPE	18 AWG GN/YE	Armor/PVC Yellow 14.9 mm (0.585 in)	Foil 18 AWG	RB50874-*M 108 lbs. armorfast ®	B
492BA 105°C 300 Volts	NEC/UL ITC PLTC Exposed Run, Direct Burial, CEC/CSA [CMG] HLABCD	2/18 AWG BU/BN	7.06 Ohms XLPE	18 AWG GN/YE	Armor/PVC Blue 14.9 mm (0.585 in)	Foil 18 AWG	RB50803-*M 108 lbs. armorfast ®	B

* Indicates length in meters.
Standard cable spool lengths are 30, 75, 100, 150, 200, 225 and 300 meters.

Cable Specifications

- Cable that Meets the Requirements of ISA/SP50 and FOUNDATION™ fieldbus Requirements for Type A Cable
- Cables are Available in 3-wire Versions with a Device Ground or 2-wire Versions



Type A Cable Specifications

- Temperature range: -40 to +105°C
- UV Resistant
- PLTC and ITC Listed (CSA FT4)
- Exposed Run (ER) and Direct Buried (DB) Listed
- Maximum Attenuation at 1.25 f_c (39 kHz) = 3.0 dB/km
- Characteristic Impedance 100 ± 10 @ 31.25 KHz
- Capacitance: 20 pF/Ft nominal
- Inductance: 0.22 H/Ft. nominal
- Conductor Cross-sectional area (wire size) = nominal 0.75 mm² (#18 AWG) or 1.5 mm² (#16 AWG)
- Shield Coverage = 100 %

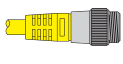

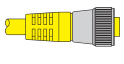
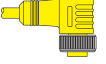
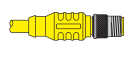

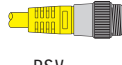

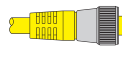
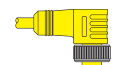

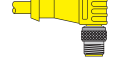

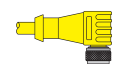
Type	Approvals	Data Pair		Device Ground	Outer Jacket	Shields	Bulk Cable Part Number / Weight/300 M	Figure
		AWG Color Code	DCR (/1000 feet) Insulation					
493 AWM 2517 105°C 300 Volts	NEC/UL ITC PLTC Exposed Run, Direct Burial, CEC/CSA [CMG] HLABCD	2/18 AWG BU/BN	7.06 Ohms XLPE	None	PVC Yellow 8.5 mm (.335 in)	Foil/Braid 20 AWG	RB50784-*M 62 lbs.	C
493B AWM 2517 105°C 300 Volts	NEC/UL ITC PLTC Exposed Run, Direct Burial, CEC/CSA [CMG] HLABCD	2/18 AWG BU/BN	7.06 Ohms XLPE	None	PVC Blue 8.5 mm (.335 in)	Foil/Braid 20 AWG	RB50786-*M 62 lbs.	C
493O AWM 2517 105°C 300 Volts	NEC ITC PLTC Open Wiring, Direct Burial CEC [CMG] AWM I/II A/B FT4	2/18 AWG BU/BN	7.06 Ohms XLPE	None	PVC Orange 8.5 mm (.335 in)	Foil/Braid 20 AWG	RB50785-*M 59 lbs.	C
496 AWM 2517 105°C 600 Volts	NEC ITC PLTC Open Wiring, Direct Burial CEC [CMG] AWM I/II A/B FT4	2/16 AWG BU/BN	4.5 Ohms XLPE	None	PVC Yellow 9.6 mm (.378 in)	Foil 18 AWG	RB50891-*M 64 lbs.	C
496BK AWM 2517 105°C 300 Volts	NEC ITC PLTC Open Wiring, Direct Burial CEC [CMG] AWM I/II A/B FT4	2/16 AWG BU/BN	4.5 Ohms XLPE	None	PVC Black 9.6 mm (.378 in)	Foil 18 AWG	RB51300-*M 64 lbs.	C

* Indicates length in meters.
Standard cable spool lengths are 30, 75, 100, 150, 200, 225 and 300 meters.

FOUNDATION™ fieldbus

TURCK FOUNDATION™ fieldbus Physical Media Connectivity

Cable and Cordset Selection Matrix

		minifast®				eurofast®	
		Pin (Male)		Socket (Female)		Pin (Male)	
		 1 RSV	 2 WSV	 3 RKV	 4 WKV	 7 RSCV	
 Bare		RSV 49x-*M	WSV 49x-*M	RKV 49x-*M	WKV 49x-*M	RSCV 49x-*M	
minifast	Pin (Male)	 1 RSV	RSV RSV 49x-*M	RSV WSV 49x-*M	RSV RKV 49x-*M	RSV WKV 49x-*M	RSV RSCV 49x-*M
	Pin (Male)	 2 WSV		WSV WSV 49x-*M	WSV RKV 49x-*M	WSV WKV 49x-*M	WSV RSCV 49x-*M
	Socket (Female)	 3 RKV			RKV RKV 49x-*M	RKV WKV 49x-*M	RKV RSCV 49x-*M
	Socket (Female)	 4 WKV				WKV WKV 49x-*M	WKV RSCV 49x-*M
eurofast	Pin (Male)	 7 RSCV					RSCV RSCV 49x-*M
	Pin (Male)	 8 WSCV					
	Socket (Female)	 9 RKCV					
	Socket (Female)	 10 WKCV					

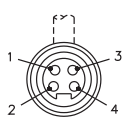
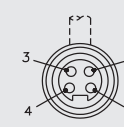
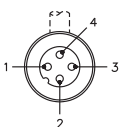
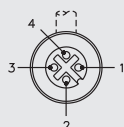
See pages N10 - N11 for dimensional drawings.

* Indicates length in meters.







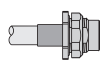
x Indicates cable type.

Standard cable lengths are 1, 2, 4, 6, 8, 10, 15...50 Meters. Consult factory for other lengths.

For stainless steel coupling nuts change part number RSM ... to RSV, WSM ... to WSV. For **eurofast armorfast®** cable RSC ... to RSA.

minifast		Pinouts	eurofast	
Male	Female		Male	Female
		1. Blue (- Voltage) 2. Brown (+ Voltage) 3. Bare (Shield Drain Wire) 4. Green/Yellow (Ground)		

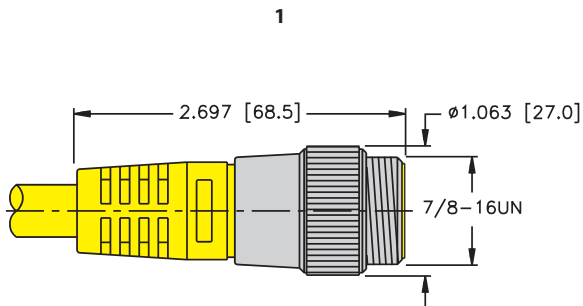
Cable and Cordset Selection Matrix

eurofast®			minifast® Bulkhead		eurofast Bulkhead	
Pin (Male)	Socket (Female)		Pin (Male)	Socket (Female)	Pin (Male)	Socket (Female)
 8 WSCV	 9 RKCV	 10 WKCV	 5 RSFPV	 6 RKFPV	 11 FSFDV	 12 FKFDV
WSCV 49x-*M	RKCV 49x-*M	WKCV 49x-*M	RSFPV 49x-*M	RKFPV 49x-*M	FSFDV 49x-*M	FKFDV 49x-*M
RSV WSCV 49x-*M	RSV RKCV 49x-*M	RSV WKCV 49x-*M	RSV RSFPV 49x-*M	RSV RKFPV 49x-*M	RSV FSFDV 49x-*M	RSV FKFDV 49x-*M
WSV WSCV 49x-*M	WSV RKCV 49x-*M	WSV WKCV 49x-*M	WSV RSFPV 49x-*M	WSV RKFPV 49x-*M	WSV FSFDV 49x-*M	WSV FKFDV 49x-*M
RKV WSCV 49x-*M	RKV RKCV 49x-*M	RKV WKCV 49x-*M	RKV RSFPV 49x-*M	RKV RKFPV 49x-*M	RKV FSFDV 49x-*M	RKV FKFDV 49x-*M
WKV WSCV 49x-*M	WKV RKCV 49x-*M	WKV WKCV 49x-*M	WKV RSFPV 49x-*M	WKV RKFPV 49x-*M	WKV FSFDV 49x-*M	WKV FKFDV 49x-*M
RSCV WSCV 49x-*M	RSCV RKCV 49x-*M	RSCV WKCV 49x-*M	RSCV RSFPV 49x-*M	RSCV RKFPV 49x-*M	RSCV FSFDV 49x-*M	RSCV FKFDV 49x-*M
WSCV WSCV 49x-*M	WSCV RKCV 49x-*M	WSCV WKCV 49x-*M	WSCV RSFPV 49x-*M	WSCV RKFPV 49x-*M	WSCV FSFDV 49x-*M	WSCV FKFDV 49x-*M
	RKCV RKCV 49x-*M	RKCV WKCV 49x-*M	RKCV RSFPV 49x-*M	RKCV RKFPV 49x-*M	RKCV FSFDV 49x-*M	RKCV FKFDV 49x-*M
		WKCV WKCV 49x-*M	WKCV RSFPV 49x-*M	WKCV RKFPV 49x-*M	WKCV FSFDV 49x-*M	WKCV FKFDV 49x-*M

Cordset and Receptacle Connector Dimensions

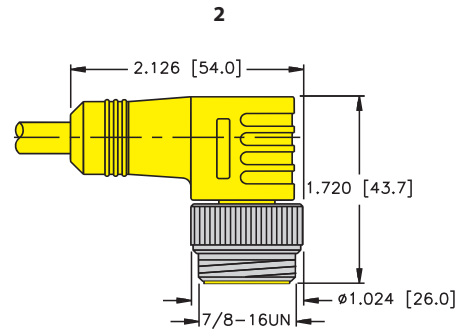
Specifications

Overmold:	TPU
Coupling Nut:	Nickel Plated CuZn or Stainless Steel
Contact Carrier:	TPU
Contacts:	Gold Plated CuZn
Protection:	NEMA 1, 3, 4, 6P and IEC IP 68
Rated Voltage:	300 V
Rated Current:	9 A
Ambient Temperature:	-40° to +105°C (-40° to +221°F)



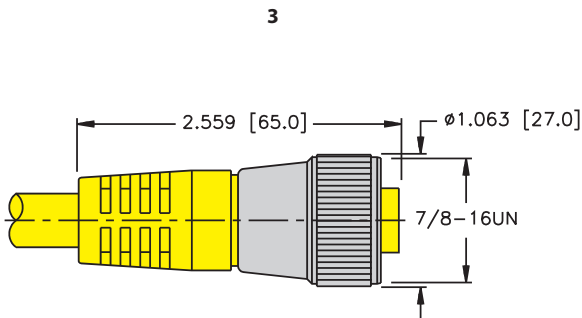
RSV ..

Page N8



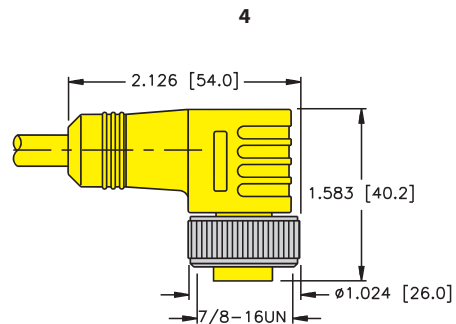
WSV ..

Page N8



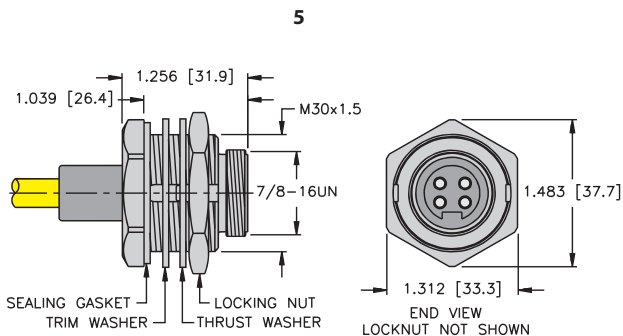
RKV ..

Page N8



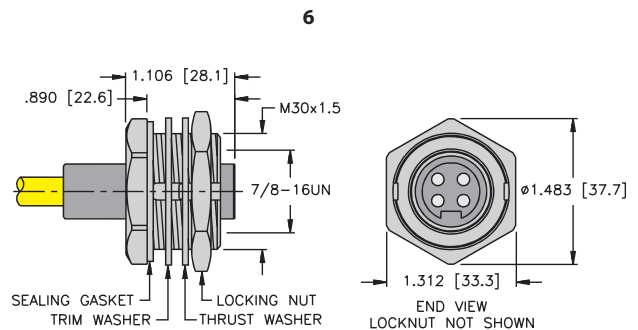
WKV ..

Page N8



RSFPV ..

Page N9



RKFPV ..

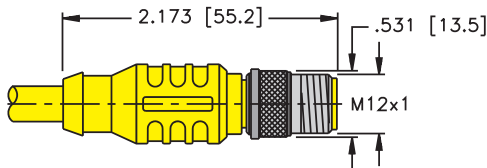
Page N9

Cordset and Receptacle Connector Dimensions

Specifications

Overmold: TPU
Coupling Nut: Nickel Plated CuZn or Stainless Steel
Contact Carrier: TPU or POM (Nylon)
Contacts: Gold Plated CuZn
Protection: NEMA 1, 3, 4, 6P and IEC IP 68
Rated Voltage: 250 V
Rated Current: 4 A
Ambient Temperature: -40° to +105°C (-40° to +221°F)

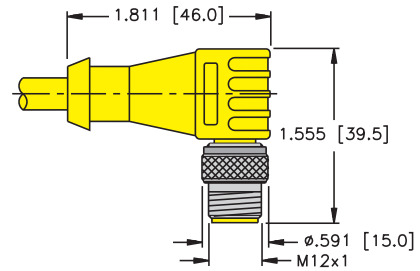
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RSCV ..

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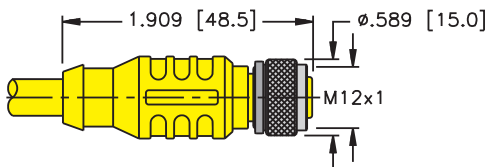
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WSCV ..

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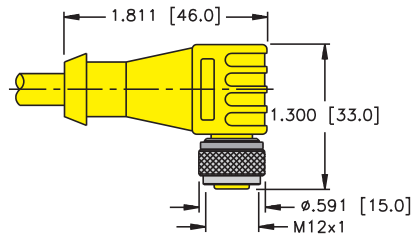
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RKCV ..

Page N8

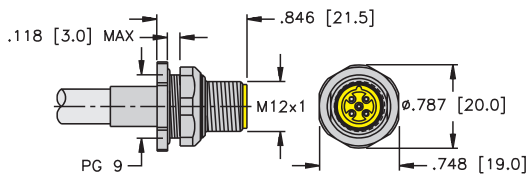
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WKCV ..

Page N8

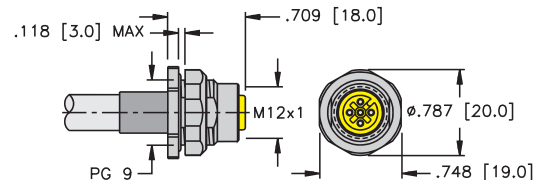
11



FSFDV ..

Page N9

12



FKFDV ..

Page N9

TURCK FOUNDATION™ fieldbus Physical Media Connectivity

euofast® Heavy Duty Cordsets

- Heavy Duty Coupling Nut Completely Supports the Molded Plug Body
- Provides Superior Strength



Housing Style	Female Part Number	Male Part Number	Features	Pinouts
<p>RKGV..</p> <p>RSGV..</p>	RKGV-49x-*M	RSGV-49x-*M	<p>TPU</p> <p>Nickel plated CuZn or stainless steel, 250 V, 4 A, -40° to +105°C, heavy coupling nut completely supports the molded plug body to provide superior strength</p>	<p>Female</p> <p>Male</p>

* Indicates length in meters.

x Indicates cable type.

For nickel plated brass coupling nut change: RSGV ... to RSG ... or RKGV ... to RKG ...

Terminating Resistors

- Terminating Resistors Stabilize and Minimize Reflections on the Bus Line
- A Terminating Resistor is Required at the Beginning and End of the Main Bus Line



Housing Style	Part Number	Features	Pinouts
	RSV 49-TR	Nickel plated brass or stainless steel, 250 V, 4 A, -40° to +75°C, male <i>minifast</i> connector	<p>Male</p>
	RSEV 49-TR	Nickel plated brass or stainless steel, 250 V, 4 A, -40° to +75°C, male <i>eurofast</i> connector	<p>Male</p>

TURCK FOUNDATION™ fieldbus Physical Media Connectivity

Feed Through Connectors

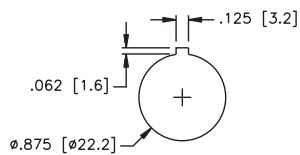
- Receptacles Provide Transition from Male to Female Connectors
- Available for Bulkhead and Feed Through Applications



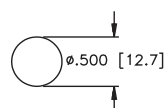
Housing Style	Part Number	Features	Pinouts
	RSFV RKFV 49/22	Nickel plated CuZn or stainless steel, 300 V, 9 A, -40° to +75°C, straight male/female feed-through, for use with minifast cordsets	<p>Male</p> <p>Female</p>
	FKV FSV 49/M12	Nickel plated CuZn or stainless steel, 250 V, 4 A, -40° to +75°C, straight male/female connector, for use with eurofast cordsets	<p>Male</p> <p>Female</p>

Standard housing material is nickel plated brass. "RSF RKF .."; "RSFV RKFV .." indicates stainless steel housing.

Panel Cutout
RSF RKF 49/22



Panel Cutout
FKM FS 49/M12



Tees

- Creates a Drop or Branch from the Main Bus Line
- *minifast*® Connectors on Bus Line
- *minifast* or *eurofast*® Connectors on Dropline



Housing Style	Part Number	Application	Wiring Diagrams
	RSV-2RKV 49	TPU, 250 V, 4 A, -40° to +75°C, data, ground, shield stainless steel coupling nuts	
	RSV FKV RKV 49	TPU, 250 V, 4 A, -40° to +75°C, data, ground, shield stainless steel coupling nuts	
	RSCV 2RKCV 49	TPU, 250 V, 4 A, -40° to +75°C, stainless steel coupling nuts	
	RSCV WKCV 49	TPU, 250 V, 4 A, -40° to +75°C, stainless steel coupling nuts	
	RSCV RKCV 49	TPU, 250 V, 4 A, -40° to +75°C, stainless steel coupling nuts	

FOUNDATION™ fieldbus

Pinouts

<i>minifast</i>		<i>eurofast</i>	
Male	Female	Male	Female

TURCK FOUNDATION™ fieldbus Physical Media Connectivity

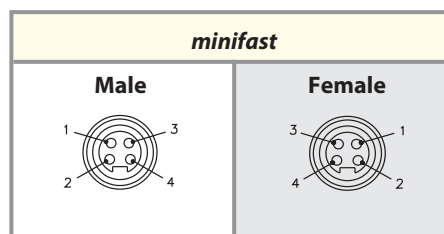
Gender Changers and Elbow Connectors

- Allows Quick and Easy Changes from Male to Female *minifast*® Connectors



Housing	Part Number	Specs	Application	Wiring Diagrams
	RSV RSV 49		<p>Male <i>minifast</i> Gender Changer</p> <ul style="list-style-type: none"> • Changes female cordset to male receptacle 	
	RKV RKV 49	TPU 250 V, 4 A -40° to +75°C	<p>Female <i>minifast</i> Gender Changer</p> <ul style="list-style-type: none"> • Changes female cordset to male receptacle 	
	WSV RKV 49		<p><i>minifast</i> Elbow</p> <ul style="list-style-type: none"> • Right angle male to female connector 	

Pinouts



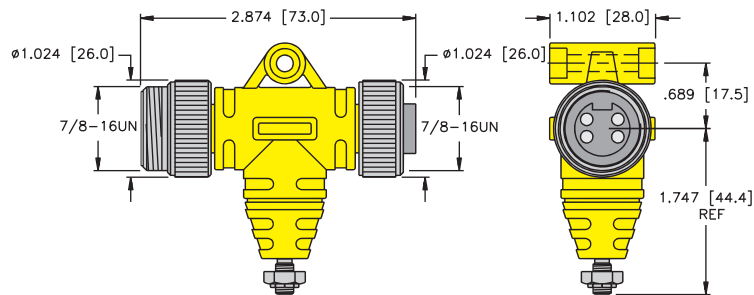
Surge Suppressor

- Protects Data Communication Lines (V+ and V-)
- Absorbs the Front End of the Transient, Responding in Less Than a Nanosecond
- Diverts the Surge Energy to Ground



Housing	Part Number	Specs	Application	Pinouts
See Drawing 1	RSV RKV 49 SS	<p>Electrical</p> <p>Contact Carrier Material Thermoplastic Polyurethane</p> <p>Mold Material/Color Thermoplastic Polyurethane/Yellow</p> <p>Contact Material/Plating Gold-Plated Brass</p> <p>Coupling Nut Material Stainless Steel</p> <p>Max. Operating Voltage 36 VDC</p> <p>Max. Operating Current 600 mA</p> <p>Max. Clamping Voltage 58 V</p> <p>Surge Current (8/20µs 5 shots). 20kA</p> <p>Temperature Rating -40° to +85°C</p> <p>Protection Class (VDE 0110 b) Meets NEMA 1,3,4,6,13</p> <p>Insulation Resistance. 40 M</p> <p>Capacitance Between V+, V- at 24 V 0.4nF</p> <p>Mechanical</p> <p>Ground stud 10-32 stainless steel</p> <p>Operating temperature -40° to +85°C</p>	Male and Female <i>minifast</i> ®, 4-pin	<p>Male</p> <p>Female</p>

1



TURCK FOUNDATION™ fieldbus Physical Media Connectivity

(7/8-16UN) minifast® Receptacles

- Provides Quick Connection to Field Devices
- Available for 1/2-14NPT, 1/2-14NPSM, 3/4-14NPT and M20 Threads



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKFV../14.5</p>	RKFV 49-*M/14.5	RSFV 49-*M/14.5	Nickel plated CuZn or stainless steel, 300 V, 9 A, -40° to +105°C, 1/2-14NPT full length threads	<p>Female</p>
<p>RSFV../14.5</p>				
<p>RKFV../14.75</p>	RKFV 49-*M/14.75	RSFV 49-*M/14.75	Nickel plated CuZn or stainless steel, 300 V, 9 A, -40° to +105°C, 3/4-14NPT full length threads	<p>Male</p>
<p>RSFV../14.75</p>				
<p>RKFV..*M20</p>	RKFV 49-*M/M20	RSFV 49-*M/M20	Nickel plated CuZn or stainless steel, 300 V, 9 A, -40° to +105°C, M20x1.5 threads	<p>Male</p>
<p>RSFV..*M20</p>				

Standard cable length is 0.5 meters. Consult factory for other lengths.
 Standard housing material is nickel plated brass housing. "RKF .."; "RKFV .." indicates 316 stainless steel.
 For locknuts to be included, add "W/LN" to the end of the part number.

(7/8-16UN) minifast® Receptacles

- Provides Quick Connection to Field Devices
- Available for 1/2-14NPT, 1/2-14NPSM, 3/4-14NPT and M20 Threads



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>RKFV..*M</p> <p>RSFV..*M</p>	RKFV 49-*M	RSFV 49-*M	Nickel plated CuZn or stainless steel, 300 V, 9 A, -40° to +105°C, 1/2-14NPSM threads	<p>Female</p>
<p>RKFV../NPT</p> <p>RSFV../NPT</p>	RKFV 49-*M/NPT	RSFV 49-*M/NPT	Nickel plated CuZn or stainless steel, 300 V, 9 A, -40° to +105°C, 1/2-14NPT modified length threads	<p>Male</p>

Standard cable length is 0.5 meters. Consult factory for other lengths.
 Standard housing material is nickel plated brass housing. "RKF .."; "RKFV .." indicates 316 stainless steel .
 For locknuts to be included, add "W/LN" to the end of the part number.

TURCK FOUNDATION™ fieldbus Physical Media Connectivity

(M12x1) eurofast® Female Receptacles

- Mounted for Quick Connection to Enclosures
- Available for 1/2-14NPT, 1/2-14NPSM, 3/4-14NPT and M20 Threads



Housing	Female Part Number	Male Part Number	Application	Pinout
<p>FKV../14.5</p>	FKV 49-*M/14.5	FSV 49-*M/14.5	Nickel plated CuZn or stainless steel, 250 V, 4 A, -40° to +105°C, 1/2-14NPT full length threads	<p>Female</p>
<p>FSV../14.5</p>				
<p>FKV../14.75</p>	FKV 49-*M/14.75	FSV 49-*M/14.75	Nickel plated CuZn or stainless steel, 250 V, 4 A, -40° to +105°C, 3/4-14NPT full length threads	<p>Male</p>
<p>FSV../14.75</p>				
<p>FKV../M20</p>	FKV 49-*M/M20	FSV 49-*M/M20	Nickel plated CuZn or stainless steel, 250 V, 4 A, -40° to +105°C, M20x1.5 Threads	<p>Male</p>
<p>24</p>				

Standard cable length is 0.5 meters. Consult factory for other lengths.

Standard housing material is stainless steel. "RKF .."; "RKFV .." indicates 316 nickel plated brass housing.

(M12x1) eurofast® Female Receptacles

- Mounted for Quick Connection to Enclosures
- Available for 1/2-14NPT, 1/2-14NPSM, 3/4-14NPT and M20 Threads



Housing	Female Part Number	Male Part Number	Features	Pinout
<p>FKV..*M</p> <p>FSV..*M</p>	FKV 49-*M	FSV 49-*M	Nickel plated CuZn or stainless steel, 250 V, 4 A, -40° to +105°C, 1/2-14NPSM threads	<p>Female</p>
<p>FKV../NPT</p> <p>FSV../NPT</p>	FKV 49-*M/NPT	FSV 49-*M/NPT	Nickel plated CuZn or stainless steel, 250 V, 4 A, -40° to +105°C, 1/2-14NPT modified length threads	<p>Male</p>

Standard cable length is 0.5 meters. Consult factory for other lengths.
 Receptacles require a 13/16" (21.0 mm) clearance hole for panel mounting.
 Standard housing material is stainless steel. "RKF .."; "RKFV .." indicates 316 nickel plated brass housing.

FOUNDATION™ fieldbus

PROFIBUS-DP Cable	P3
Part Number Key	P5
Cordsets	P7
Receptacles	P15
Field Wireables	P19

Features

- Cables that meet the requirements of EN 50170 for communication up to 12 MBAUD
- PLTC rated cable (CSA FT4)
- Oil RES II and sunlight resistant
- M12 reverse keyed connectors
- Up to 4A and 250V rated
- IP67/IP69K rated



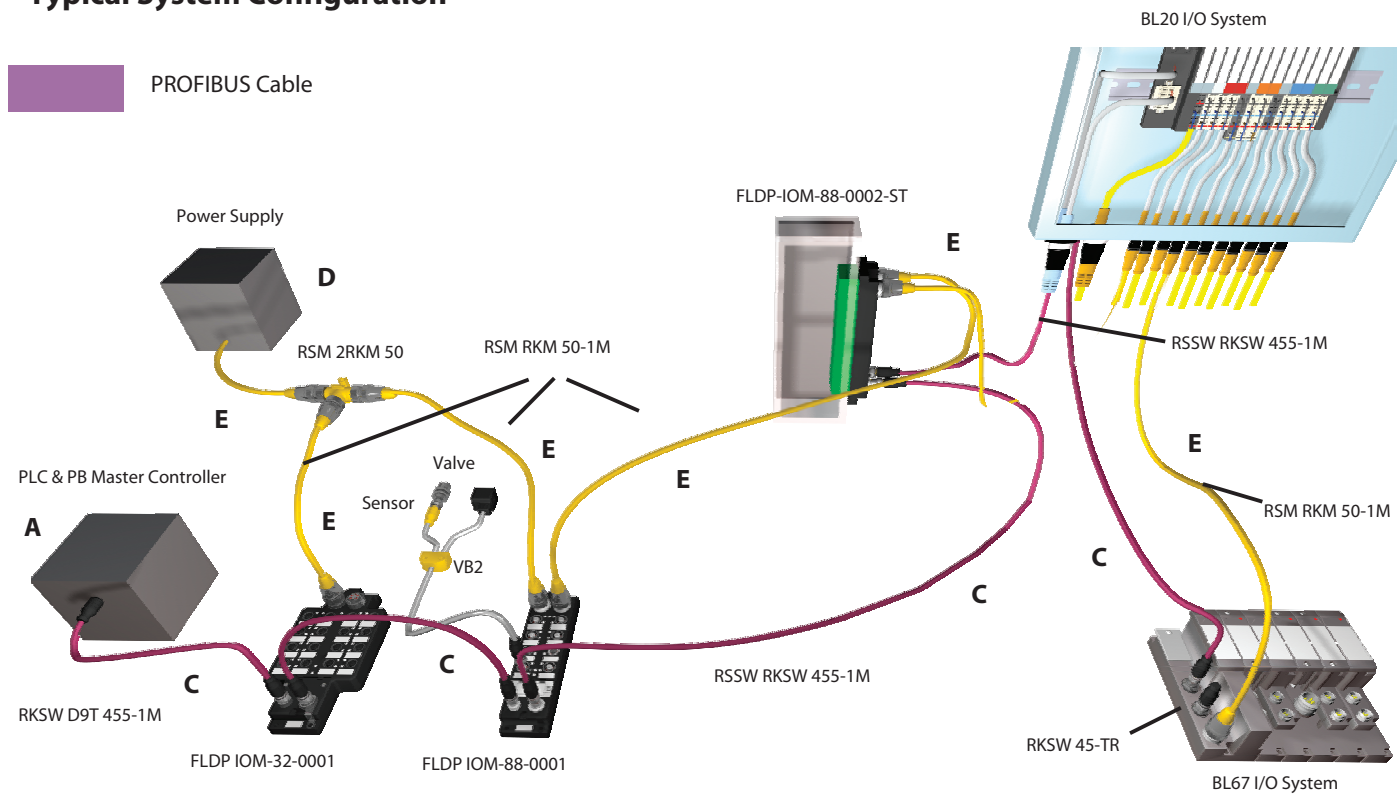
PROFIBUS®-DP System Description

PROFIBUS-DP is an industrial network protocol that connects field I/O devices in order to eliminate hard wiring. The network connection increases device-level diagnostic capabilities, while also providing high-speed communication between devices.

PROFIBUS-DP is based on the RS-485 serial data transfer standard. In most cases, the termination and physical media rules for PROFIBUS-DP are the same as those required for RS-485 communication. A PROFIBUS-DP network supports up to 126 nodes and virtually an unlimited amount of I/O. The bus uses a trunkline/dropline topology. Power and communication are provided via separate cables, allowing easy segmentation of the power structure to avoid overloading.

PROFIBUS-DP is capable of running at data rates as high as 12 Mbaud. When used at high data rates, the cable drop length from the trunk to a node is severely limited. For example, when used at 12 Mbaud, nodes must be directly connected to the trunk, with no drop length allowed.

Typical System Configuration



Basic Parts List

A typical PROFIBUS-DP system consists of the following parts:

- A - Master
- B - Slaves
- C - Communication cable
- D - Power supply
- E - Power cable

PROFIBUS-DP stations require a network master (also called a scanner) to interface the stations to the host controller. **TURCK** PROFIBUS-DP stations are designed to be fully compatible with PROFIBUS-DP equipment from other manufacturers.

Cordsets

TURCK offers a complete line of molded PROFIBUS-DP cordsets to facilitate network installation, resulting in a faster start-up and fewer wiring errors. The bus and drop cables are specially designed foil-shielded, high-flex cables with very low inductance and capacitance to minimize propagation delay time. PROFIBUS-DP cables consist of a shielded and twisted data pair with a bare drain wire.

In most cases, connections of the bus cable to the stations are made using 5-pin reverse-key **eurofast**® (M12) connectors. A variety of stations are also available that support D9 type connections. Power for most stations is provided through one or two 5-pin **minifast**® (7/8-16UN) connectors.

TURCK cordsets for the PROFIBUS-DP system are available in standard lengths. Please contact your local sales representative to order custom lengths.

Diagnostics

TURCK network stations provide increased diagnostics over using traditional hard-wired I/O systems. **TURCK** stations also serve as a buffer between I/O devices and the PROFIBUS-DP network by detecting short circuits without disrupting communication.

The PROFIBUS-DP system includes a provision for special diagnostic data messages. These messages are triggered when a fault occurs at the station (for example a short circuit on a sensor). When the master asks the station for data, the station responds and includes a flag to indicate that diagnostic data is present. The master then asks for the diagnostic data, which is mapped to a special location in the controller's memory.

Addressing

The valid range of PROFIBUS-DP node addresses is 0 to 125. **TURCK** station's addresses are usually set via rotary dials or switches on the node. Changes to the address settings take effect when the station power is cycled or when the station receives a software reset. Care must be taken to prevent the same address from being assigned to more than one node in a system. Bihl+Wiedemann PROFIBUS-DP to AS-I gateways addresses are set in software using the on-unit display.

Communication Rate/Cycle Time

PROFIBUS-DP specifications define multiple transmission speeds ranging from 9.6 kbaud to 12 Mbaud. All nodes on a network must communicate at the same rate.

The complete cycle time of a PROFIBUS-DP system is affected by several factors:

- Number of nodes being scanned
- Amount of data produced and consumed by the nodes
- Network communication rate
- Cycle time of the control program

All of these factors must be considered when calculating the cycle time of a particular network.

GSD Files

GSD files contain detailed information about a PROFIBUS-DP device, including I/O data size and the devices configurable parameters. The information in an GSD file, when used with a PROFIBUS-DP configuration tool, guides a user through the steps necessary to configure a device. GSD files are available on the **TURCK** website (www.turck.com).

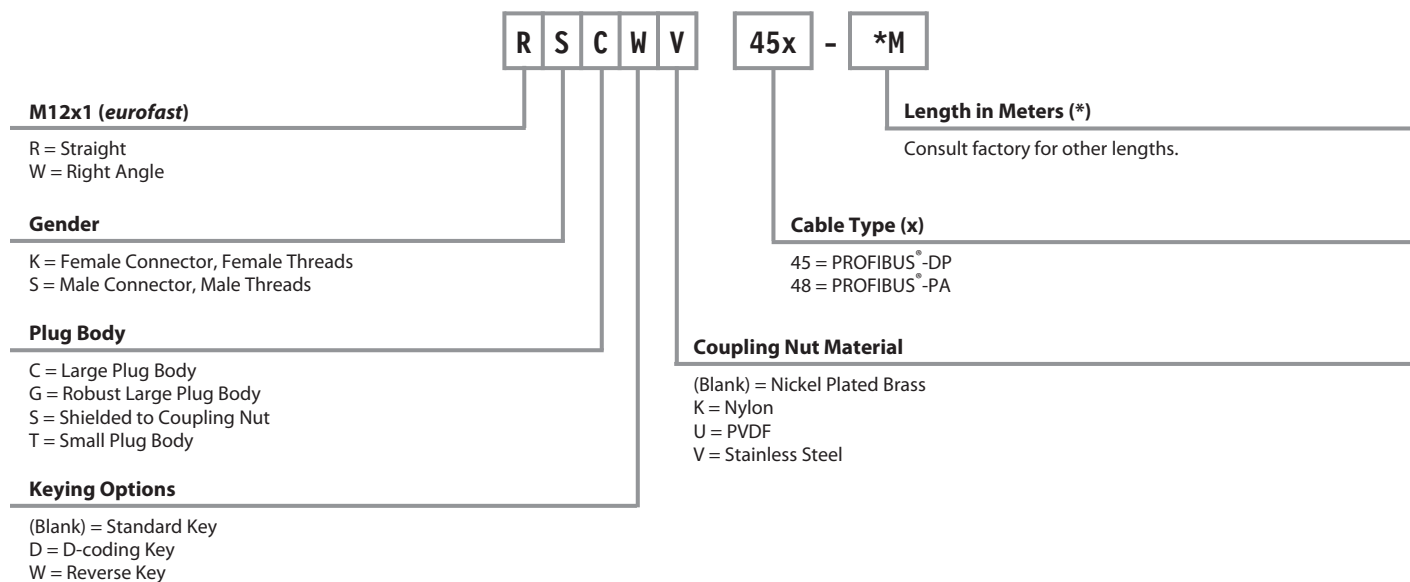
Maximum Ratings

The PROFIBUS-DP bus uses a trunkline/dropline topology. The trunk is the main communication cable and requires the appropriate RS-485 termination at both ends of the trunk. Terminating resistors are available as plug-in **eurofast**® modules or can be built into the D9 connectors. The length of the trunk depends on the communication rate. Drops or branches off the trunk are allowed, but are greatly limited as the communication rate increases. The table shows the maximum ratings for a trunk at different communication rates.

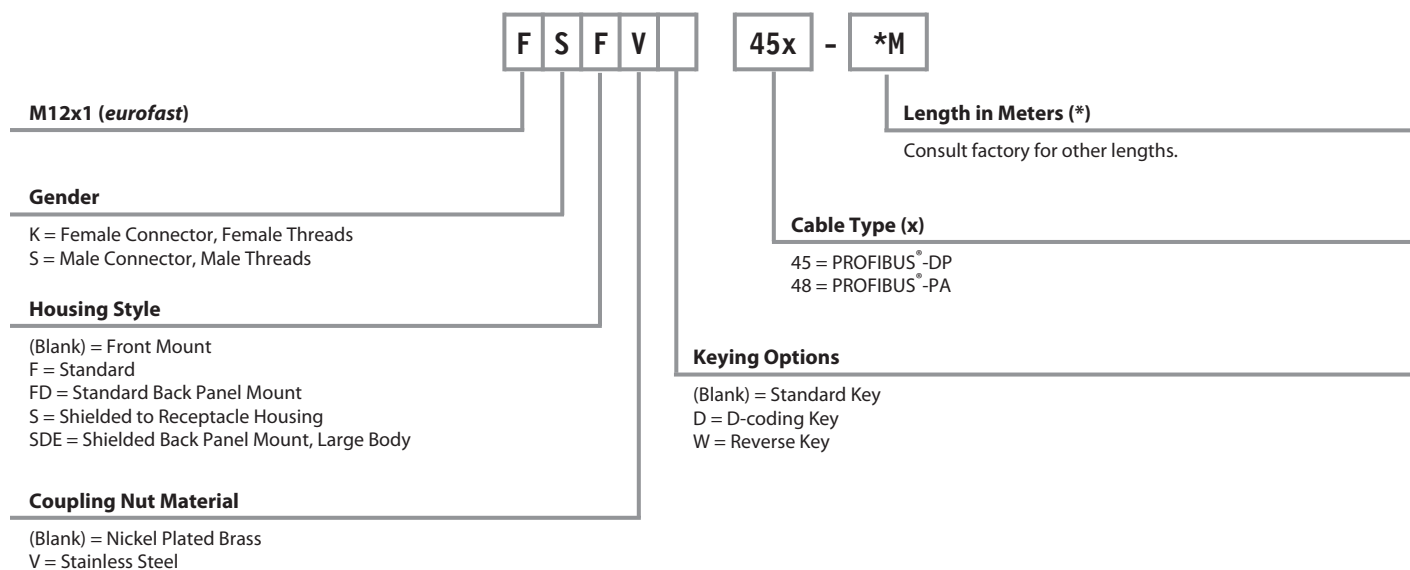
Communication Rate	Max. Segment Length
9.6 kbps	1200 m
19.2 kbps	1200 m
93.75 kbps	1200 m
187.5 kbps	1000 m
500 kbps	400 m
1.5 Mbps	200 m
12 Mbps	100 m

euromast® Cordset Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



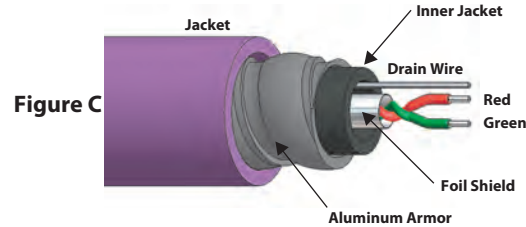
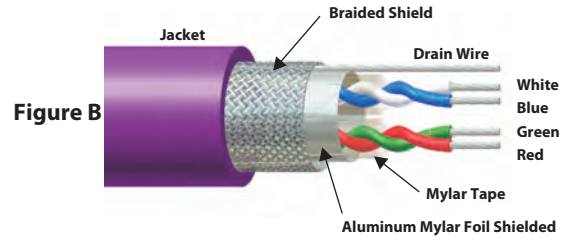
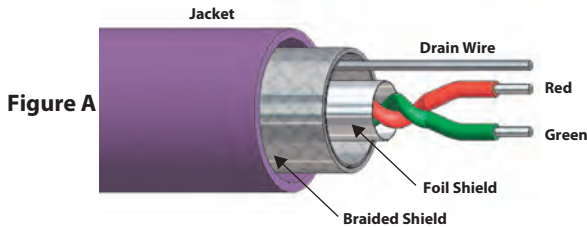
euromast Receptacle Part Number Key



TURCK PROFIBUS®-DP Physical Media Connectivity

PROFIBUS®-DP, Cable Specifications

- Cable that Meets the Requirements of EN50170-2-2:1996 for Communications Up to 12 Mbaud



Baud Rate (k baud)	9.6	19.2	93.75	187.5	500	1500	1200
Maximum Trunk Length	1200 meters	1200 meters	1200 meters	1000 meters	400 meters	200 meters	100 meters

Type	Approvals	Data Pair		2nd Data Pair		Outer Jacket	Shields	Bulk Cable Part Number / Weight/300 M	Figure
		AWG Color Code	DCR (/1000 feet) Insulation	AWG Color Code	DCR (/1000 feet) Insulation	Material Color Nominal O.D.	Type Drain Wire		
455 AWM 2464 75°C 300 Volts	NEC PLTC CEC AWM-I/II A/B FT4	2/22 AWG RD/GN	16.5 Ohms PE	None	N/A	PVC Purple 8.5 mm (.335 in)	Foil/Braid 22 AWG	RB50672-*M 62 lbs.	A
456 AWM 20233 80°C 300 Volts	NEC AWM CEC AWM-I/II A/B FT4	2/22 AWG RD/GN	16.5 Ohms PE	None	N/A	TPU Purple 7.9 mm (.310 in)	Foil/Braid 22 AWG	RB50683-*M 48 lbs.	A
457 75°C 300 Volts	NEC CMX	2/22 AWG RD/GN solid	16.5 Ohms PE	None	N/A	TPU Purple 8.0 mm (0.315 in)	Foil/Braid No Drain	RB50708-*M 51 lbs.	A
458 AWM 20233 80°C 300 Volts	NEC AWM CEC AWM-I/II A/B FT4	2/22 AWG RD/GN	16.5 Ohms PE	None	N/A	TPU Plum 8.5 mm (0.335 in)	Foil/Braid 22 AWG	RB50692-*M 58 lbs. flexlife-10 [®]	A
4511 AWM 2464 75°C 300 Volts	NEC PLTC CEC AWM-I/II A/B FT4	2/22 AWG RD/GN	16.5 Ohms PE	None	N/A	PVC Purple 8.5 mm (.319 in)	Foil/Braid 22 AWG	RB50881-*M 64 lbs. flexlife-10	A
4510A 75°C 300 Volts	NEC PLTC CEC CM-CMG HL ABCD	2/22 AWG RD/GN	16.5 Ohms PE	None	N/A	Aluminum Armor/PVC 15.4 mm (.605 in)	Foil/Braid 22 AWG	RB50875-*M 112 lbs. armorfast [®]	C
4515 80°C 300 Volts	IEC-60332-3 IEC-60754-1 EN 50267-2-2	2/22 AWG RD/GN	16.5 Ohms PE	None	N/A	TPU Purple 7.5 mm (0.295 in)	Foil/Braid 22 AWG	RB51225-*M 42 lbs. Halogen-Free ††	A
4516 105° 300 Volt	NEC PLTC/ISO Open Wiring CEC CMG	2/22 AWG RD/GN	16.5 Ohms PE	None	N/A	PVC Purple 11.1 mm (.435 in)	Foil/Braid 22 AWG	RB51259-*M 93 lbs.	A
590 AWM 2464 75°C 300 Volts	NEC PLTC CEC AWM-I/II A/B FT4	2/22 AWG RD/GN	16.5 Ohms PE	2/22 AWG BU/WH	16.5 Ohms PE	PVC Purple 9.6 mm (.380 in)	Foil/Braid 22 AWG	RB51057-*M 75 lbs.	B

* Indicates length in meters.

Standard spool lengths are 30, 75, 100, 150, 200, 225, 300 meters. Consult factory for other lengths.

†† Zero Halogen: to DIN VDE 0472 part 815 + IEC 60754-1

		eurofast					
		Pin (Male)			Socket (Female)		
		 5 RSAW	 1 RSSW	 2 WSSW	 6 RKAW	 3 RKSW	 4 WKSW
		RSAW 45x-*M	RSSW 45x-*M	WSSW 45x-*M	RKAW 45x-*M	RKSW 45x-*M	WKSW 45x-*M
 Bare		RSAW 45x-*M	RSSW 45x-*M	WSSW 45x-*M	RKAW 45x-*M	RKSW 45x-*M	WKSW 45x-*M
 5 RSAW		RSAW RSAW 45x-*M			RSAW RKAW 45x-*M		
eurofast	 1 RSSW		RSSW RSSW 45x-*M	RSSW WSSW 45x-*M		RSSW RKSW 45x-*M	RSSW WKSW 45x-*M
	 2 WSSW			WSSW WSSW 45x-*M		WSSW RKSW 45x-*M	WSSW WKSW 45x-*M
	 6 RKAW				RKAW RKAW 45x-*M		
	 3 RKSW					RKSW RKSW 45x-*M	RKSW WKSW 45x-*M
	 4 WKSW						WKSW WKSW 45x-*M

See page P8 for dimensional drawings.

* Indicates length in meters.

x Indicates cable type.

Standard cable lengths are 1, 2, 4, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.

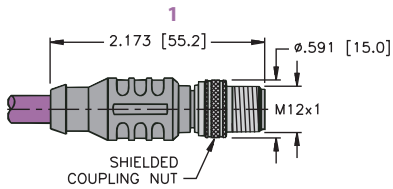
For stainless steel coupling nuts change part number RSSW...RSSWV.

Pinouts

eurofast	45 series pinout	59 series pinout	eurofast
Male 	1. N/C 2. Green (TxD) 3. N/C 4. Red (RxD) 5. Bare (Shield Drain Wire)	1. Blue (TxD_1) 2. Green (TxD) 3. White (RxD_1) 4. Red (RxD) 5. Bare (Shield Drain Wire)	Female

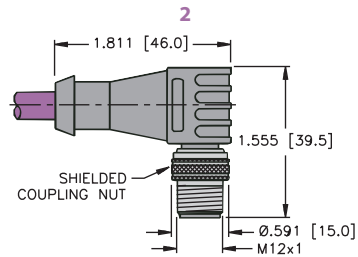
Specifications

Overmold:	TPU
Coupling Nut:	Nickel Plated CuZn or Stainless Steel
Contact Carrier:	TPU or POM (Nylon)
Contacts:	Gold Plated CuZn
Protection:	NEMA 1, 3, 4, 6P and IEC IP 68
Rated Voltage:	250 V
Rated Current:	4 A
Ambient Temperature:	-40° to +75°C (-22° to +167°F)



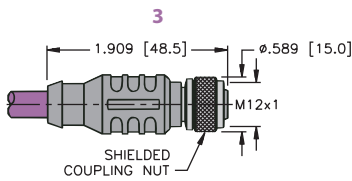
RSSW ..

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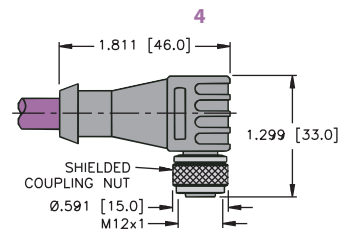
WSSW ..

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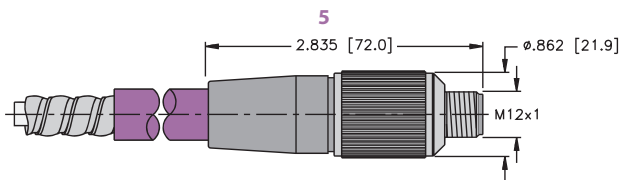
RKSU ..

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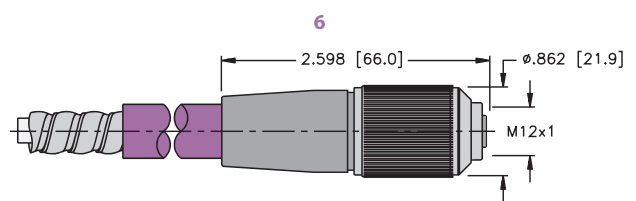
WKSU ..

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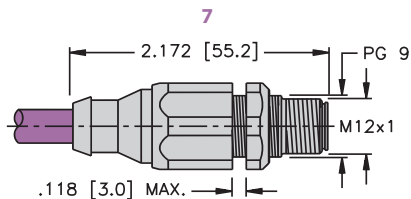
RSAW ..

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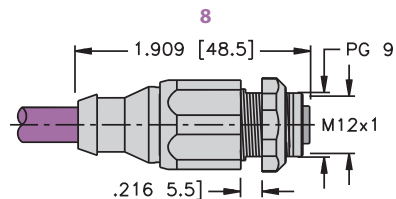
RKAW ..

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FSSDWE ..

Page P9



FKSDWE ..

Page P9

		eurofast							
		Pin (Male)		Socket (Female)		Pin (Male)	Socket (Female)		
		1	2	3	4	7	8		
		Bare	RSSW	WSSW	RKSW	WKSW	FSSDWE	FKSDWE	
9-Pin Sub D Connector	Terminator	D9S/T	D9S/T 45x-*M	RSSW D9S/T 45x-*M	WSSW D9S/T 45x-*M	RKSW D9S/T 45x-*M	WKSW D9S/T 45x-*M	FSSDWE D9S/T 45x-*M	FKSDWE D9S/T 45x-*M
	Master	D9SM/T	D9SM/T 45x-*M	RSSW D9SM/T 45x-*M	WSSW D9SM/T 45x-*M	RKSW D9SM/T 45x-*M	WKSW D9SM/T 45x-*M	FSSDWE D9SM/T 45x-*M	FKSDWE D9SM/T 45x-*M
		SD9S/T	SD9S/T 45x-*M	RSSW SD9S/T 45x-*M	WSSW SD9S/T 45x-*M	RKSW SD9S/T 45x-*M	WKSW SD9S/T 45x-*M	FSSDWE SD9S/T 45x-*M	FKSDWE SD9S/T 45x-*M

See page P8 and P11 for dimensional drawings.

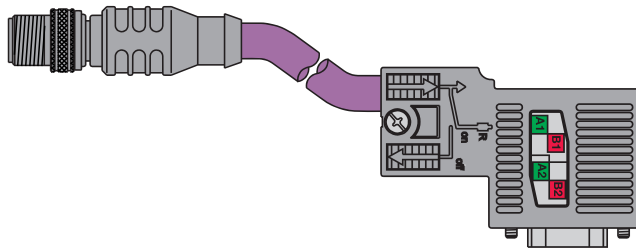
* Indicates length in meters.

x Indicates cable type.

Standard cable lengths are 1, 2, 4, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.

For stainless steel coupling nuts change part number RSSW...RSSWV.

Extension Example:










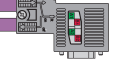
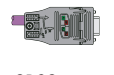
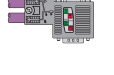
RSSW D9S/T 455-0.3M

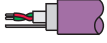
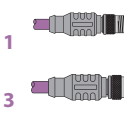
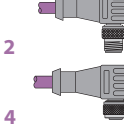
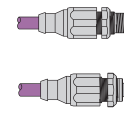
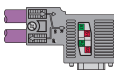
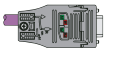
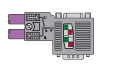
Pinouts

eurofast	45 series pinout	eurofast	D9	D9 pinout
<p>Male</p>	<p>1. N/C 2. Green (TxD) 3. N/C 4. Red (RxD) 5. Bare (Shield Drain Wire)</p>	<p>Female</p>	<p>Male</p>	<p>1 = N/C 2 = N/C 3 = RD (RXD) 4 = N/C 5 = N/C 6 = N/C 7 = N/C 8 = GN (TXD) 9 = N/C</p>

TURCK PROFIBUS® –DP Physical Media Connectivity

PROFIBUS® -DP, (M12x1) eurofast® Cable and Cordset Selection Matrix

		eurofast						
		Pin (Male)		Socket (Female)		Pin (Male)	Socket (Female)	
								
		Bare	1 RSSW	2 WSSW	3 RКСW	4 WКСW	7 FSSDWE	8 FKSDWE
Node	 10 D9S	D9S 45x-*M	RSSW D9S RSSW 45x-*M-*M	WSSW D9S WSSW 45x-*M-*M	RКСW D9S RКСW 45x-*M-*M	WКСW D9S WКСW 45x-*M-*M	FSSDWE D9S FSSDWE 45x-*M-*M	FKSDWE D9S FKSDWE 45x-*M-*M
	 11 SD9S	SD9S 45x-*M	RSSW SD9S RSSW 45x-*M-*M	WSSW SD9S WSSW 45x-*M-*M	RКСW SD9S RКСW 45x-*M-*M	WКСW SD9S WКСW 45x-*M-*M	FSSDWE SD9S FSSDWE 45x-*M-*M	FKSDWE SD9S FKSDWE 45x-*M-*M
	 12 D9SM	D9SM 45x-*M	RSSW D9SM RSSW 45x-*M	WSSW D9SM WSSW 45x-*M-*M	RКСW D9SM RКСW 45x-*M-*M	WКСW D9SM WКСW 45x-*M-*M	FSSDWE D9SM FSSDWE 45x-*M-*M	FKSDWE D9S FKSDWE 45x-*M-*M

		eurofast			
		Pin (Male)		Socket (Female)	
					
		Bare	1 RSSW/RКСW	2 WSSW/WКСW	7 FSSDWE/FKSDWE
Node	 10 D9S	D9S 45x-*M	RSSW D9S RКСW 45x-*M-*M	WSSW D9S WКСW 45x-*M-*M	FSSDWE D9S FKSDWE 45x-*M-*M
	 11 SD9S	SD9S 45x-*M	RSSW SD9S RКСW 45x-*M-*M	WSSW SD9S WКСW 45x-*M-*M	FSSDWE SD9S FKSDWE 45x-*M-*M
	 12 D9SM	D9SM 45x-*M	RSSW D9SM RКСW 45x-*M-*M	WSSW D9SM WКСW 45x-*M-*M	FSSDWE D9SM FKSDWE 45x-*M-*M

See page P8 and P11-P12 for dimensional drawings.

* Indicates length in meters.

x Indicates cable type.

Standard cable lengths are 1, 2, 4, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.

For stainless steel coupling nuts change part number RSSW...RSSWV.

See previous page for pinouts.

PROFIBUS®-DP, Field Wireable D9 Connectors

- Provides Connection to Master or Node in the field
- Maximum Cable O.D. is 8.5 mm

Housing Style	Part Number	Features	Pinouts
	Connector, PDP, D9S	-25° to +80°C, right angle, terminating switch	<p>1. N/C 2. N/C 3. RED (Bus_B) 4. N/C 5. N/C 6. N/C 7. N/C 8. Green (Bus_A) 9. N/C</p> <p style="text-align: center;">Male</p>
	Connector, PDP, SD9S	-25° to +80°C, straight, terminating switch	
	Connector, PDP, D9SM	-25° to +80°C, right angle, master, terminating switch	

TURCK PROFIBUS®-DP Physical Media Connectivity

PROFIBUS®-DP, Field Wireable D9 Connectors

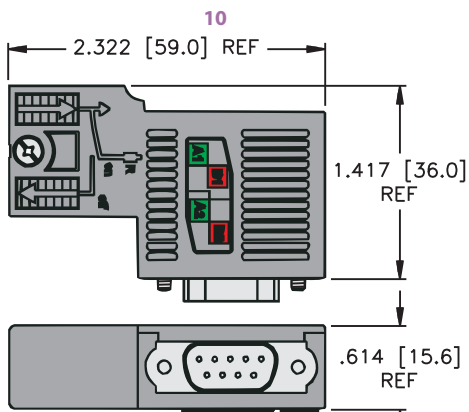
Specifications - (D9)

Terminating Switch:	Yes
Protection:	IEC IP 20
Rated Voltage:	4.75-5.25 VDC
Rated Current:	5 mA
Temperature Rating:	-25° to +60°C

*Max. Cable diameter: 8.5 mm

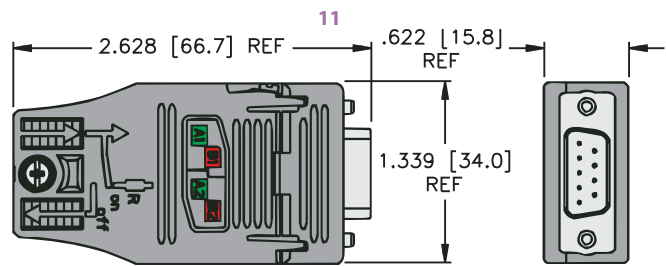
Specifications (FKSDWE .. FSPDWE)

Overmold:	TPU
Coupling Nut:	Nickel Plated CuZn or Stainless Steel
Contact Carrier:	TPU or POM (Nylon)
Contacts:	Gold Plated CuZn
Protection:	NEMA 1, 3, 4, 6P and IEC IP 67
Rated Voltage:	250 V
Rated Current:	4 A
Temperature Rating:	-40° to +75°C



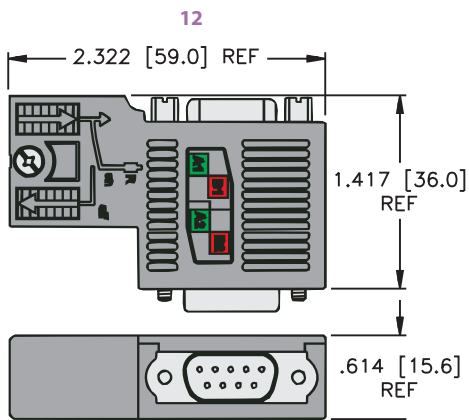
Connector, PDP, D9S

Page P10



Connector, PDP, SD9S

Page P10



Connector, PDP, D9SM

Page P10

Note: Part numbers are for ordering connector only.
Cable must be ordered separately.

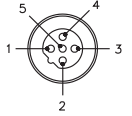
TURCK PROFIBUS®-DP Physical Media Connectivity

PROFIBUS®-DP (M12x1), eurofast® Retractable Cordsets



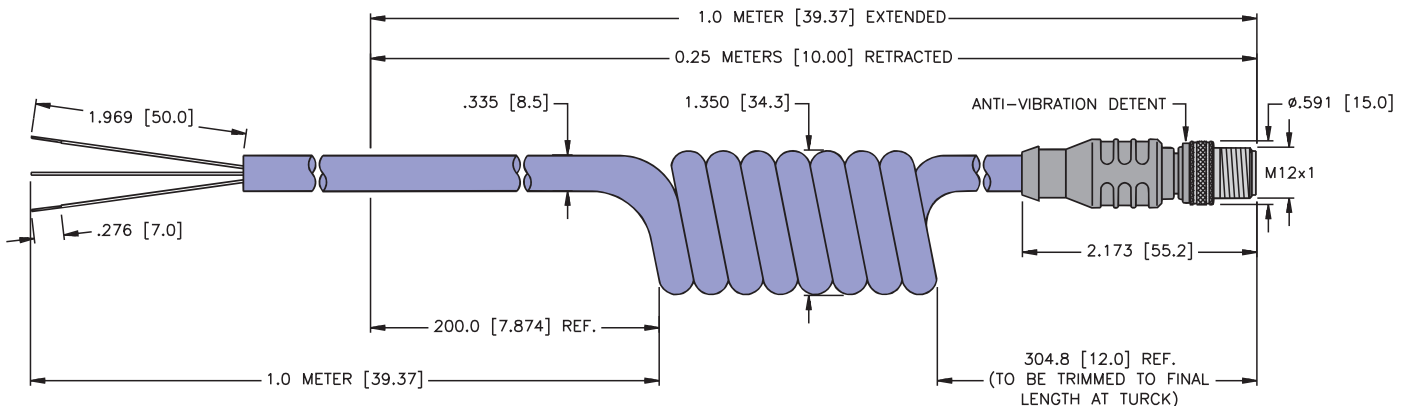
- Single or Double Ended
- Available in 1, 2, 5 Meter Extended Lengths



Part Number	Features	Pinouts
RSSW 456SP-1M	TPU , 250 V, 4 A, -40° to +80°C, (M12x1) eurofast male connector, 1 M extended length, .25 M retracted length	<ol style="list-style-type: none"> 1. NC 2. GN 3. NC 4. RD 5. Drain 

Single ended cordset part numbers shown. Also available in double ended (M12x1) eurofast connectors. Different lengths available upon request.

PROFIBUS®-DP Connectivity



TURCK PROFIBUS®-DP Physical Media Connectivity

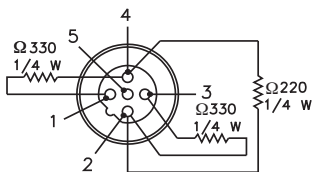
PROFIBUS®-DP, Terminating Resistors

- Terminating Resistors Stabilize and Minimize Reflections on the Bus Line
- A Terminating Resistor is Required at the Beginning and End of the Main Bus Line



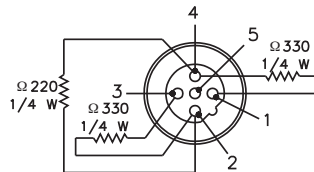
Housing Style	Part Number	Features	Pinouts
	RSSW 45-TR	Nickel plated brass, 250 V, 4 A, -40° to +75°C, internal resistor, male eurofast connector, reverse keyed	<ol style="list-style-type: none"> 1. N/C 2. GN 3. N/C 4. RD 5. BARE <p>See Below</p>
	RKSX 45-TR	Nickel plated brass, 250 V, 4 A, -40° to +75°C, internal resistor, female eurofast connector, reverse keyed	<ol style="list-style-type: none"> 1. N/C 2. GN 3. N/C 4. RD 5. BARE <p>See Below</p>
	PDP-TRA	Nickel plated brass, 250 V, 4 A, -40° to +75°C, active terminating resistor, external power supply minifast ® and eurofast connector, LED signal for power status	<ol style="list-style-type: none"> 1. N/C 2. BUS_A 3. N/C 4. BUS_B 5. N/C <p>See Below</p> <p>Male</p>

Pinout Diagram, RSSW 45-TR



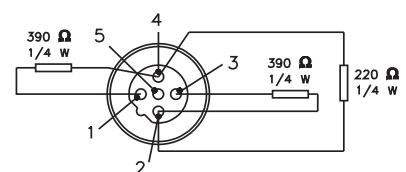
eurofast Male Connector

Pinout Diagram, RKSX 45-TR



eurofast Female Connector

Pinout Diagram, PDP-TRA



eurofast Male Connector

TURCK PROFIBUS®-DP Physical Media Connectivity

PROFIBUS®-DP, Circuit Board Connectors and OEM Receptacles



- Provides (M12x1) *eurofast*® Connection to Field Devices

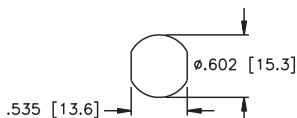


Housing	Female Part Number	Male Part Number	Application	Pinouts
<p>FKFDW 45..</p> <p>FSFDW 45..</p>	FKFDW 45-PCB	FSFDW 45-PCB	Nickel plated CuZn or stainless Steel, 250 V, 4 A, -40° to +75°C, male <i>eurofast</i> PCB pins	<p>Female</p>
<p>FKFDLW 45..</p> <p>FSFDLW 45..</p>	FKFDLW 45	FSFDLW 45	Nickel plated CuZn or stainless Steel, 250 V, 4 A, -40° to +75°C, male <i>eurofast</i> solder cups	
<p>WFSW 45..</p>		WFSW 45-PCB	Nickel plated CuZn or stainless Steel, 250 V, 4 A, -40° to +75°C, male <i>eurofast</i> right angle PCB pins	<p>Male</p>

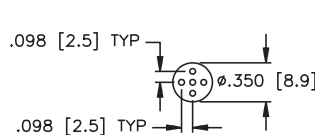
PROFIBUS®-DP Connectivity

Standard housing material is nickel plated brass "FKFD .."; "FKFDV .." indicates 316 stainless steel.

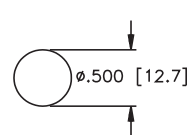
Panel Cutout
FKFD ... FSFD



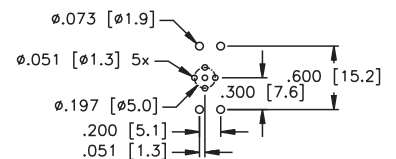
Board Layout (reference only)
FKFD ... FSFD



Panel Cutout
WFS



Board Layout (reference only)
WFS



TURCK PROFIBUS® –DP Physical Media Connectivity

PROFIBUS® -DP, Circuit Board Connectors and OEM Receptacles

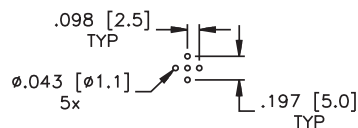
- Provides (M12x1) *eurofast*® Connection to Field Devices



Housing	Female Part Number	Male Part Number	Application	Pinouts
<p>FKW 45 PCB KIT</p> <p>FSW 45 PCB KIT</p>	FKW 45-PCB KIT	FSW 45-PCB KIT	Nickel plated CuZn or stainless steel, 250 V, 4 A, -30° to +75°C, male <i>eurofast</i> with mounting kit, Reverse key	<p>Female</p>
<p>FK 45 PCB</p> <p>FSW 45 PCB</p>	FK 45-PCB	FSW 45-PCB		<p>1. N/C 2. GN 3. N/C 4. RD 5. BARE</p> <p>Male</p>

Standard housing material is nickel plated brass "FKFD .."; "FKFDV .." indicates 316 stainless steel.

Board Layout (reference only) FK ... FS



PROFIBUS®-DP, *euofast*® Feed Through Receptacle

- Provides Bulkhead Panel Mount Connection



Housing Style	Part Number	Features	Pinouts
<p>Technical drawing showing dimensions: 1.877 [47.7] (total length), 1.157 [29.4] (thread length). Components include LOCKNUT LN-M12 and LOCKWASHER LW-M12. Thread specifications are M12x1.</p>	FKW FSW 45/M12	Nickel plated brass or stainless steel, 250 V, 4 A, -40° to +75°C, straight male/female connector, for pre-molded reverse keyed <i>euofast</i> cables	<p>Two circular diagrams showing pin configurations. The top diagram shows pins 1, 2, 3, 4, 5 in a clockwise arrangement starting from the top. The bottom diagram shows pins 4, 5, 1, 2, 3 in a clockwise arrangement starting from the top.</p>

For stainless steel change part number to FKVV FSWV 45/M12

TURCK PROFIBUS®-DP Physical Media Connectivity

PROFIBUS®-DP, *euofast*® Bus Tees

- Creates a Branch from the Main Bus Line

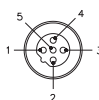


Housing Style	Part Number	Features	Wiring Diagrams
	RКСW 2RSSW 45	TPU, Nickel plated brass, 250 V, 4 A, -40° to +75°C, male <i>euofast</i> drop connector, fully shielded <i>euofast</i> tee, passive termination	
	* RКСW 2RSSW 45-0001	TPU, Nickel plated brass, 250 V, 4 A, -40° to +75°C, Male <i>euofast</i> connector, fully shielded <i>euofast</i> tee	
	VB2/FSW/FKW/FSW 45	TPU, Nickel plated brass, 250 V, 4 A, -40° to +75°C, Y Junction, fully shielded <i>euofast</i> connectors	
	YB22-FSW/FKW/FSW 45	TPU, Nickel plated brass, 250 V, 4 A, -40° to +75°C	
	YB22-FKM/FKW/FSW 45	TPU, Nickel plated brass, 250 V, 4 A, -40° to +75°C	

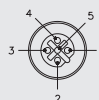
Pinouts

euofast

Male



Female



TURCK PROFIBUS®-DP Physical Media Connectivity



PROFIBUS®-DP, eurofast® Field Wireable Connectors with Labels

- Allows for Quick Connection when Pre-Molded Cables not Available
- Available for Male and Female Connectors
- Color Coded Wire Connection for PROFIBUS-DP



Housing Style	Female Part Number	Male Part Number	Features	Pinouts
<p>BMWS 81..</p> <p>BMSWS 81..</p>	BMWS 8151-8.5/PDP	BMSWS 8151-8.5/PDP	Nickel plated brass, PG 9 cable gland, accepts 4-9 mm cable diameter, screw terminals, accepts up to 18 AWG conductors 85°C, 125 V, 4 A, mates with reverse key, 5-pin cordsets and receptacles, metal, fully shielded	<p>Female</p>
<p>BMWS 82..</p> <p>BMSWS 82..</p>				BMWS 8251-8.5/PDP

PROFIBUS® – DP Connectivity

Notes:

Cordsets	P24
Receptacles	P21
Terminating resistors	P28
Tees	P30
Field Wireables	P34

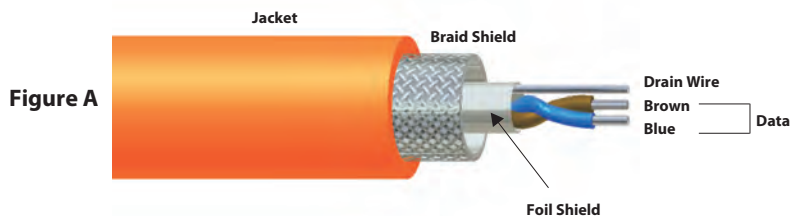
Features

- Cable that meets the requirements of ISA/SP 50 and PROFIBUS-PA requirements for Type A Cable
- All cables are rated -40° to +105° and are sunlight resistant
- Available in 3-wire versions with a device ground or 2-wire versions
- PLTC and ITC listed (CSA FTA)
- Exposed Run (ER) and Direct Burial listed
- IP67 Rated



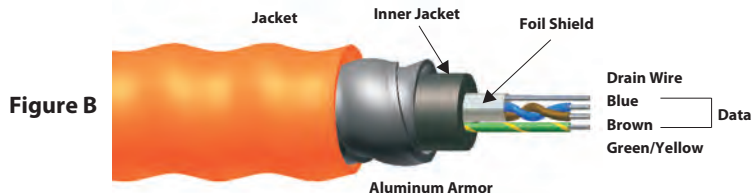
PROFIBUS®-PA, Cable Specifications

- Cable that Meets the Requirements of ISA/SP50 and PROFIBUS-PA Requirements for Type A Cable
- All Cables are Rated -40° to +105°C and are Sunlight Resistant
- Available in 3-wire Versions with a Device Ground or 2-wire Versions



Type A Cable Specifications

- Temperature range: -40 to +105°C
- UV Resistant
- PLTC and ITC Listed (CSA FT4)
- Exposed Run (ER) and Direct Buried (DB) Listed
- Maximum Attenuation at 1.25 f_r (39 kHz) = 3.0 dB/km
- Characteristic Impedance 100 ± 10 @ 31.25 KHz
- Capacitance: 20 pF/Ft nominal
- Inductance: 0.22 H/Ft. nominal
- Conductor Cross-sectional area (wire size) = nominal 0.75 mm² (#18 AWG) or 1.5 mm² (#16 AWG)
- Shield Coverage =100 %



Type	Approvals	Data Pair		Device Ground	Outer Jacket	Shields	Bulk Cable Part Number / Weight/300 M	Figure
		AWG Color Code	DCR (/1000 feet) Insulation	AWG Color Code	Material Color Nominal O.D.	Type Drain Wire		
483 105°C 300 Volts	NEC/UL ITC PLTC Exposed Run, Direct Burial, CEC/CSA [CMG] HLABCD	2/18 AWG BU/BN	7.06 Ohms XLPE	None	PVC Orange 7.9 mm (.310 in)	Foil/Braid 20 AWG	RB50785-*M 59 lbs.	A
483B 105°C 300 Volts	NEC ITC PLTC Open Wiring, Direct Burial CEC [CMG] AWM I/II A/B FT4	2/18 AWG BU/BN	7.06 Ohms XLPE	None	PVC Blue 7.9 mm (.310 in)	Foil/Braid 20 AWG	RB50786-*M 59 lbs.	A
482A 105°C 300 Volts	NEC/UL ITC PLTC Exposed Run, Direct Burial, CEC/CSA [CMG] HLABCD	2/18 AWG BU/BN	7.06 Ohms PVC	18 AWG GN/YE	Armor/PVC Orange 14.9 mm (0.585 in)	Foil 20 AWG	RB50929-*M 96 lbs.	B
482BA 105°C 300 Volts	NEC ITC PLTC CEC [CMG]	2/18 AWG BU/BN	7.06 Ohms PE	18 AWG GN/YE	Armor/PVC Blue 14.9 mm (0.585 in)	Foil 20 AWG	RB50803-*M 96 lbs.	B
483BK 105°C 300 Volts	NEC/UL ITC PLTC Exposed Run, Direct Burial, CEC/CSA [CMG] HLABCD	2/18 AWG BU/BN	7.06 Ohms PE	None	PVC Black 7.9 mm (.310 in)	Foil/Braid 20 AWG	RB50860-*M 59 lbs.	A

* Indicates length in meters.

Standard spool lengths are 30, 75, 100, 150, 200, 225, 300 meters. Consult factory for other lengths.

TURCK PROFIBUS® –PA Physical Media Connectivity

PROFIBUS® -PA, Cable and Cordset Selection Matrix

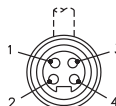
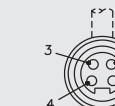
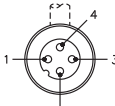
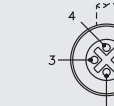
		<i>minifast</i> [*]				<i>eurofast</i> [*]
		Pin (Male)		Socket (Female)		Pin (Male)
		1  RSV	3  WSV	2  RKV	4  WKV	7  RSCV
 Bare		RSV 48x-*M	WSV 48x-*M	RKV 48x-*M	WKV 48x-*M	RSCV 48x-*M
<i>minifast</i>	1  RSV	RSV RSV 48x-*M	RSV WSV 48x-*M	RSV RKV 48x-*M	RSV WKV 48x-*M	RSV RSCV 48x-*M
	3  WSV		WSV WSV 48x-*M	WSV RKV 48x-*M	WSV WKV 48x-*M	WSV RSCV 48x-*M
	2  RKV			RKV RKV 48x-*M	RKV WKV 48x-*M	RKV RSCV 48x-*M
	4  WKV				WKV WKV 48x-*M	WKV RSCV 48x-*M
<i>eurofast</i>	7  RSCV					RSCV RSCV 48x-*M
	9  WSCV					
	8  RKCVC					
	10  WKCVC					

See pages P26 - P27 for dimensional drawings.

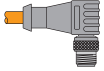
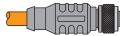
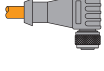
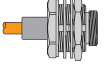
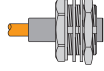

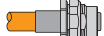
* Indicates length in meters.

x Indicates cable type.

Standard cable lengths are 1, 2, 4, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.

<i>minifast</i>		Pinouts	<i>eurofast</i>	
Male	Female	1. Brown (+ Voltage) 2. N/C 3. Blue (- Voltage) 4. Bare (Shield Drain Wire)	Male	Female
				

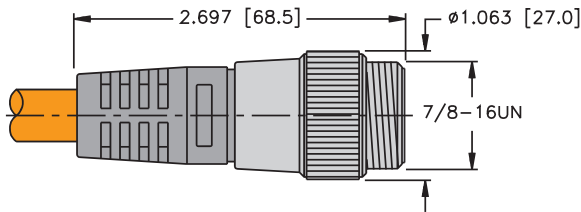
PROFIBUS®-PA, Cable and Cordset Selection Matrix

eurofast®			minifast® Bulkhead		eurofast Bulkhead	
Pin (Male)	Socket (Female)		Pin (Male)	Socket (Female)	Pin (Male)	Socket (Female)
9  WSCV	8  RKCX	10  WKCX	5  RSFPV	6  RKFPV	11  FSFDV	12  FKFDV
WSCV 48x-*M	RKCX 48x-*M	WKCX 48x-*M	RSFPV 48x-*M	RKFPV 48x-*M	FSFDV 48x-*M	FKFDV 48x-*M
RSV WSCV 48x-*M	RSV RKCX 48x-*M	RSV WKCX 48x-*M	RSV RSFPV 48x-*M	RSV RKFPV 48x-*M	RSV FSFDV 48x-*M	RSV FKFDV 48x-*M
WSV WSCV 48x-*M	WSV RKCX 48x-*M	WSV WKCX 48x-*M	WSV RSFPV 48x-*M	WSV RKFPV 48x-*M	WSV FSFDV 48x-*M	WSV FKFDV 48x-*M
RKV WSCV 48x-*M	RKV RKCX 48x-*M	RKV WKCX 48x-*M	RKV RSFPV 48x-*M	RKV RKFPV 48x-*M	RKV FSFDV 48x-*M	RKV FKFDV 48x-*M
WKV WSCV 48x-*M	WKV RKCX 48x-*M	WKV WKCX 48x-*M	WKV RSFPV 48x-*M	WKV RKFPV 48x-*M	WKV FSFDV 48x-*M	WKV FKFDV 48x-*M
RSCV WSCV 48x-*M	RSCV RKCX 48x-*M	RSCV WKCX 48x-*M	RSCV RSFPV 48x-*M	RSCV RKFPV 48x-*M	RSCV FSFDV 48x-*M	RSCV FKFDV 48x-*M
WSCV WSCV 48x-*M	WSCV RKCX 48x-*M	WSCV WKCX 48x-*M	WSCV RSFPV 48x-*M	WSCV RKFPV 48x-*M	WSCV FSFDV 48x-*M	WSCV FKFDV 48x-*M
	RKCX RKCX 48x-*M	RKCX WKCX 48x-*M	RKCX RSFPV 48x-*M	RKCX RKFPV 48x-*M	RKCX FSFDV 48x-*M	RKCX FKFDV 48x-*M
		WKCX WKCX 48x-*M	WKCX RSFPV 48x-*M	WKCX RKFPV 48x-*M	WKCX FSFDV 48x-*M	WKCX FKFDV 48x-*M

Specifications

Overmold:	TPU
Coupling Nut:	Nickel Plated CuZn or Stainless Steel
Contact Carrier:	TPU
Contacts:	Gold Plated CuZn
Protection:	NEMA 1, 3, 4, 6P and IEC IP 68
Rated Voltage:	300 V
Rated Current:	9 A
Ambient Temperature:	-40°C to +105°C (-40° to +221°F)

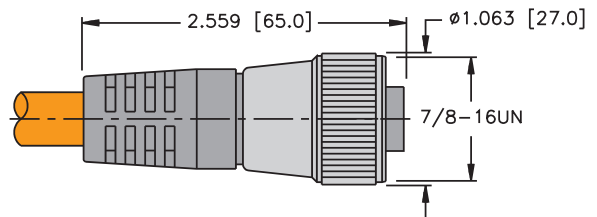
1



RSV ..

Pages P24

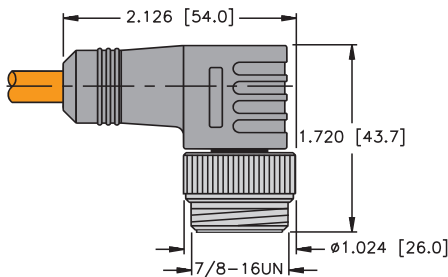
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RKV ..

Pages P24

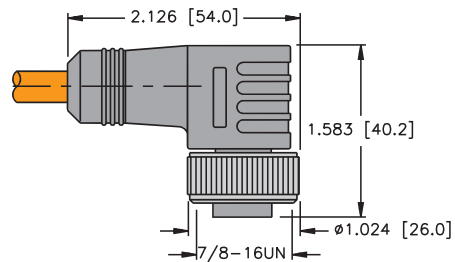
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WSV ..

Pages P24

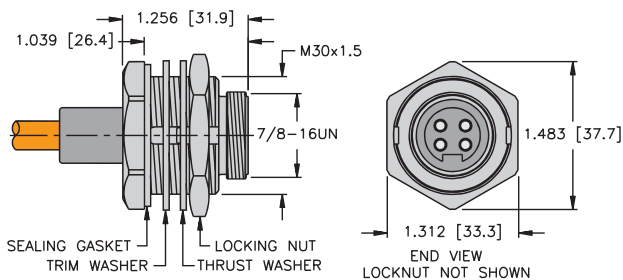
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WKV ..

Pages P24

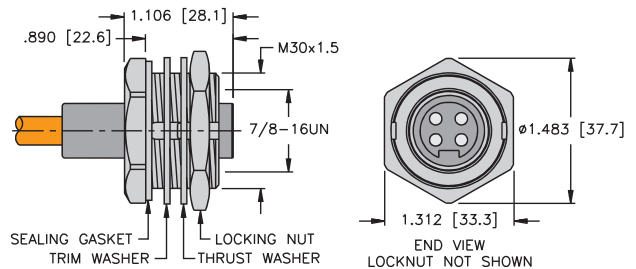
5



RSPV ..

Pages P25

6



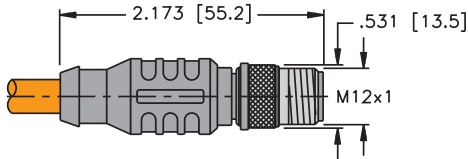
RKFPV ..

Pages P25

Specifications

Overmold:	TPU
Coupling Nut:	Nickel Plated CuZn or Stainless Steel
Contact Carrier:	TPU or POM (Nylon)
Contacts:	Gold Plated CuZn
Protection:	NEMA 1, 3, 4, 6P and IEC IP 68
Rated Voltage:	250 V
Rated Current:	4 A
Ambient Temperature:	-40° to +105°C (-40° to +221°F)

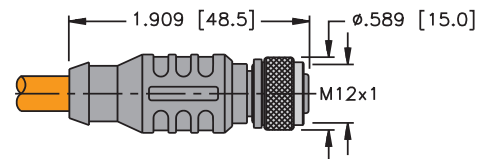
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RSCV ..

Pages P24

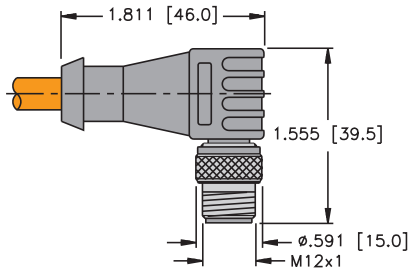
8



RKCV ..

Pages P24

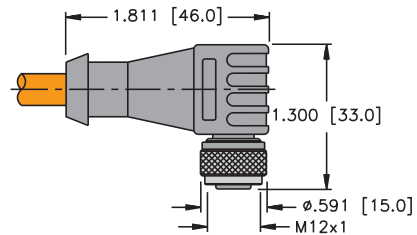
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WSCV ..

Pages P24

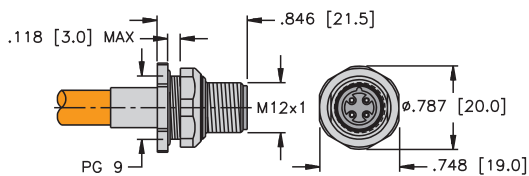
10



WKCV ..

Pages P24

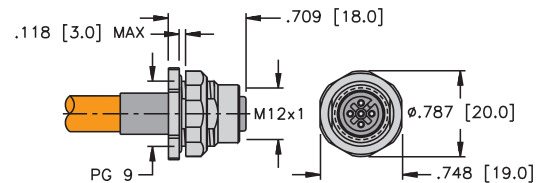
11



FSFDV ..

Pages P25

12



FKFDV ..

Pages P25

TURCK PROFIBUS® –PA Physical Media Connectivity

PROFIBUS® -PA, (7/8-16UN) minifast® Male Receptacles

- Provides Quick Connection to Field Devices
- Available for 1/2-14NPT, 1/2-14NPSM, 3/4-14NPT and M20 Threads



Housing Style	Female Part Number	Male Part Number	Features	Pinouts
<p>RKFV 48-*M/14.5</p>	RKFV 48-*M/14.5	RSFV 48-*M/14.5	Nickel Plated CuZn or Stainless Steel 600 V, 9 A -40° to +105°C 1/2-14NPT full length threads	<p>Female</p>
<p>RSFV 48-*M/14.5</p>				
<p>RKFV 48-*M/14.75</p>	RKFV 48-*M/14.75	RSFV 48-*M/14.75	Nickel Plated CuZn or Stainless Steel 600 V, 9 A -40° to +105°C 3/4-14NPT full length threads	<p>1. BN 2. N/C 3. BU 4. GY</p>
<p>RSFV 48-*M/14.75</p>				
<p>RKFV 48-*M/M20</p>	RKFV 48-*M/M20	RSFV 48-*M/M20	Nickel Plated CuZn or Stainless Steel 600 V, 9 A -40° to +105°C M20x1.5 threads	<p>Male</p>
<p>RSFV 48-*M/M20</p>				

Standard cable length is 0.5 Meters. Consult factory for other lengths.
 Standard housing material is nickel plated brass. "RKFV .."; indicates 316 stainless steel housing.
 For locknuts to be included, add "W/LN" to the end of the part number.

- Provides Quick Connection to Field Devices
- Available for 1/2-14NPT, 1/2-14NPSM, 3/4-14NPT and M20 Threads



Housing Style	Female Part Number	Male Part Number	Features	Pinouts	
<p>RKfV 48-*M</p>	RKfV 48-*M	RSfV 48-*M	Nickel Plated CuZn or Stainless Steel 600 V, 9 A -40° to +105°C 1/2-14NPSM threads	<p>Female</p>	
<p>RSfV 48-*M</p>					
<p>RKfV 48-*M/NPT</p>	RKfV 48-*M/NPT	RSfV 48-*M/NPT		Nickel Plated CuZn or Stainless Steel 600 V, 9 A -40° to +105°C 1/2-14NPT modified length threads	<p>Male</p>
<p>RSfV 48-*M/NPT</p>					

1. BN
2. N/C
3. BU
4. GY

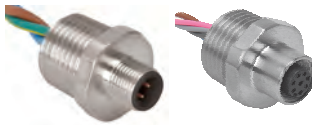
PROFIBUS® –PA Connectivity

Standard cable length is 0.5 Meters. Consult factory for other lengths.
 Standard housing material is nickel plated brass. "RKfV .."; indicates 316 stainless steel housing.
 For locknuts to be included, add "W/LN" to the end of the part number.

TURCK PROFIBUS® –PA Physical Media Connectivity

PROFIBUS® -PA, (M12x1) eurofast® Male Receptacles

- Mounted for Quick Connection to Enclosures
- Available for 1/2-14NPT, 1/2-14NPSM, 3/4-14NPT and M20 Threads



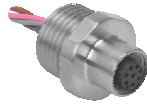
Housing Style	Female Part Number	Male Part Number	Features	Pinouts
<p>FKV 48-*M/14.5</p> <p>FSV 48-*M/14.5</p>	FKV 48-*M/14.5	FSV 48-*M/14.5	Nickel Plated CuZn or Stainless Steel 250 V, 4 A -40° to +105°C 1/2-14NPT full length threads	<p>Female</p>
<p>FKV 48-*M/14.75</p> <p>FSV 48-*M/14.75</p>				
<p>FKV 48-*M</p> <p>FKV 48-*M</p>	FKV 48-*M/M20	FSV 48-*M/M20	Nickel Plated CuZn or Stainless Steel 250 V, 4 A -40° to +105°C M20x1.5 threads	<p>Male</p>

Standard cable length is 0.5 Meters. Consult factory for other lengths.

Standard housing material is nickel plated brass. "RKFV .."; indicates 316 stainless steel housing.

PROFIBUS®-PA, (M12x1) eurofast® Female Receptacles

- Mounted for Quick Connection to Enclosures
- Available for 1/2-14 NPT, 1/2-14 NPSM, 3/4-14 NPT and M20 Threads



Housing Style	Female Part Number	Male Part Number	Features	Pinouts
<p>FKV 48-*M</p>	FKV 48-*M	FSV 48-*M	Nickel Plated CuZn or Stainless Steel 250 V, 4 A -40° to +105°C PG 9 threads	<p>Female</p>
<p>FSV 48-*M</p>				
<p>FKV 48-*M/NPT</p>	FKV 48-*M/NPT	FSV 48-*M/NPT	Nickel Plated CuZn or Stainless Steel 250 V, 4 A -40° to +105°C 1/2-14NPT modified length threads	<p>Male</p>
<p>FSV 48-*M/NPT</p>				

1. BN
2. N/C
3. BU
4. GY

PROFIBUS®-PA Connectivity

Standard cable length is 0.5 Meters. Consult factory for other lengths.
Standard housing material is nickel plated brass. "RKFV .."; indicates 316 stainless steel housing.

PROFIBUS® -PA, Terminating Resistors

- Terminating Resistors Stabilize and Minimize Reflections on the Bus Line
- A Terminating Resistor is Required at the Beginning and End of the Main Bus Line



Housing	Part Number	Features	Pinouts
	RSV 48-TR	Nickel plated brass or stainless steel, 300 V, 9 A -40° to +75°C, male <i>minifast</i> connector	<p>Male</p>
	RSEV 48-TR	Nickel plated brass or stainless steel, 250 V, 4 A -40° to +75°C, male <i>eurofast</i> connector	<p>Male</p>

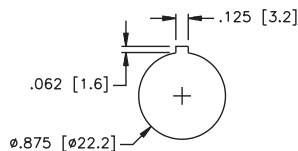
- Receptacles Provide Transition from Male to Female Connectors
- Available for Bulkhead and Feed Through Applications



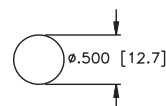
Housing	Part Number	Features	Pinouts
	RSFV RKFV 48/22	Nickel plated CuZn or stainless steel, 300 V, 9 A, -40° to +75°C, straight male/female feed through, for use with DeviceNet <i>minifast</i> cordsets	<p>Male</p> <p>Female</p>
	FKV FSV 48/M12	Nickel plated CuZn or stainless steel, 250 V, 4 A, -40° to +75°C, straight male/female connector, for pre-molded <i>eurofast</i> cables	<p>Male</p> <p>Female</p>

Standard housing material is nickel plated brass. "RSF RKF.."; "RSFV RKFV.." indicates stainless steel housing.

Panel Cutout
RSFV RKFV 48/22



Panel Cutout
FKV FSV 48/M12



TURCK PROFIBUS® –PA Physical Media Connectivity

PROFIBUS® -PA, Tees

- Creates a Drop or Branch from the Main Bus Line
- *minifast*® Connectors on Bus or Drop Lines



Housing	Part Number	Features	Wiring Diagrams
	RSV 2RKV 48	TPU, 250 V, 4 A, -40° to +75°C, data, ground, shield, stainless steel, coupling nuts	
	RSV FKV RKV 48	TPU, 250 V, 4 A, -40° to +75°C, <i>minifast</i> to <i>eurofast</i> ® drop, data, ground, shield, stainless steel coupling nuts	
	RSCV 2RKCV 48	TPU, 250 V, 4 A, -40° to +75°C, <i>eurofast</i> tee, stainless steel, coupling nuts	
	RSCV RKCVCV 48	TPU, 250 V, 4 A, -40° to +105°C, stainless steel coupling nuts	

Pinouts

<i>minifast</i>		<i>eurofast</i>	
Male	Female	Male	Female

PROFIBUS®-PA, Gender Changers and Elbow Connectors

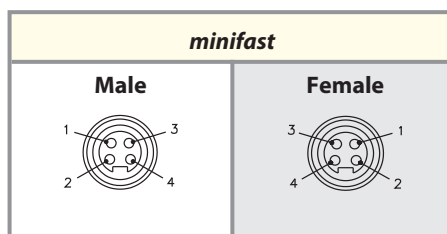
- Allows Quick and Easy Changes from Male to Female *minifast*® Connectors



Housing	Part Number	Features
	RSV RSV 48	TPU, 250 V, 4 A, -40° to +75°C, changes female cordset to male receptacle
	RKV RKV 48	TPU, 250 V, 4 A, -40° to +75°C, changes female cordset to male receptacle
	WSV RKV 48	TPU, 250 V, 4 A, -40° to +75°C, right angle male to female connector

PROFIBUS®-PA Connectivity

Pinouts



TURCK PROFIBUS® –PA Physical Media Connectivity

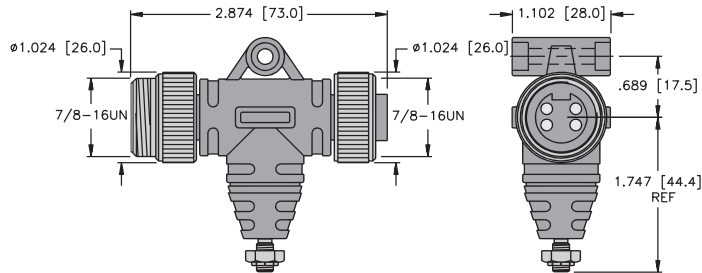
PROFIBUS® -PA, Surge Suppressor

- Protects Data Communication Lines (V+ and V-)
- Absorbs the Front End of the Transient, Responding in Less Than a Nanosecond
- Diverts the Surge Energy to Ground
- Automatically Resets and waits for Next Surge



Housing	Part Number	Specs	Application	Pinouts
See Drawing 1	RSV RKV 48 SS	<p>Electrical</p> <p>Contact Carrier Material Thermoplastic Polyurethane Mold Material/Color Thermoplastic Polyurethane/Black Contact Material/Plating Gold-Plated Brass Coupling Nut Material Stainless Steel Max. Operating Voltage 36 VDC Max. Operating Current 600 mA Max. Clamping Voltage 58 V Surge Current (8/20µs 5 shots) 20kA Temperature Rating -40° to +85°C Protection Class (VDE 0110 b) Meets NEMA 1,3,4,6,13 Insulation Resistance 40 M Capacitance Between V+, V- at 24 V 0.4nF</p> <p>Mechanical</p> <ul style="list-style-type: none"> • Ground Stud: 10-32 stainless steel • Operating temperature: -40° to +85°C 	Male and female <i>minifast</i> ®, 4-pin	<p>Male</p> <p>Female</p>

1



PROFIBUS®-PA, *minifast*® Field Wireable Connectors

- Screw Terminals Accept up to 16 AWG Conductors



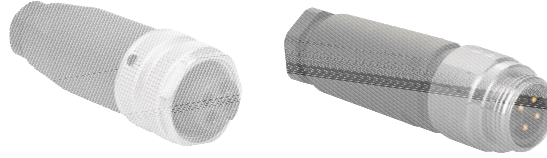
Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>B 414..</p>	B 4140-0/9	BS 4140-0/9	Glass filled nylon, PG 9 cable gland, accepts 6-8 mm cable diameter, 85°C, 250 V, 9 A, mates with all 4-pin <i>minifast</i> cordsets and receptacles	<p>Female</p>
<p>BS 414..</p>	B 4141-0/13.5	BS 4141-0/13.5	Glass filled nylon, PG 13.5 cable gland accepts 10-12 mm cable diameter, 85°C, 250 V, 9 A, mates with all 4-pin <i>minifast</i> cordsets and receptacles	<p>Male</p>

For stainless steel coupling nuts change part number BS ... to BSV ... BK ... To BV

TURCK PROFIBUS® –PA Physical Media Connectivity

PROFIBUS® -PA, *minifast*® Field Wireable Connectors

- Screw Terminals Accept up to 16 AWG Conductors



Housing Style	Female Part Number	Male Part Number	Features	Pinout
<p>BK 414..</p> <p>BS 414..</p>	BK 4140-0/9	BS 4140-0/9	Plastic, TPU (cable grip: Plastic, PU), Anodized Aluminum, PG 0/9 cable gland accepts 6-8 mm cable diameter, -40°C to +90°C (-40°F to +194°F), 250 V, 9 A, mates with all 4-pin <i>minifast</i> cordsets and receptacles	<p>Female</p>
<p>BSV 414..</p> <p>BKV 414..</p>	BKV 4140-0/9	BSV 4140-0/9		
<p>BKV 414..</p> <p>BSV 414..</p>	BKV 4140-0/16	BSV 4140-0/16	Glass filled nylon, stainless steel coupling nut, PG 16 cable gland accepts 10-12 mm cable diameter, -40°C to +90°C (-40°F to +194°F), 600 V, 9 A, mates with all 4-pin <i>minifast</i> cordsets and receptacles	

TURCK PROFIBUS® –PA Physical Media Connectivity



PROFIBUS®-PA, eurofast® Field Wireable Connectors

- Screw Terminals Accept up to 18 AWG Conductors



Housing	Female Part Number	Male Part Number	Features	Pinouts
<p>B 814..</p> <p>BS 814..</p>	B 8141-0/PG9	BS 8141-0/PG9	PBT, Black, PG 9 cable gland, accepts 4-8 mm cable diameter, 85°C, 125 V, 4 A, mates with standard key 4-pin eurofast cordsets and receptacles	<p>Female</p>
<p>B 824..</p> <p>BS 824..</p>	B 8241-0/PG9	BS 8241-0/PG9		<p>Male</p>

PROFIBUS® –PA Connectivity

TURCK PROFIBUS®-PA Physical Media Connectivity

PROFIBUS®-PA, Gender Changers and Elbow Connectors

- Allows Quick and Easy Changes from Male to Female and *minifast*® to *eurofast*® Connectors



Housing Style	Part Number	Features	Wiring Diagram
	RSM 48-FK 4.4	Nickel plated brass CuZn or Stainless Steel, 250 V, 4 A, -40° to +80°C, female <i>eurofast</i> , male <i>minifast</i> , 4-pin	

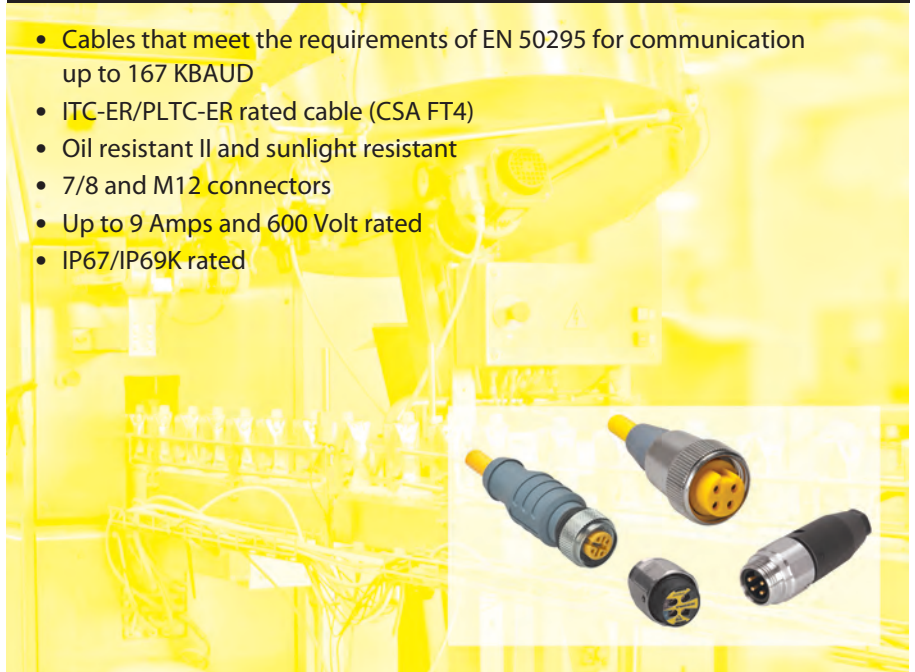
Pinouts

<i>minifast</i>	<i>eurofast</i>
Male 	Female

Part Number Keys	R4
Cordsets	R7
Receptacles	R14
Field Wireables	R18
Accessories	R20

Features

- Cables that meet the requirements of EN 50295 for communication up to 167 KBAUD
- ITC-ER/PLTC-ER rated cable (CSA FT4)
- Oil resistant II and sunlight resistant
- 7/8 and M12 connectors
- Up to 9 Amps and 600 Volt rated
- IP67/IP69K rated



AS-interface System Description

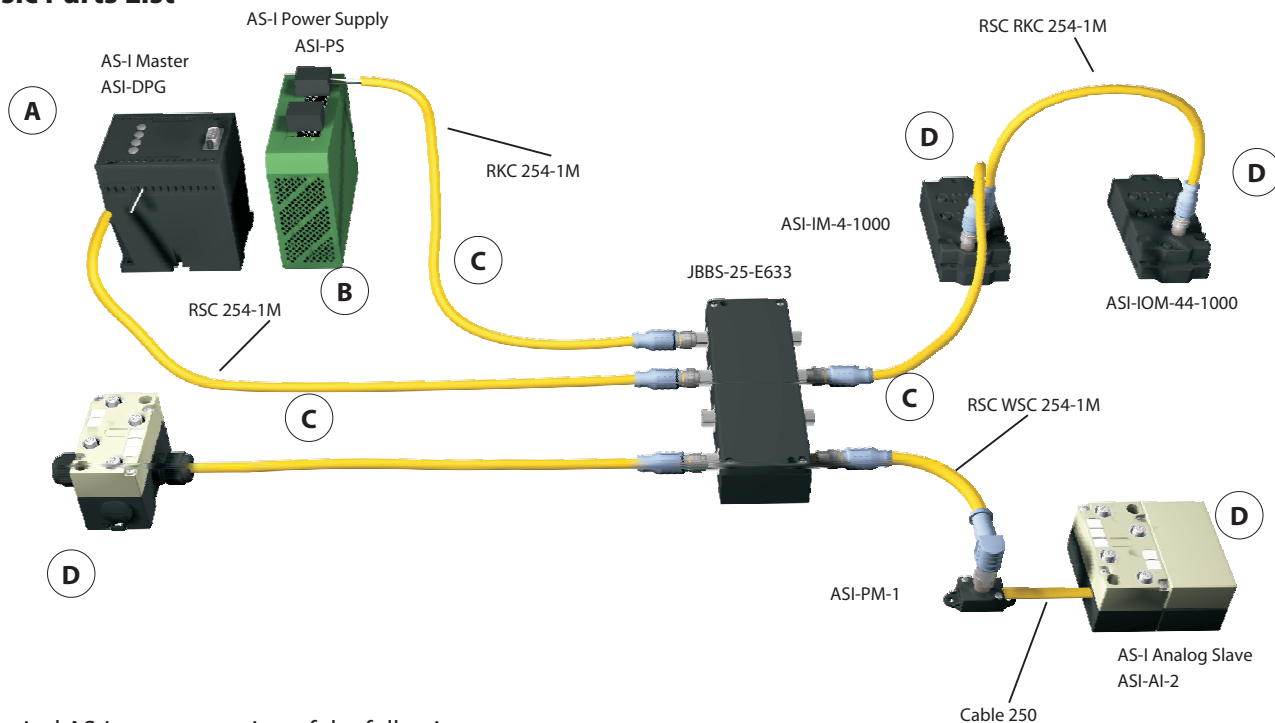
AS-interface (commonly referred to as AS-I) is a low-level I/O interface system. It was originally intended to be a simple, low cost system that would be easy to install and maintain. With that philosophy in mind, the original developers designed AS-I as a discrete-only two-wire system. It incorporated features like automatic station addressing, and power and data were carried on a single untwisted pair of wires.

As the demand for AS-I grew, so did the demand for more complex devices. The next major version of AS-I, v2.1, extended the protocol to include seamless transfer of analog data, transmission of simple diagnostic data and an extended addressing scheme that effectively doubled the number of stations allowed on the network. The newest version of AS-I, v3.0, has gone even further, allowing more options for analog data and much more detailed diagnostic information to be communicated. New versions of AS-I are backward compatible and support slaves from earlier versions. Additionally, AS-I was one of the first network systems to incorporate a safety protocol, allowing emergency-stop and machine-stop systems to be seamlessly integrated with the network.

AS-I can be used as a stand alone network or can be connected to a higher level system, such as DeviceNet™ or PROFIBUS DP, through a gateway. The gateway acts as a slave to the higher system and a master to the AS-I system.

Typical System Configuration

Basic Parts List



A typical AS-I system consists of the following parts:

- A = Master
- B = AS-I Power Supply
- C = AS-I Cable (See N2)
- D = AS-I I/O Modules (or Slaves)

AS-I stations require a network master (also called a scanner) to interface the stations to the host controller. In some cases the scanner and controller are packaged as a single unit; in other cases the scanner acts as a gateway to a higher level network or to a PLC. **TURCK** AS-I stations are designed to be fully compatible with AS-I equipment from other manufacturers.

TURCK & Bihl+Wiedemann

Bihl+Wiedemann, considered the "AS-I masters", is the leading supplier of AS-I master and gateway products. Their broad product range enables users to select from a wide variety of higher level fieldbuses or PC/PLC control solutions. Additionally, Bihl+Wiedemann provides a wide variety of analog AS-I slaves, PC-board level devices for OEMs and sophisticated AS-I accessory products. **TURCK** has partnered with Bihl+Wiedemann to distribute and support their products in North America.

Cordsets

TURCK offers a complete line of molded AS-I cordsets to facilitate network installation, resulting in a faster start-up and fewer wiring errors. The bus and drop cables are specially designed foil-shielded, high-flex cables with very low inductance and capacitance to minimize propagation delay time. AS-I cables consist of a single untwisted and unshielded wire pair that carries both 30 VDC power and the network data. AS-I was originally designed for use with flat cable using an insulation displacement connection technology, but the use of round cables with sealed connectors has become more common. **TURCK** provides both cable options.

Diagnostics

AS-I has limited field diagnostic capability, due to the limited amount of data transferred in each message. Although with v2.1, a peripheral fault bit can be reported by an AS-I station to indicate a fault with a field device. This allows the user to easily determine the location of a system fault down to the station level. AS-I v3.0 has even more diagnostic capabilities, allowing asynchronous "mailbox" messaging to receive more detailed error information.

Bihl+Wiedemann AS-I masters provide comprehensive information about the status of each station on the network by using register based tables to display each occupied network address.

Addressing

The original AS-I system allowed only 4 bits of data to be transferred in each message for a fast and efficient data transfer system. Slaves could be addressed from one to 31, but with the growth of the network more than 31 stations were often required. Beginning with AS-I v2.1 stations were available with "AB" addressing. This scheme allows the station to be addressed from 1A to 31A or 1B to 31B, with 62 total slaves with four discrete inputs and three discrete outputs each. The extended address range (and the three outputs) is achieved by using one output bit as an AB address.

When both A and B addressed slaves are on the same network, they are scanned on alternating cycles (first all the A slaves are scanned, then all the B slaves). Both AB and single-address slaves can be on the same network. In this case the single-address (non AB style) slaves are scanned every cycle. It's important to note that not all v2.1 slaves use this addressing scheme, although it is often referred to as v2.1 addressing.

Analog Data

Although the original AS-I version only allowed discrete data transfer, v2.1 and higher support seamless analog data transfer. This is accomplished by sending a portion of the analog data on each of several consecutive network cycles; for example, a 16-bit word of data requires seven network cycles. Further, AS-I v3.0 allows analog data to be transferred in a single cycle by consuming more than one address for the analog slave.

Communication Rate/Cycle Time

AS-I communicates at a fixed data rate of 167 kbps. The system's cycle time is very predictable because of the simple communication scheme and fixed data rate. For example, a network with 31 slaves will have a cycle time of less than 5 ms. A network with 62 slaves (all A and B addresses used) will have a cycle time of less than 10 ms. If analog slaves are being used, the cycle time will change to account for the fact that an analog word takes multiple network cycles to transmit.

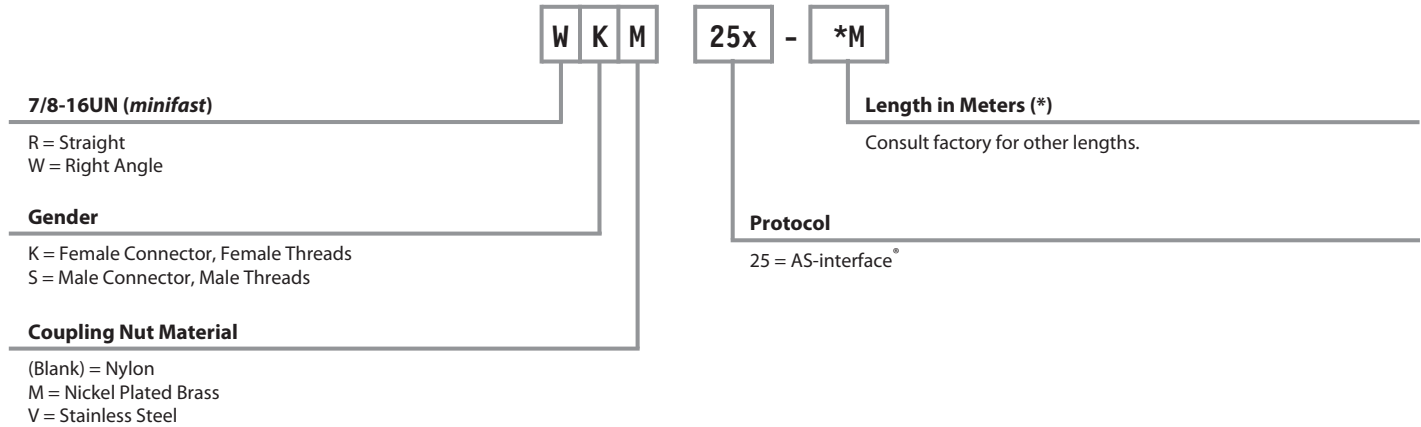
Maximum Ratings

The AS-I system uses a freeform layout topology. Up to 100 m of cable can be used on a segment before a repeater or tuner needs to be installed to allow the network to be extended beyond the 100 m limit. No terminating resistors are required.

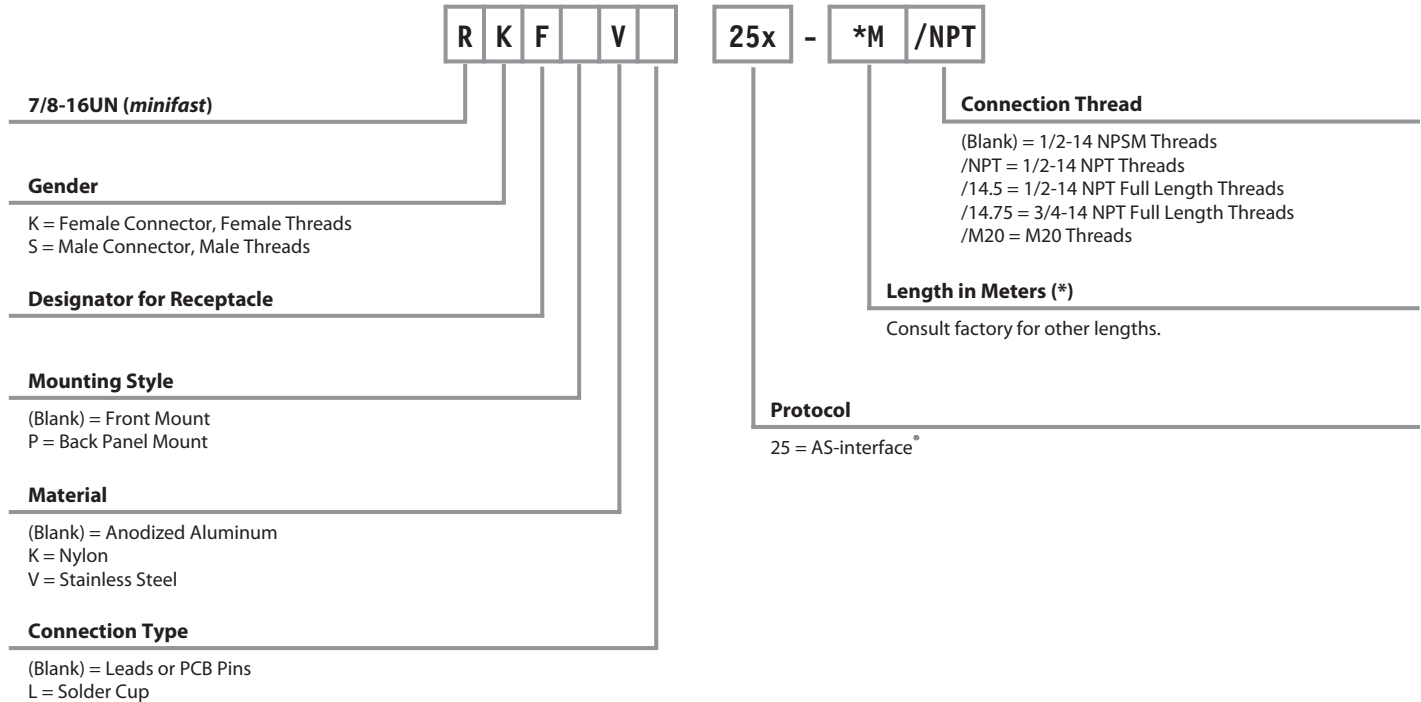
TURCK AS-interface® Physical Media Connectivity

minifast® Cordset Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.

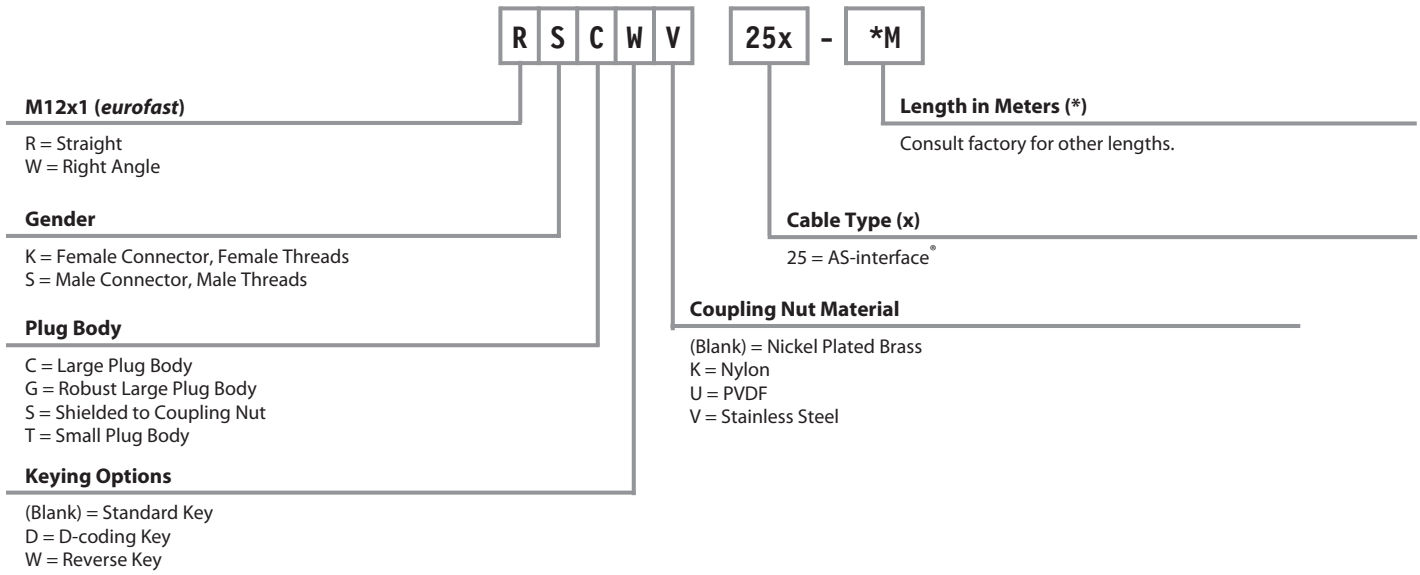


minifast Receptacle Part Number Key

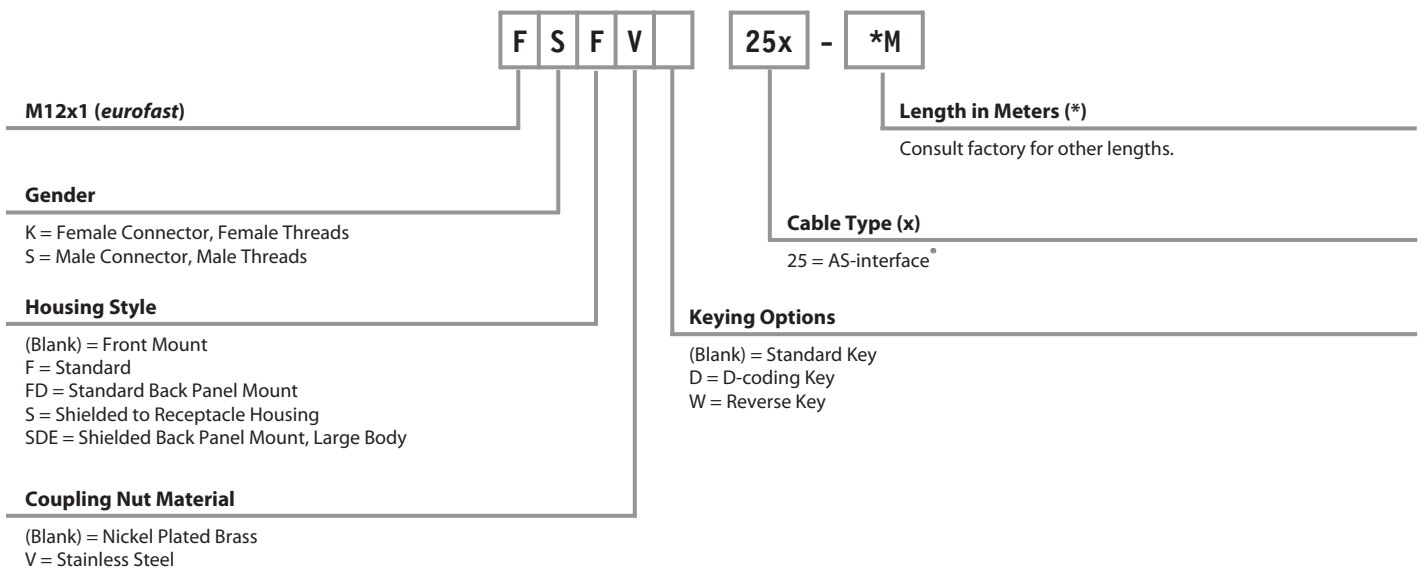


euromast® Cordset Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



euromast Receptacle Part Number Key



AS-interface® Media

Notes:

AS-interface®, Cable Specifications

- AS-interface Cable that Meets the Requirements of EN50295e for Communication up to 167 Kbaud
- Maximum Cable Length per Segment is 100 Meters

Figure A



Figure B

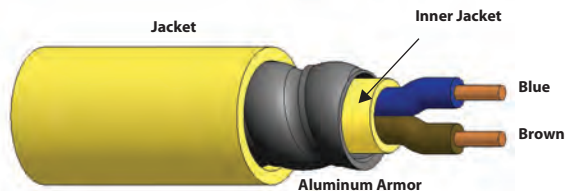


Figure C

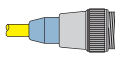
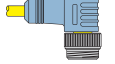
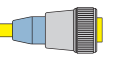

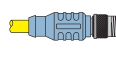

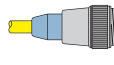
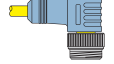
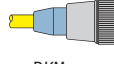


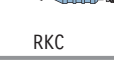



Type	Approvals	Data Pair		Outer Jacket	Bulk Cable Number / Weight/300 M	Figure
		AWG Color Code	DCR (/1000 feet) Insulation	Material Color Nominal O.D.		
254BK AWM 2517 105°C 600 Volts	NEC ITC PLTC Open Wiring Direct Burial CEC [CMG] FT4	2/16 AWG BU/BN	4.1 Ohms PVC/Nylon	PVC Yellow 7.2 mm (.285 in)	RB51029-*M 53 lbs.	A
254B AWM 2517 105°C 600 Volts	NEC ITC PLTC Open Wiring Direct Burial CEC [CMG] FT4	2/16 AWG BU/BN	4.1 Ohms PVC/Nylon	PVC Blue 7.2 mm (.285 in)	RB50962-*M 53 lbs.	A
255A 105°C 300 Volts	NEC ITC PLTC CEC [CMG] HL BCD	2/16 AWG BU/BN	4.1 Ohms PVC	Armor PVC Yellow 13.5 mm (.530 in)	RB50966-*M 105 lbs. armorfast ®	B
256 AWM 21002 105°C 600 Volts	NEC AWM CEC AWM I/II A/B FT1	2/16 AWG BU/BN	4.5 Ohms PE	TPE Yellow 6.2 mm (.244 in)	RB51179-*M 36 lbs. flexlife-10 ™	A
257 AWM 21002 105°C 300 Volts	NEC PLTC/ITC CEC AWM I/II A/B FT1	2/16 AWG BU/BN	4.1 Ohms PE	TPE Yellow 7.2 mm (.285 in)	RB51178-*M 53 lbs.	A
2544 AWM 2586 105°C 600 Volts	NEC ITC PLTC Exposed Run, Direct Burial, CEC [CMG] FT4	4/16 AWG BN/WH/BU/BK	4.1 Ohms PVC	PVC Yellow 8.5 mm (.352 in)	RB51875-*M 94 lbs.	C

* Indicates length in meters.
Standard spool lengths are 30, 75, 100, 150, 200, 225, 300 meters. Consult factory for other lengths.

TURCK AS-interface® Physical Media Connectivity

AS-interface®, Cable and Cordset Selection Matrix

		minifast®				eurofast®	
		Pin (Male)		Socket (Female)		Pin (Male)	
		1  RSM	2  WSM	3  RKM	4  WKM	7  RSC	
 Bare		RSM 25x-*M	WSM 25x-*M	RKM 25x-*M	WKM 25x-*M	RSC 25x-*M	
minifast	Pin (Male)	1  RSM	RSM RSM 25x-*M	RSM WSM 25x-*M	RSM RKM 25x-*M	RSM WKM 25x-*M	RSM RSC 25x-*M
	2  WSM		WSM WSM 25x-*M	WSM RKM 25x-*M	WSM WKM 25x-*M	WSM RSC 25x-*M	
	3  RKM			RKM RKM 25x-*M	RKM WKM 25x-*M	RKM RSC 25x-*M	
	4  WKM				WKM WKM 25x-*M	WKM RSC 25x-*M	
eurofast	Pin (Male)	7  RSC				RSC RSC 25x-*M	
	8  WSC						
	9  RKC						
	10  WKC						

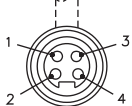
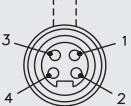
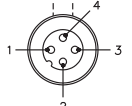
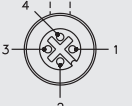
See pages R10 - R11 for dimensional drawings.

* Indicates length in meters.


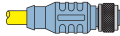



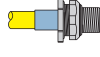

x Indicates cable type.

Standard cable lengths are 1, 2, 4, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.

For stainless steel coupling nuts change part number RSM... to RSV, WSM... to WSV. For **eurofast armorfast®** change part number RSC... to RSA.

minifast		Pinouts	eurofast	
Male	Female		Male	Female
		1. Brown (+ Voltage) 2. N/C 3. Blue (- Voltage) 4. N/C		

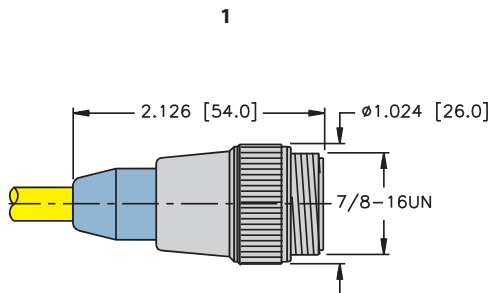
AS-interface®, Cable and Cordset Selection Matrix

eurofast®			minifast® Bulkhead		eurofast Bulkhead	
Pin (Male)	Socket (Female)		Pin (Male)	Socket (Female)	Pin (Male)	Socket (Female)
8  WSC	9  RKC	10  WKC	5  RSFP	6  RKFP	11  FSFD	12  FKFD
WSC 25x-*M	RKC 25x-*M	WKC 25x-*M	RSFP 25x-*M	RKFP 25x-*M	FSFD 25x-*M	FKFD 25x-*M
RSM WSC 25x-*M	RSM RKC 25x-*M	RSM WKC 25x-*M	RSM RSFP 25x-*M	RSM RKFP 25x-*M	RSM FSFD 25x-*M	RSM FKFD 25x-*M
WSM WSC 25x-*M	WSM RKC 25x-*M	WSM WKC 25x-*M	WSM RSFP 25x-*M	WSM RKFP 25x-*M	WSM FSFD 25x-*M	WSM FKFD 25x-*M
RKM WSC 25x-*M	RKM RKC 25x-*M	RKM WKC 25x-*M	RKM RSFP 25x-*M	RKM RKFP 25x-*M	RKM FSFD 25x-*M	RKM FKFD 25x-*M
WKM WSC 25x-*M	WKM RKC 25x-*M	WKM WKC 25x-*M	WKM RSFP 25x-*M	WKM RKFP 25x-*M	WKM FSFD 25x-*M	WKM FKFD 25x-*M
RSC WSC 25x-*M	RSC RKC 25x-*M	RSC WKC 25x-*M	RSC RSFP 25x-*M	RSC RKFP 25x-*M	RSC FSFD 25x-*M	RSC FKFD 25x-*M
WSC WSC 25x-*M	WSC RKC 25x-*M	WSC WKC 25x-*M	WSC RSFP 25x-*M	WSC RKFP 25x-*M	WSC FSFD 25x-*M	WSC FKFD 25x-*M
	RKC RKC 25x-*M	RKC WKC 25x-*M	RKC RSFP 25x-*M	RKC RKFP 25x-*M	RKC FSFD 25x-*M	RKC FKFD 25x-*M
		WKC WKC 25x-*M	WKC RSFP 25x-*M	WKC RKFP 25x-*M	WKC FSFD 25x-*M	WKC FKFD 25x-*M

AS-interface® Media

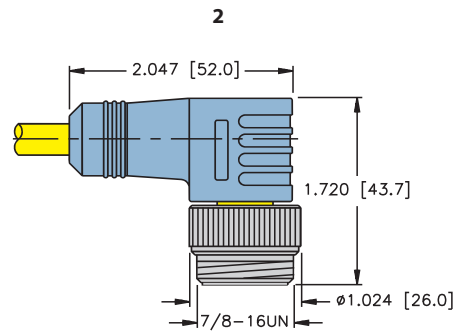
Specifications

Overmold:	TPU
Coupling Nut:	Nickel Plated CuZn or Stainless Steel
Contact Carrier:	TPU (Polyurethane)
Contacts:	Gold Plated CuZn
Protection:	NEMA 1, 3, 4, 6P and IEC IP 67
Rated Voltage:	300 V
Rated Current:	9 A
Ambient Temperature:	-40° to +105°C (-40° to +221°F)



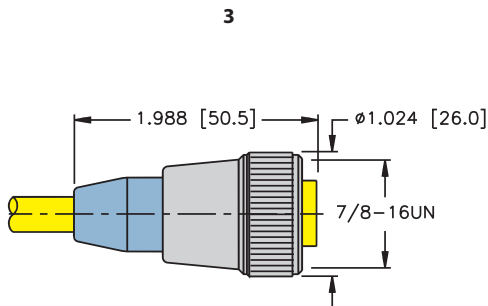
RSM ..

Pages R8



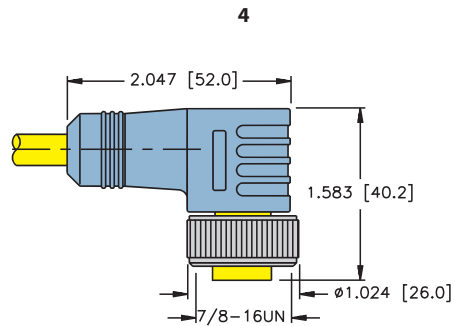
WSM ..

Pages R8



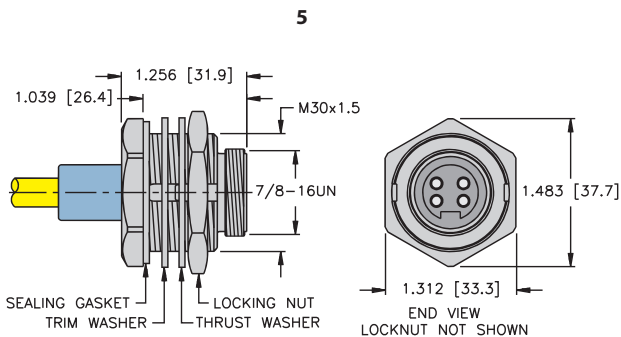
RKM ..

Pages R8



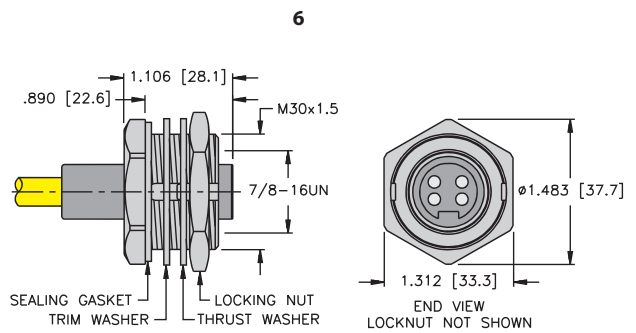
WKM ..

Pages R8



RSFP ..

Pages R9



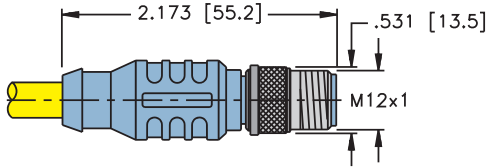
RKFP ..

Pages R9

Specifications

Overmold:	TPU
Coupling Nut:	Nickel Plated CuZn or Stainless Steel
Contact Carrier:	TPU or POM (Nylon)
Contacts:	Gold Plated CuZn
Protection:	NEMA 1, 3, 4, 6P and IEC IP 68
Rated Voltage:	250 V
Rated Current:	4 A
Ambient Temperature:	-40°C to +105°C (-40° to +221°F)

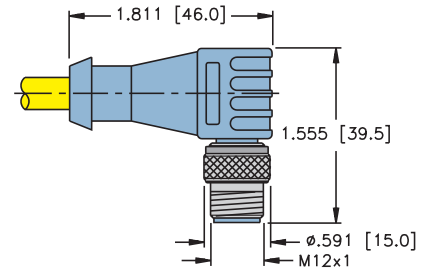
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RSC ..

Pages R8 - R9

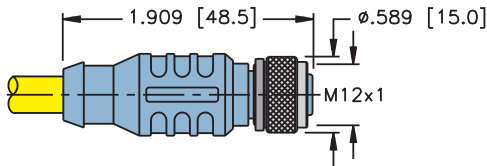
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WSC ..

Pages R8 - R9

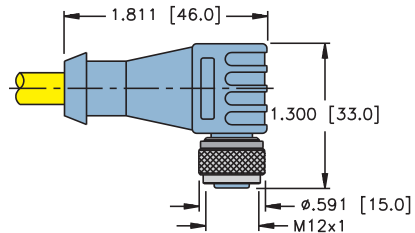
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RKC ..

Pages R8 - R9

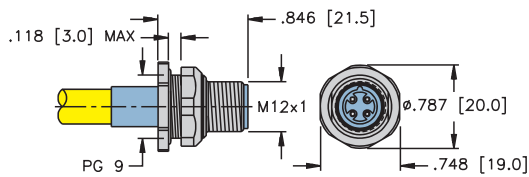
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WKC ..

Pages R8 - R9

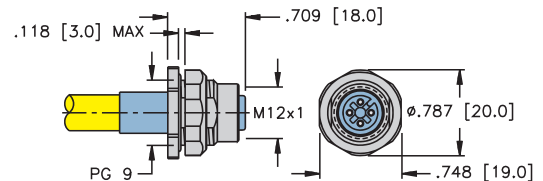
11



FSFD ..

Pages R9

12



FKFD ..

Pages R9

TURCK AS-interface® Physical Media Connectivity

AS-interface®, Tees

- Creates a Drop or Branch from the Main Bus Line
- Available in *minifast*® or *eurofast*® Bus or Drop Lines



Housing	Part Number	Application	Wiring Diagrams
	RSV-2RKV 25	TPU (Polyurethane), stainless steel, 250 V, 4 A (<i>eurofast</i>), 9 A (<i>minifast</i>), -40° to +80°C, <i>minifast</i> drop connector	
	RSV FKV RKV 25	TPU (Polyurethane), stainless steel, 250 V, 4 A (<i>eurofast</i>), 9 A (<i>minifast</i>), -40° to +80°C, <i>eurofast</i> drop connector	
	RSCV 2RKC V 25	TPU (Polyurethane), stainless steel, 250 V, 4 A (<i>eurofast</i>), -30° to +90°C, <i>eurofast</i> female drop connector	
	RKC 2RSC 25	TPU (Polyurethane), stainless steel, 250 V, 4 A (<i>eurofast</i>), -30° to +90°C, <i>eurofast</i> male drop connector, nickel plated brass	
	RSCV WKCV 25	TPU (Polyurethane), stainless steel, 250 V, 4 A (<i>eurofast</i>), -40° to +105°C, <i>eurofast</i> male elbow	
	RSC RKC 25	TPU (Polyurethane), stainless steel, 250 V, 4 A (<i>eurofast</i>), -40° to +105°C, <i>eurofast</i> male	

<i>minifast</i>		Pinouts	<i>eurofast</i>	
Male 	Female 	1. Brown (+ Voltage) 2. N/C 3. Blue (- Voltage) 4. N/C	Male 	Female

AS-interface®, Gender Changers and Elbow Connectors

- Allows Quick and Easy Change from Male to Female *minifast*® Connectors



Housing	Part Number	Specs	Application	Wiring Diagrams
	RSM RSM 25		minifast Male Gender Changer <ul style="list-style-type: none"> Female cordset to male receptacle 	
	RKM RKM 25	TPU (Polyurethane) 250 V, 9 A -40° to +80°C	minifast Female Gender Changer <ul style="list-style-type: none"> Male cordset to female receptacle 	
	WSM RKM 25		minifast Elbow <ul style="list-style-type: none"> Right angle male to female connector 	

AS-interface® Media

<i>minifast</i>	Pinouts	<i>minifast</i>
Male 	1. Brown (+ Voltage) 2. N/C 3. Blue (- Voltage) 4. N/C	Female

TURCK AS-interface® Physical Media Connectivity

AS-interface®, eurofast® Flat Cable Adapter

- Allows the Mixing of Standard AS-I Flat Cable with *eurofast* Round Cable in Same System
- May be Needed when Going from a Dry to a Wet Environment or an Area Where Better Sealing and Rugged Connectors are Required

Housing Style	Part Number	Specs	Pinout
	ASI-PM-1 BW1239	TPU (Polyurethane) 250 V, 4 A -40° to +75°C	<p>Female</p>
	ASI-PM 41		

	Type	Approvals	Data Pair		Outer Jacket Material Color Nominal O.D.	Bulk Cable Part Number / Weight/300 M
			AWG Color Code	DCR (/1000 feet) Insulation		
	250 105°C 300 Volts		2/16 AWG BU/BN	6.5 Ohms TPE-S	TPE Yellow Flat	RB21603-*M 40 lbs.
	251 105°C 300 Volts		2/16 AWG BU/BN	6.5 Ohms TPE-S	TPE Black Flat	RB21605-*M 40 lbs.
	253 75°C 300 Volts	NEC ITC PLTC CEC [CMG]	2/18 AWG BU/BN	6.5 Ohms PVC	PVC Light Grey Flat	RB50782-*M 42 lbs.
	253G 75°C 300 Volts	NEC PLTC CEC AWM I/II A/B FT4	2/16 AWG BU/BN	4.1 Ohms PVC	TPE Grey Flat	RB51240-*M 42 lbs.
	253BK 75°C 300 Volts	NEC PLTC CEC AWM I/II A/B FT4	2/16 AWG BU/BN	4.1 Ohms PVC	TPE Black Flat	RB51241-*M 42 lbs.
	253Y 75°C 300 Volts	NEC PLTC CEC AWM I/II A/B FT4	2/16 AWG BU/BN	4.1 Ohms PVC	TPE Yellow Flat	RB51242-*M 42 lbs.

* Indicates length in meters.

Standard cable lengths are 1, 2, 4, 5, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.

AS-interface®, minifast® Male Receptacles

- Provides Quick Connection to Field Devices or Enclosures
- Available for 1/2-14NPT, 1/2-14NPSM, 3/4-14NPT and M20 Threads
- (7/8-16UN) minifast Connection



Housing	Female Part Number	Male Part Number	Application	Pinouts	
<p>RKF 25.../14.5</p>	RKF 25-*M/14.5	RSF 25-*M/14.5	Nickel plated CuZn or stainless steel 300 V, 9 A, -40° to +105°C, 1/2-14NPT full length threads	<p>Female</p>	
<p>RSF 25.../14.5</p>					
<p>RKF 25.../14.75</p>	RKF 25-*M/14.75	RSF 25-*M/14.75	Nickel plated CuZn or stainless steel 300 V, 9 A, -40° to +105°C, 3/4-14NPT full length threads		
<p>RSF 25.../14.75</p>					
<p>RKF 25.../M20</p>	RKF 25-*M/M20	RSF 25-*M/M20	Nickel plated CuZn or stainless steel 300 V, 9 A, -40° to +105°C, M20x1.5 threads		<p>Male</p>
<p>RSF 25.../M20</p>					

AS-interface® Media

Standard cable length is 0.5 meters. Consult factory for other lengths.
 Standard housing material is nickel plated brass. "RKF .."; "RKFV .." indicates 316 stainless steel housing.
 For locknuts to be included, add "W/LN" to the end of the part number.

TURCK AS-interface® Physical Media Connectivity

AS-interface®, minifast® Male Receptacles

- Provides Quick Connection to Field Devices or Enclosures
- Available for 1/2-14NPT, 1/2-14NPSM, 3/4-14NPT and M20 Threads
- (7/8-16UN) minifast Connection



Housing	Female Part Number	Male Part Number	Application	Pinouts
<p>RKF ..</p>	RKF 25-*M	RSF 25-*M	Nickel plated CuZn or stainless steel 300 V, 9 A -40° to +105°C, 1/2-14NPSM threads	<p>Female</p>
<p>RSF ..</p>				
<p>RKF ../NPT</p>	RKF 25-*M/NPT	RSF 25-*M/NPT	Nickel plated CuZn or stainless steel 300 V, 9 A, -40° to +105°C, 1/2-14NPT modified length threads	<p>Male</p>
<p>RSF ../NPT</p>				

Standard cable length is 0.5 meters. Consult factory for other lengths.
 Standard housing material is nickel plated brass. "RKF .."; "RKFV .." indicates 316 stainless steel housing.
 For locknuts to be included, add "W/LN" to the end of the part number.

AS-interface®, eurofast® Male Receptacles

- Mounted for Quick Connection to Enclosures
- (M12x1) eurofast Connectors



Housing	Female Part Number	Male Part Number	Application	Pinout
<p>FK 25...14.5</p> <p>FS 25...14.5</p>	FK 25-*M/14.5	FS 25-*M/14.5	Nickel plated CuZn or stainless steel, 250 V, 4 A, -40° to +105°C, 1/2-14NPT full length threads	<p>Female</p>
<p>FK 25...14.75</p> <p>FS 25...14.75</p>	FK 25-*M/14.75	FS 25-*M/14.75	Nickel plated CuZn or stainless steel, 250 V, 4 A, -40° to +105°C, 3/4-14NPT full length threads	
<p>FK 25.../M20</p> <p>FS 25.../M20</p>	FK 25-*M/M20	FS 25-*M/M20	Nickel plated CuZn or stainless steel, 250 V, 4 A, -40° to +105°C, M20x1.5 threads	<p>1. BN 2. N/C 3. BU 4. N/C</p> <p>Male</p>

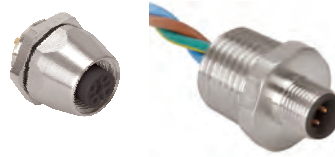
Standard cable length is 0.5 meters. Consult factory for other lengths.
Standard housing material is nickel plated brass. "RKF .."; "RKFV .." indicates 316 stainless steel housing.

AS-interface® Media

TURCK AS-interface® Physical Media Connectivity

AS-interface®, eurofast® Male Receptacles

- Mounted for Quick Connection to Enclosures
- (M12x1) eurofast Connectors



Housing	Female Part Number	Male Part Number	Application	Pinout
<p>FK 25...</p>	FK 25-*M	FS 25-*M	Nickel plated CuZn or stainless steel, 250 V, 4 A, -40° to +105°C, PG 9 threads	<p>Female</p>
<p>FS 25...</p>				
<p>FK 25.../NPT</p>	FK 25-*M/NPT	FS 25-*M/NPT	Nickel plated CuZn or stainless steel, 250 V, 4 A, -40° to +105°C, 1/2-14NPT modified length threads	<p>Male</p>
<p>FS 25.../NPT</p>				

Standard cable length is 0.5 meters. Consult factory for other lengths.

Standard housing material is nickel plated brass. "RKF .."; "RKFV .." indicates 316 stainless steel housing.

AS-interface®, minifast® Field Wireable Connectors with Labels

- Allows for Quick Connection when Pre-Molded Cables not Available
- Available for Male and Female Connectors
- Color Coded Wire Connection for AS-interface



Housing Style	Female Part Number	Male Part Number	Features	Pinouts
<p>BK 41..</p> <p>BS 41..</p>	BK 4140-0/9/ASI	BS 4140-0/9/ASI	Glass filled nylon, PG 9 cable gland, accepts 6-8 mm cable diameter, screw terminals, 90°C, 250 V, 9 A, mates with standard, 4-pin cordsets and receptacles	<p>Male</p>
<p>BKV 41..</p> <p>BSV 41..</p>	BKV 4140-0/9/ASI	BSV 4140-0/9/ASI	Glass filled nylon, PG 9 cable gland, accepts 6-8 mm cable diameter, screw terminals, 90°C, 250 V, 9 A, mates with standard, 4-pin cordsets and receptacles, stainless steel housing	<p>Female</p>

TURCK AS-interface® Physical Media Connectivity

AS-interface®, eurofast® Field Wireable Connectors with Labels

- Allows for Quick Connection when Pre-Molded Cables are not Available
- Available for Male and Female Connectors
- Color Coded Wire Connection for AS-interface



Housing Style	Female Part Number	Male Part Number	Features	Pinouts
<p>B 81..</p> <p>BS 81..</p>	B 8141-0/PG9/ASI	BS 8141-0/PG9/ASI	PBT, black, PG 9 cable gland, accepts 6-8 mm cable diameter, screw terminals, 85°C, 250 V, 4 A, mates with standard, 4-pin cordsets and receptacles	<p>Female</p>
<p>B 82..</p> <p>BS 82..</p>				

AS-interface®, Gender Changer

- Allows Quick and Easy Change from Male to Female and (7/8-16UN) *minifast*® to (M12x1) *eurofast*® Connectors



Housing Style	Part Number	Features	Wiring Diagram															
	RSM 25-FK 4.5	Nickel plated CuZn or stainless steel, 250 V, 4 A, -40°C to +75°C, female <i>eurofast</i> , male <i>minifast</i> , 4-pin	<table border="0"> <tr> <td>MALE</td> <td></td> <td>FEMALE</td> </tr> <tr> <td>1</td> <td>←</td> <td>1</td> </tr> <tr> <td>2</td> <td>←</td> <td>2</td> </tr> <tr> <td>3</td> <td>←</td> <td>3</td> </tr> <tr> <td>4</td> <td>←</td> <td>4</td> </tr> </table>	MALE		FEMALE	1	←	1	2	←	2	3	←	3	4	←	4
MALE		FEMALE																
1	←	1																
2	←	2																
3	←	3																
4	←	4																

Pinouts

<i>minifast</i>	<i>eurofast</i>
<p>Male</p>	<p>Female</p>

Notes:

Part Number Keys	S2
M12 (eurofast)	S4
M8 (picofast)	S52
M5 (pentafast)	S62
7/8" (minifast)	S66
1/2" (microfast)	S80
Accessories	S84

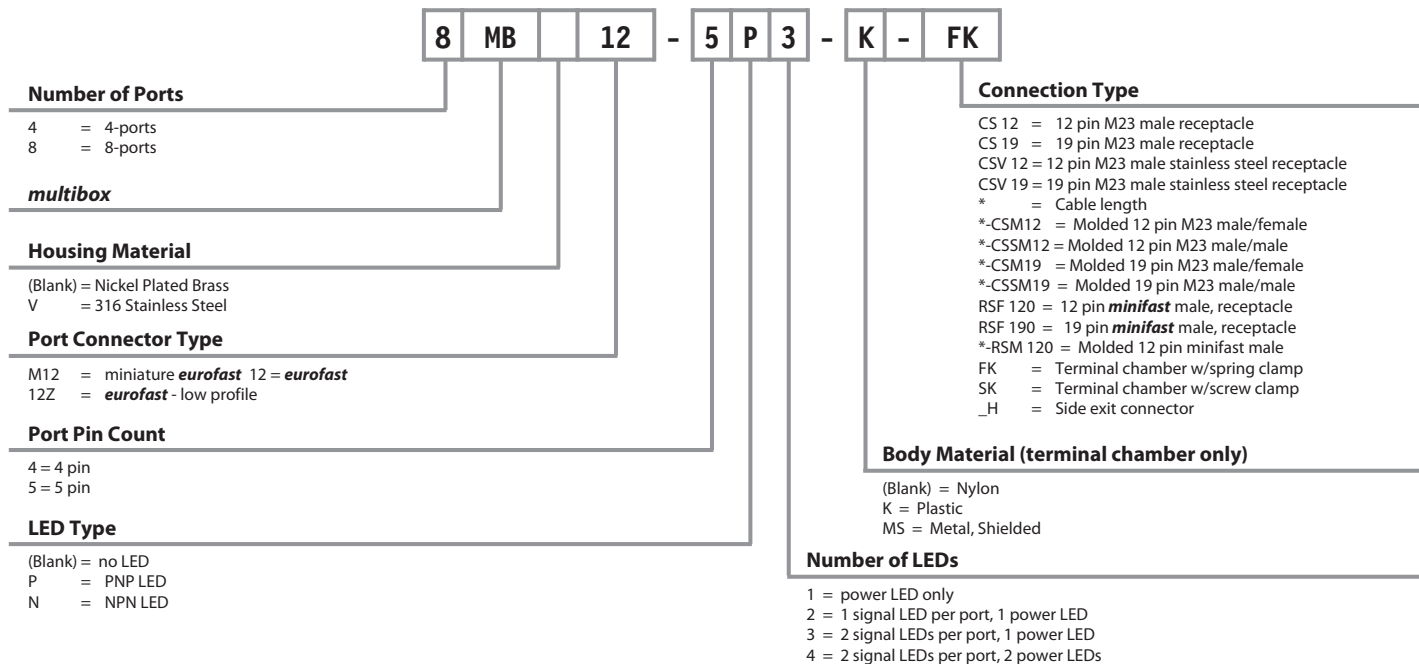
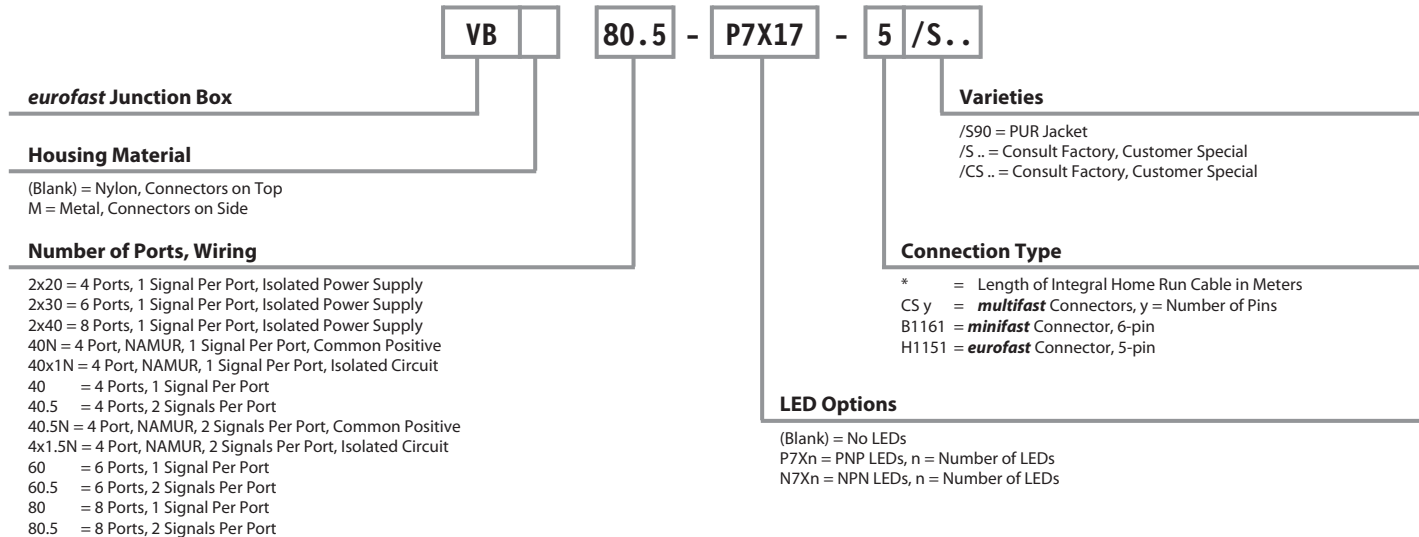
Features

- Products for M12 *eurofast*, M8 *picofast*, 7/8" *minifast* and 1/2" *microfast*
- Consolidate up to 16 I/O signals
- AC or DC options
- PNP LED, NPN LED and non-LED offerings
- Multiple housing styles and materials

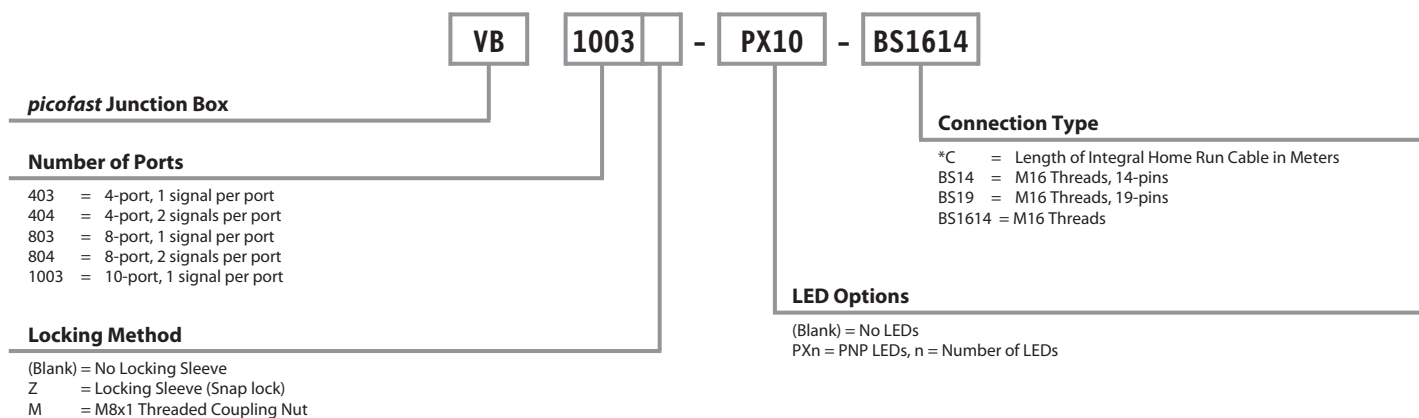


M12 eurofast® Standard and Low Profile Junction Box Part Number Keys

Note: Part Number Keys are to assist in IDENTIFICATION ONLY. Consult Factory for catalog items not identified.

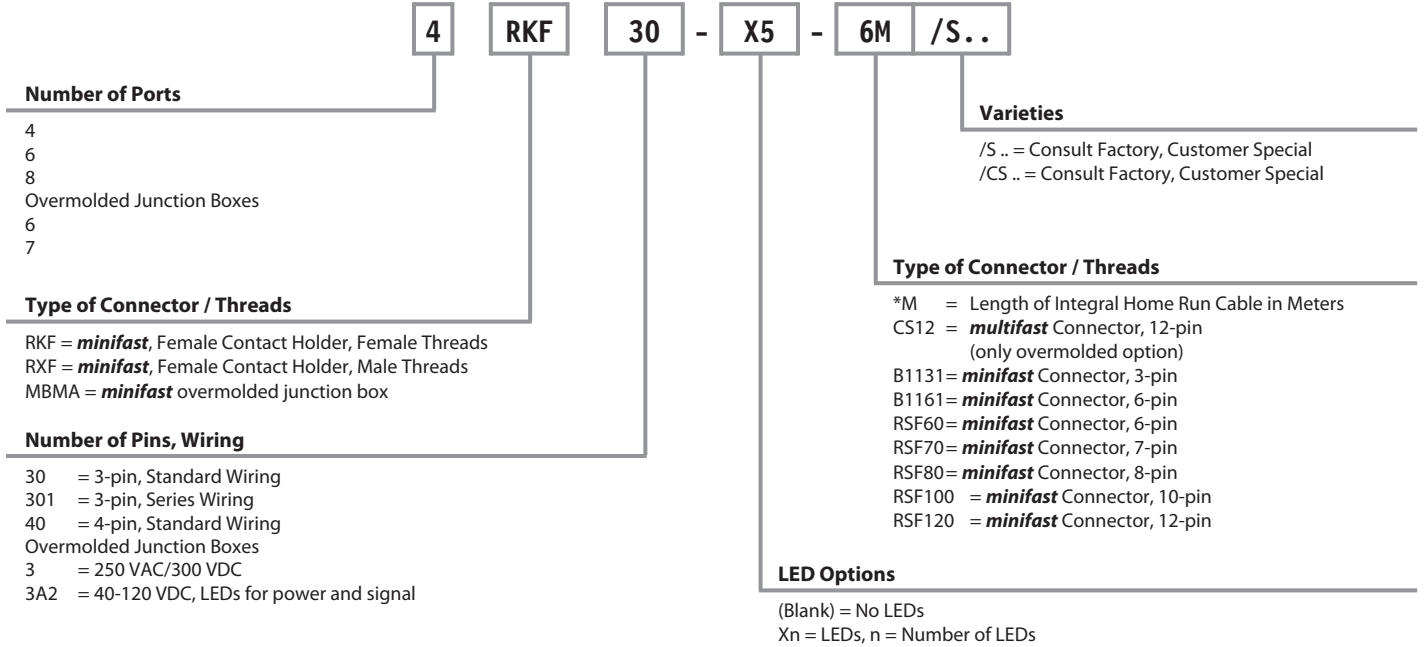


M8 picofast® Junction Box Part Number Key

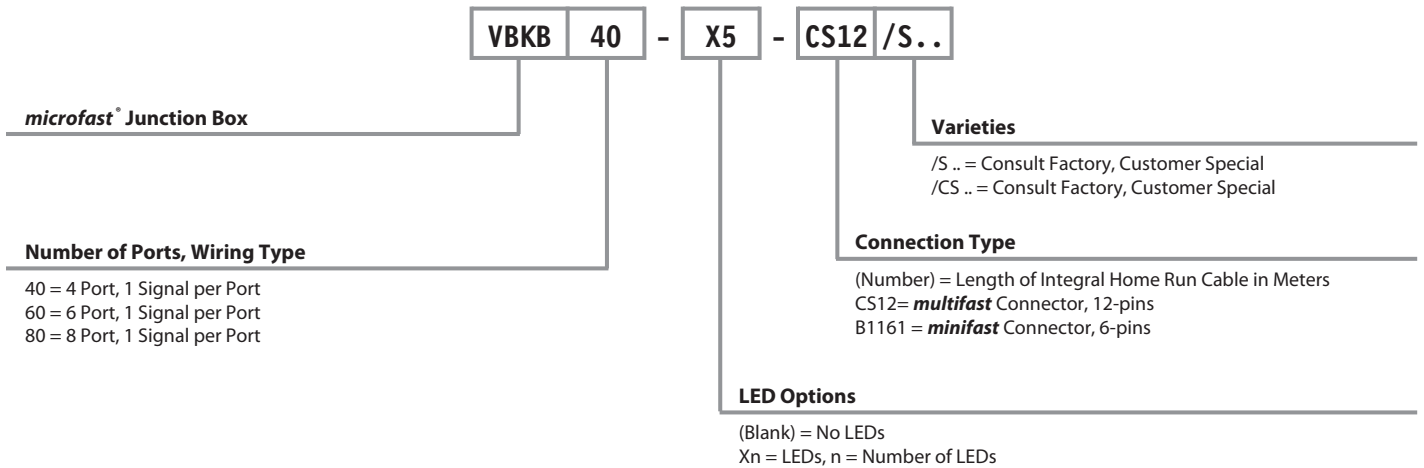


7/8-16 UN *minifast*® Junction Box Part Number Key

Note: Part Number Keys are to assist in IDENTIFICATION ONLY. Consult Factory for catalog items not identified.



1/2" *microfast*® Junction Box Part Number Key





multibox® *eurofast*® Miniature Junction Boxes, 4-port

Single/Dual Input/Output per Port
Available with or without LEDs

Rugged Plastic Housing
M12 or M16 Quick Disconnect or
Integral Cable

4-port, 1 Signal Per Port, 10-48 VDC

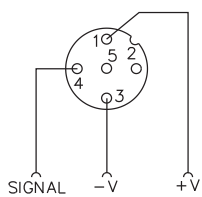
Application	Specifications	Pinout	No LEDs	PNP LED	NPN LED
4-port J-box 1 signal per port Integral cable	4 A/port 2 A total - 1 power pair	<u>Function</u> <u>Color</u> <u>Function</u> <u>Color</u> +V BN Port 1/4 WH -V BU Port 2/4 GN	4MBM12-4-*C	4MBM12-4P2-*C	4MBM12-4N2-*C
4-port J-box 1 signal per port stainless steel Integral cable	4 A total - dual power Yellow PVC 8/24 AWG	+V PK Port 3/4 YE -V RD Port 4/4 GY	4MBMV12-4-*C	4MBMV12-4P2-*C	4MBMV12-4N2-*C
4-port J-box 1 signal per port eurofast (M12) connector	4 A/port 2 A total w/1 power pair 4 A total w/dual power 8-pin eurofast connector 8 conductors Mates with RKC 8.8T	<u>Function</u> <u>Pin</u> <u>Function</u> <u>Pin</u> +V 5 Port 1/4 1 -V 7 Port 2/4 2 +V 6 Port 3/4 3 -V 8 Port 4/4 4	4MBM12-4-FS 8	4MBM12-4P2-FS 8	4MBM12-4N2-FS8

4-port, 2 Signals Per Port, 10-48 VDC

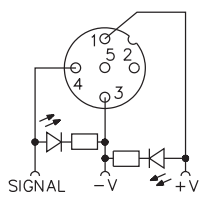
Application	Specifications	Pinout	No LEDs	PNP LED	NPN LED
4-port J-box 2 signals per port Integral cable	4 A/port 3 A total - 1 power pair	<u>Function</u> <u>Color</u> <u>Function</u> <u>Color</u> +V BN Port 2/4 GN -V BU Port 2/2 RD	4MBM12-5-*C	4MBM12-5P3-*C	4MBM12-5N3-*C
4-port J-box 2 signals per port stainless steel Integral cable	6 A total - dual power Yellow PVC 12/24 AWG	+V RD/BU Port 3/4 YE -V GY/PK Port 3/2 BK Port 1/4 WH Port 4/4 GY Port 1/2 PK Port 4/2 VT	4MBMV12-5-*C	4MBMV12-5P3-*C	4MBMV12-5N3-*C
4-port J-box 2 signals per port versafast (M16) connector	4 A/port 3 A total w/1 power pair 6 A total w/dual power 14-pin versafast connector 12 conductors Mates with BKM 14-917-*	<u>Function</u> <u>Pin/Color</u> <u>Function</u> <u>Pin/Color</u> +V A/RD/BU Port 2/4 E/GN -V L/GY/PK Port 2/2 R/RD +V M/BN Port 3/4 O/OE -V U/BU Port 3/2 G/BK Port 1/4 P/WH Port 4/4 C/GY Port 1/2 N/PK Port 4/2 S/VT	4MBM12-5-BS14	4MBM12-5P3-BS14	4MBM12-5N3-BS14

Functional Wiring Diagrams

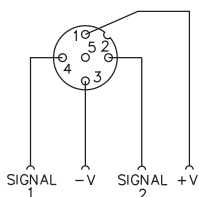
(No LED Version)
1 Signal Per Port



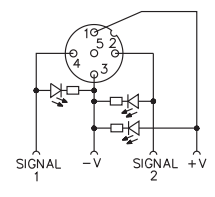
(PNP LED Version)
1 Signal Per Port



(No LED Version)
2 Signals Per Port



(PNP LED Version)
2 Signals Per Port

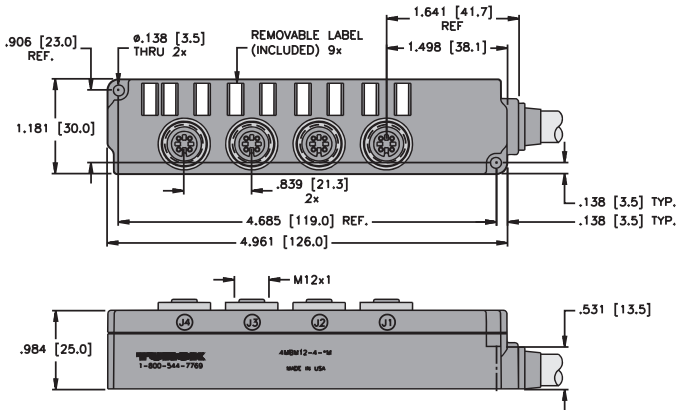


Specifications

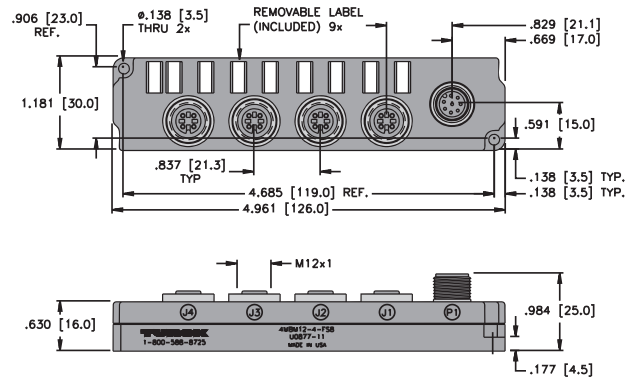
- Housing:** Nylon
- Connectors:** TPU (M12), PETP (M16)
- Contacts:** Gold plated brass.
- Thread Inserts:** Nickel plated brass or stainless steel
- Cable:** See table
- Temperature:** -30°C to +80°C (-22°F to +176°F)
- Protection:** IEC IP67
- Accessories:** KS 5/10 labels
- Cable Length:** Standard length is nominal 5 meters. Other lengths available by request - Consult factory
- Recommended Splitter:** YB2-FSM 4.5/2FKM 4.5

Dimensions

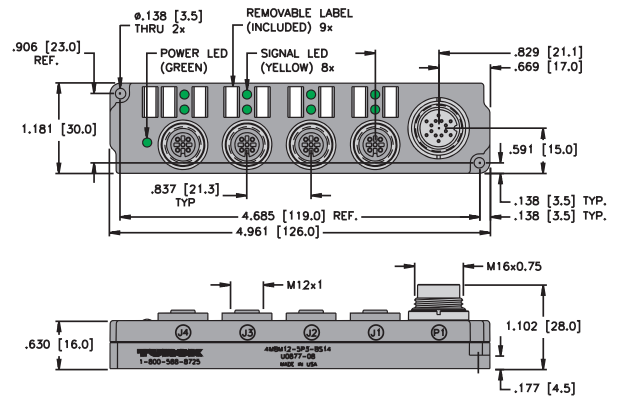
4-Port with Integral Home Run Cable



4-Port with eurofast Home Run Connector



4-Port with versafast Home Run Connector



Pinout

Female	Female	Male	Male
4-Pin eurofast	5-Pin eurofast	8-Pin eurofast	14-Pin versafast

Multibox, eurofast



multibox® eurofast® Low Profile Junction Boxes, 4-Port

Single Input/ Output per port
 Rugged Plastic Housing
 Available with or without LEDs

M23 Quick Disconnect or Integral
 Home Run Cable
 Threaded M12 Connection

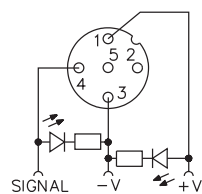
4-port, 1 Signal Per Port, 10-30 VDC

Application	Specifications	Pinout				No LEDs	PNP LED	NPN
4-port J-box 1 signal per port, Integral cable	2 A/signal, 10 A total Yellow PVC cable 7/18 AWG foil shield and 20 AWG drain	<u>Function</u> +V - V Ground	<u>Color</u> BN BU GN / YE	<u>Function</u> Port 1 Port 2 Port 3 Port 4	<u>Color</u> WH GN YE GY	4MB12Z-4-*	4MB12Z-4P2-*	4MB12Z-4N2-*
4-port J-box 1 signal per port, multifast front connector	2 A/signal, 9 A total 12-pin multifast ® connector 7 conductors Mates with CKCM 12-7-*	<u>Function</u> +V - V Ground	<u>Pin / Color</u> 11/BN 10/BU 12 / GN/YE	<u>Function</u> Port 1 Port 2 Port 3 Port 4	<u>Pin / Color</u> 1 / WH 2 / GN 3 / YE 4 / GY	4MB12Z-4-CS12	4MB12Z-4P2-CS12	4MB12Z-4N2-CS12
4-port J-box 1 signal per port, multifast side exit connector	2 A/signal, 9 A total 12-pin multifast ® connector 7 conductors Mates with CKCM 12-7-*	<u>Function</u> +V - V Ground	<u>Pin / Color</u> 11/BN 10/BU 12 / GN/YE	<u>Function</u> Port 1 Port 2 Port 3 Port 4	<u>Pin / Color</u> 1 / WH 2 / GN 3 / YE 4 / GY	4MB12Z-4-CS12H	4MB12Z-4P2-CS12H	4MB12Z-4N2-CS12H

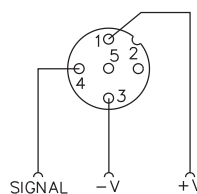
* Cable length in meters.

Functional Wiring Diagrams

**(PNP LED Version)
1 Signal Per Port**



**(No LED Version)
1 Signal Per Port**

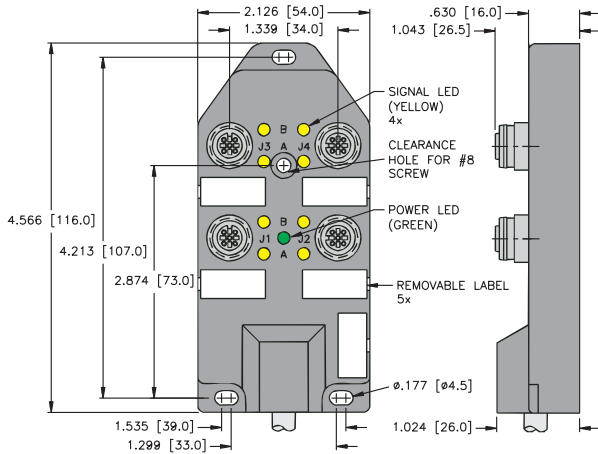


Specifications

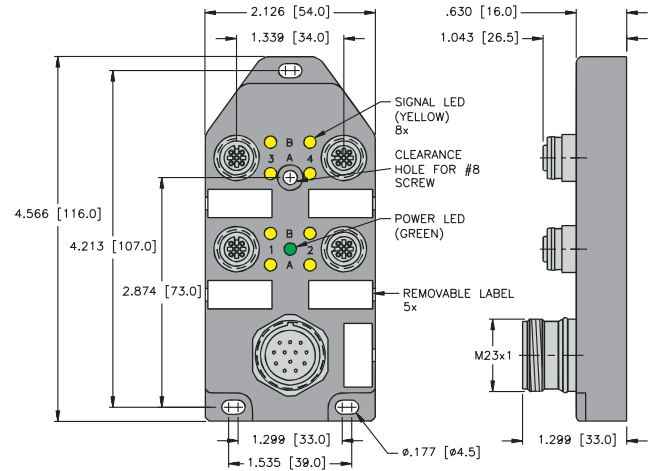
- Housing:** Nylon
- Connectors:** **eurofast**: Nylon or TPU
- Contacts:** Gold plated brass
- Thread Inserts:** Nickel plated brass
- Cable:** See table
- Temperature:** -30°C to +80°C (-22°F to +176°F)
- Protection:** IEC IP67
- Accessories:** (2) VZ 3 closure caps and a VZ 12 label kit (5 labels) included
- Cable Length:** Standard length is nominal 5 meters. Other lengths available by request - Consult factory

Dimensions

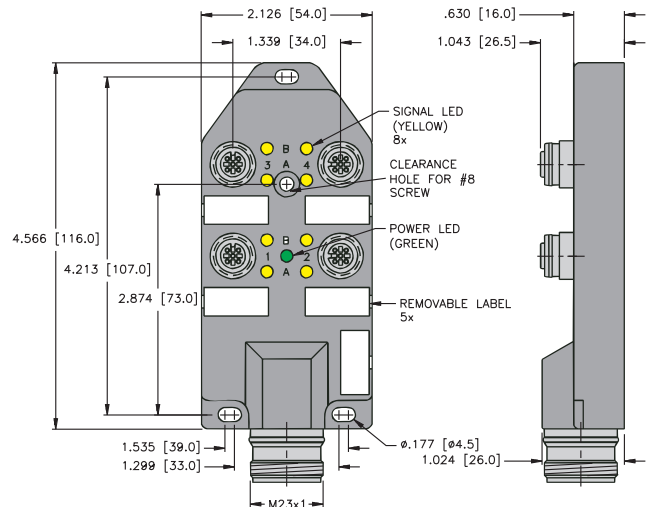
4-Port with Integral Home Run Cable



4-Port Quick Disconnect



4-Port Side Connector



Pinout

Female	Male
5-Pin eurofast	12-Pin multifast

Multibox, eurofast



multibox® eurofast® Low Profile Junction Boxes, 4-Port

Single Input/Output per port
Rugged Plastic Housing
Available with or without LEDs

minifast® Quick Disconnect or Integral Home Run Cable with *minifast* Connector
Threaded M12 Connection

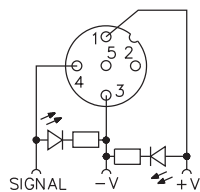
4-port, 1 Signal Per Port, 10-30 VDC

Application	Specifications	Pinout				No LEDs	PNP LEDs	NPN LEDs
4-port J-box 1 signal per port, integral cable with <i>minifast</i> connector	2 A/signal, 7 A total 12-pin <i>minifast</i> connector 7 conductors Mates with RKM 126-*M	<u>Function</u> +V - V Ground	<u>Pin / Color</u> 10 / RD 11 / WH 9 / GN	<u>Function</u> Port 1 Port 2 Port 3 Port 4	<u>Pin / Color</u> 1 / OG 2 / BU 3 / WH/BK 4 / RD/BK	4MB12Z-4-*-RSM 120	4MB12Z-4P2-*-RSM 120	4MB12Z-4N2-*-RSM 120
4-port J-box 1 signal per port, <i>minifast</i> connector	2 A/signal, 7 A total 12-pin <i>minifast</i> connector 7 conductors Mates with RKM 126-*M	<u>Function</u> +V - V Ground	<u>Pin / Color</u> 10 / RD 11 / WH 9 / GN	<u>Function</u> Port 1 Port 2 Port 3 Port 4	<u>Pin / Color</u> 1 / OG 2 / BU 3 / WH/BK 4 / RD/BK	4MB12Z-4-RSF120	4MB12Z-4P2-RSF120	- - - - -

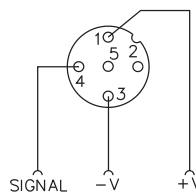
* Cable length in meters.

Functional Wiring Diagrams

**(PNP LED Version)
1 Signal Per Port**



**(No LED Version)
1 Signal Per Port**

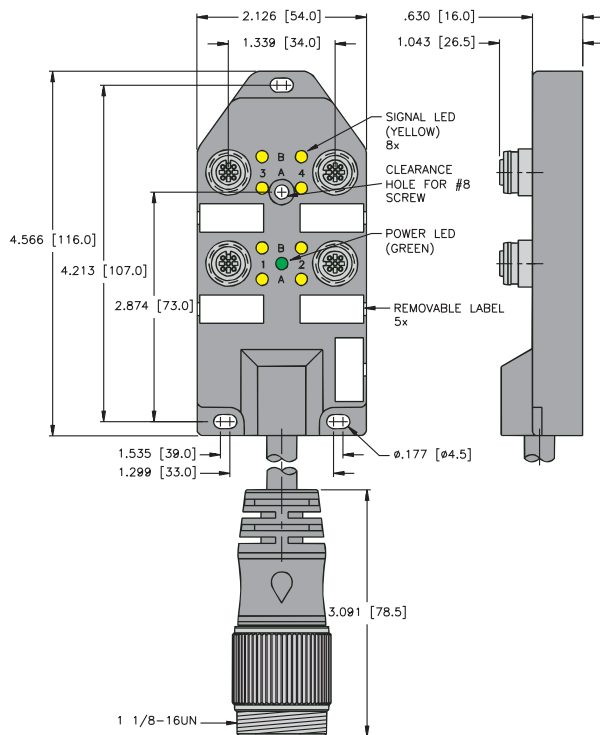


Specifications

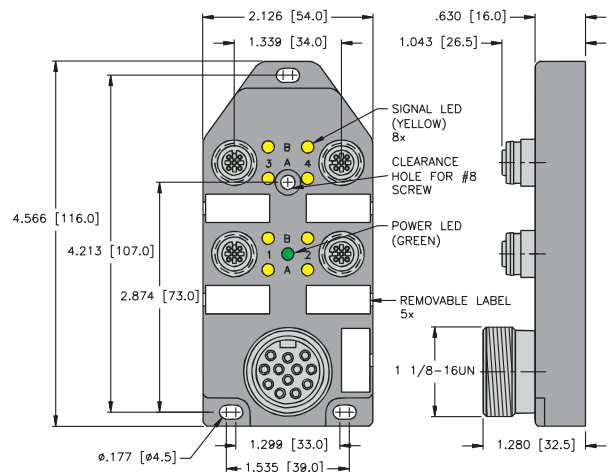
Housing:	Nylon
Connectors:	eurofast : Nylon or TPU
Contacts:	Gold plated brass
Thread Inserts:	Nickel plated brass
Cable:	See table
Temperature:	-30°C to +80°C (-22°F to +176°F)
Protection:	IEC IP67
Accessories:	(2) VZ 3 closure caps and a VZ 12 label kit (5 labels) included
Cable Length:	Standard length is nominal 5 meters. Other lengths available by request - Consult factory

Dimensions

4-Port, Integral Home Run with *minifast*® Connector



4-Port, *minifast* Quick Disconnect



Pinout

Female	Male
5-Pin eurofast	12-Pin minifast



multibox® eurofast® Low Profile Junction Boxes, 4-Port

Dual Input/Output per port
Rugged Plastic Housing
Available with or without LEDs

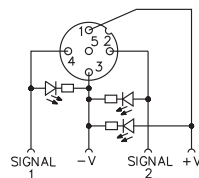
M23 Quick Disconnect or Integral Home Run Cable
Threaded M12 Connection

4-port, 2 Signals Per Port, 10-30 VDC

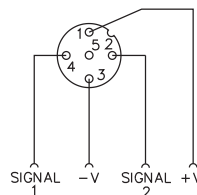
Application	Specifications	Pinout				No LEDs	PNP LED	NPN
4-port J-box 2 signals per port Integral cable	2 A/signal, 10 A total Yellow PVC cable 3/18 AWG, 8/22 AWG foil shield and 20 AWG drain	<u>Function</u> +V - V Ground Port 1, Sig 1 Port 1, Sig 2	<u>Color</u> BN BU GN / YE WH GY / PK	<u>Function</u> Port 2, Sig 1 Port 2, Sig 2 Port 3, Sig 1 Port 3, Sig 2 Port 4, Sig 1 Port 4, Sig 2	<u>Color</u> GN RD / BU YE WH / GN GY BN / GN	4MB12Z-5-*	4MB12Z-5P3-*	4MB12Z-5N3-*
4-port J-box 2 signals per port multifast connector	2 A/signal, 9 A total 19-pin multifast connector 11 conductors Mates with CKM 19-11-*	<u>Function</u> +V - V Ground Port 1, Sig 1 Port 1, Sig 2	<u>Pin / Color</u> 19 / BN 6 / BU 12 / GN / YE 15 / WH 7 / GY / PK	<u>Function</u> Port 2, Sig 1 Port 2, Sig 2 Port 3, Sig 1 Port 3, Sig 2 Port 4, Sig 1 Port 4, Sig 2	<u>Pin / Color</u> 5 / GN 4 / RD / BU 16 / YE 8 / WH / GN 3 / GY 14 / BN / GN	4MB12Z-5-CS19	4MB12Z-5P3-CS19	4MB12Z-5N3-CS19
4-port J-box 2 signals per port multifast , side exit connector	2 A/signal, 9 A total 19-pin multifast connector 11 conductors Mates with CKM 19-11-*	<u>Function</u> +V - V Ground Port 1, Sig 1 Port 1, Sig 2	<u>Pin / Color</u> 19 / Bn 6 / Bu 12 / GN / YE 15 / WH 7 / Gy / Pk	<u>Function</u> Port 2, Sig 1 Port 2, Sig 2 Port 3, Sig 1 Port 3, Sig 2 Port 4, Sig 1 Port 4, Sig 2	<u>Pin / Color</u> 5 / GN 4 / Rd / Bu 16 / YE 8 / WH / GN 3 / Gy 14 / Bn / Gn	4MB12Z-5-CS19H	4MB12Z-5P3-CS19H	4MB12Z-5N3-CS19H

Functional Wiring Diagrams

**(PNP LED Version)
2 Signals Per Port**



**(No LED Version)
2 Signals Per Port**

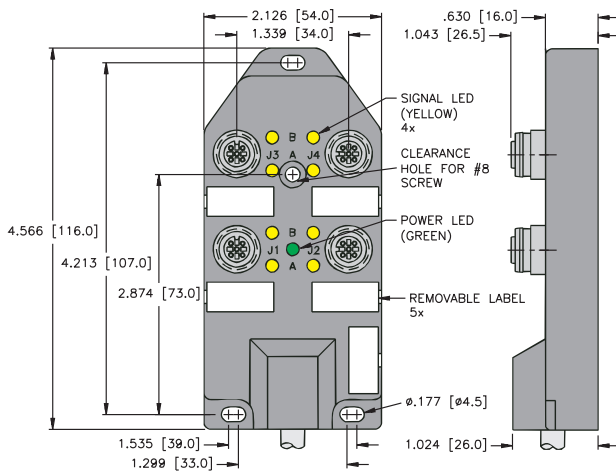


Specifications

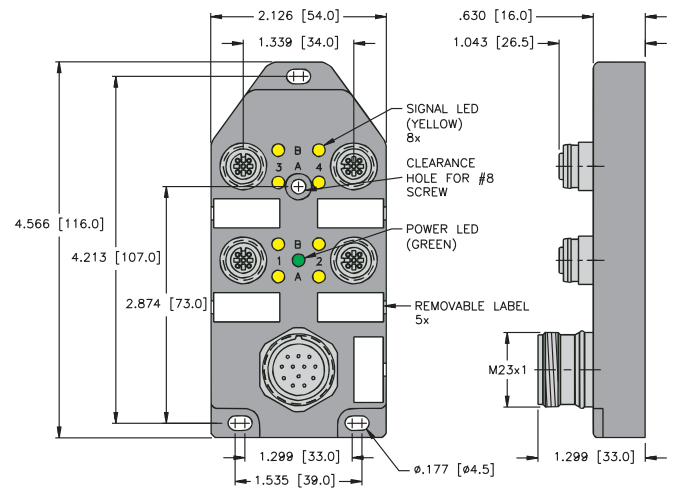
- Housing:** Nylon
- Connectors:** **euromast**: Nylon or TPU
- Contacts:** Gold plated brass
- Thread Inserts:** Nickel plated brass
- Cable:** See table
- Temperature:** -30°C to +80°C (-22°F to +176°F)
- Protection:** IEC IP67
- Accessories:** (2) VZ 3 closure caps and a VZ 12 label kit (5 labels) included
- Cable Length:** Standard length is nominal 5 meters. Other lengths available by request - Consult factory
- Recommended Splitters:** YB2-FSM 4.5-2 FKM 4.5

Dimensions

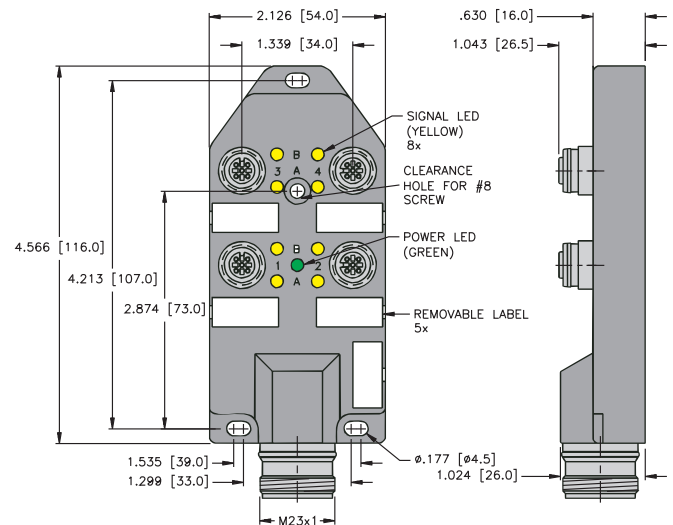
4-Port with Integral Home Run Cable



4-Port Quick Disconnect



4-Port Side Connector



Pinout

Female	Male
5-Pin euromast	19-Pin multifast

Multibox, euromast



multibox® eurofast® Low Profile Junction Boxes, 8-Port

Single Input/Output per Port
Rugged Plastic Housing
Available with or without LEDs

M23 Quick Disconnect or Integral Home Run Cable
Threaded M12 Connection

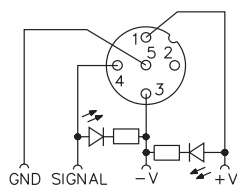
8-port, 1 Signal Per Port, 10-30 VDC

Application	Specifications	Pinout		No LEDs	PNP LED	NPN LED	
8-port J-box 1 signal per port Integral cable	2 A/signal, 10 A total Yellow PVC cable 11/18 AWG, foil shield and 20 AWG drain with PUR cable, add /S90	Function +V - V Ground Port 1 Port 2 Port 3	Color BN BU GN / YE WH GN YE	Function Port 4 Port 5 Port 6 Port 7 Port 8	Color GY PK RD BK VT	8MB12Z-4-*	8MB12Z-4P2-* 8MB12Z-4N2-*
8-port J-box 1 signal per port multifast connector	2 A/signal, 9 A total 12-pin multifast connector 11 conductors Mates with CKCM 12-11-*	Function +V - V Ground Port 1 Port 2 Port 3	Pin / Color 11 / BN 10 / BU 12 / GN / YE 1 / WH 2 / GN 3 / YE	Function Port 4 Port 5 Port 6 Port 7 Port 8	Pin / Color 4 / GY 5 / PK 6 / RD 7 / BK 8 / VT	8MB12Z-4-CS12	8MB12Z-4P2-CS12 8MB12Z-4N2-CS12
8-port J-box 1 signal per port multifast , side exit connector	2 A/signal, 9 A total 12-pin multifast connector 11 conductors Mates with CKCM 12-11-*	Function +V - V Ground Port 1 Port 2 Port 3	Pin / Color 11 / BN 10 / BU 12 / GN / YE 1 / WH 2 / GN 3 / YE	Function Port 4 Port 5 Port 6 Port 7 Port 8	Pin / Color 4 / GY 5 / PK 6 / RD 7 / BK 8 / VT	8MB12Z-4-CS12H	8MB12Z-4P2-CS12H 8MB12Z-4N2-CS12H

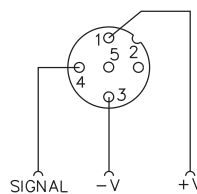
* Cable length in meters.

Functional Wiring Diagrams

**(PNP LED Version)
1 Signal Per Port**



**(No LED Version)
1 Signal Per Port**

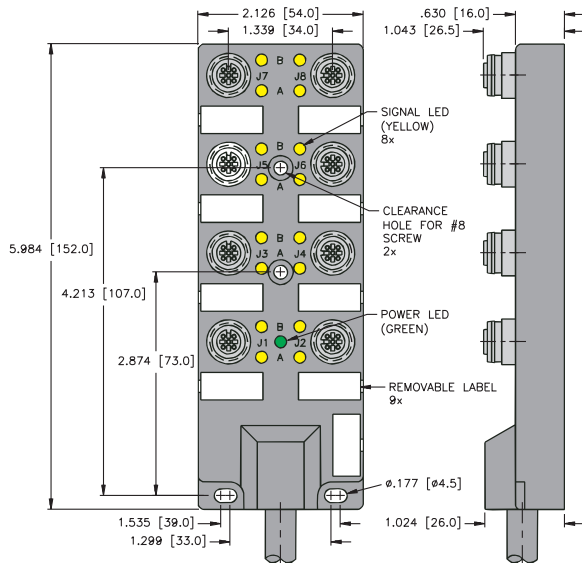


Specifications

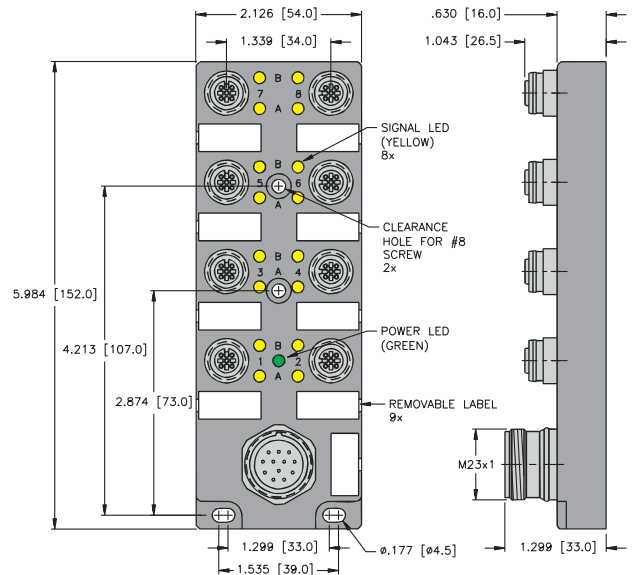
- Housing:** Nylon
- Connectors:** **eurofast**: Nylon or TPU
- Contacts:** Gold plated brass
- Thread Inserts:** Nickel plated brass
- Cable:** See table
- Temperature:** -30°C to +80°C (-22°F to +176°F)
- Protection:** IEC IP67
- Accessories:** (2) VZ 3 closure caps and a VZ 12 label kit (9 labels), included
- Cable Length:** Standard length is nominal 5 meters. Other lengths available by request - Consult factory

Dimensions

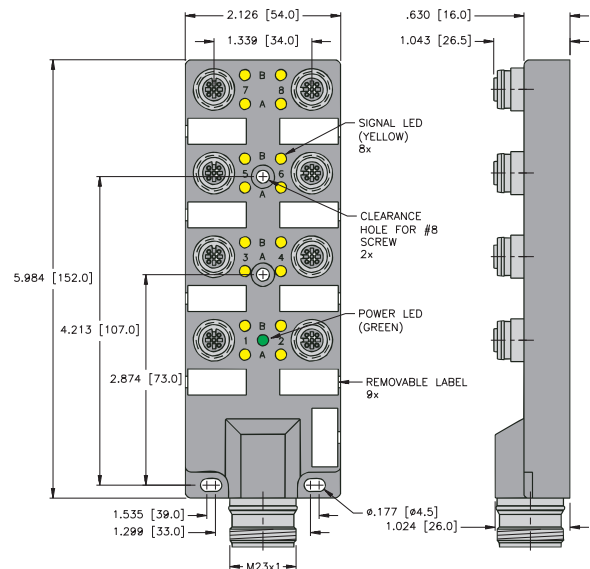
8-Port with Integral Home Run Cable



8-Port Quick Disconnect



8-Port with Side Connector



Pinout

Female	Male
5-Pin eurofast	12-pin multifast

Multibox, eurofast



multibox[®] eurofast[®] Low Profile Junction Boxes, 8-Port

Single Input/Output per Port
Rugged Plastic Housing
Available with or without LEDs

minifast[®] Quick Disconnect or Integral Home Run Cable with minifast connector
Threaded M12 Connection

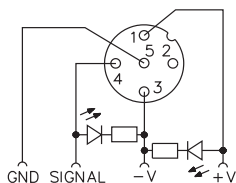
8-port, 1 Signal Per Port, 10-30 VDC

Application	Specifications	Pinout				No LEDs	PNP LEDs	NPN LEDs
8-port J-box 1 signal per port minifast connector	2 A/signal, 7 A total 12-pin minifast connector 11 conductors Mates with RKM 126-*M	Function +V -V Ground Port 1 Port 2 Port 3	Pin / Color 10 / RD 11 / WH 9 / GN 1 / OG 2 / BU 3 / WH/BK	Function Port 4 Port 5 Port 6 Port 7 Port 8	Pin / Color 4 / RD/BK 5 / GN/BK 6 / OG/BK 7 / BU/BK 8 / BK/WH	8MB12Z-4-*-RSM120	8MB12Z-4P2-*-RSM120	8MB12Z-4N2-*-RSM120
8-port J-box 1 signal per port minifast connector	2 A/signal, 7 A total 12-pin minifast connector 11 conductors Mates with RKM 126-*M	Function +V -V Ground Port 1 Port 2 Port 3	Pin / Color 10 / RD 11 / WH 9 / GN 1 / OG 2 / BU 3 / WH/BK	Function Port 4 Port 5 Port 6 Port 7 Port 8	Pin / Color 4 / RD/BK 5 / GN/BK 6 / OG/BK 7 / BU/BK 8 / BK/WH	8MB12Z-4-RSF120	8MB12Z-4P2-RSF120	8MB12Z-4N2-RSF120

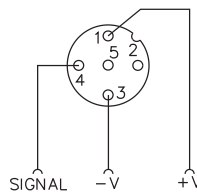
* Cable length in meters.

Functional Wiring Diagrams

**(PNP LED Version)
1 Signal Per Port**



**(No LED Version)
1 Signal Per Port**

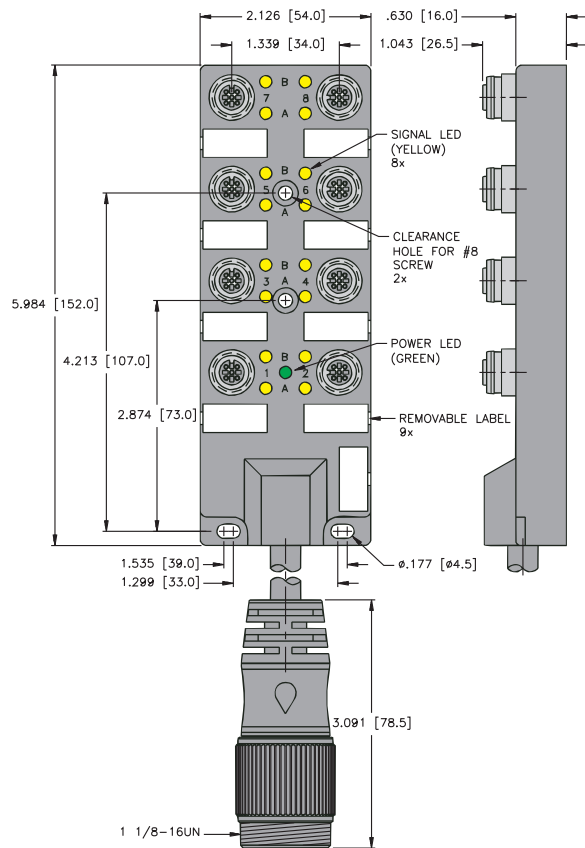


Specifications

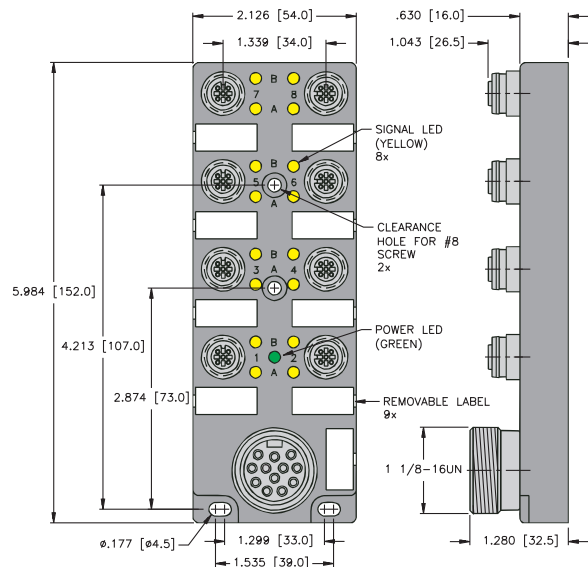
Housing:	Nylon
Connectors:	euromast : Nylon or TPU
Contacts:	Gold plated brass
Thread Inserts:	Nickel plated brass
Cable:	See table
Temperature:	-30°C to +80°C (-22°F to +176°F)
Protection:	IEC IP67
Accessories:	(2) VZ 3 closure caps and a VZ 1 label kit (8 labels), included
Cable Length:	Standard length is nominal 5 meters. Other lengths available by request - Consult factory

Dimensions

8-Port Integral Home Run with *minifast*® Connector



8-Port *minifast* Quick Disconnect



Pinout

Female	Male
5-Pin euromast	12-pin minifast



multibox® *eurofast*® Low Profile Junction Boxes 8-Port

Dual Input/Output per Port
Rugged Plastic Housing
Available with or without LEDs

M23 Quick Disconnect or Integral Home Run Cable
Threaded M12 Connection

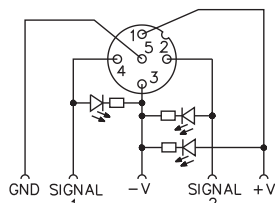
8-port, 2 Signals Per Port, 10-30 VDC

Application	Specifications	Pinout				No LEDs	PNP LED	NPN LED
8-port J-box 2 signals per port Integral cable	2 A/signal, 10 A total Yellow PVC cable 3x18 AWG, 16x22 AWG, foil shield and 20 AWG drain	<u>Function</u> +V -V Ground Port 1, Sig 1 Port 1, Sig 2 Port 2, Sig 1 Port 2, Sig 2 Port 3, Sig 1 Port 3, Sig 2	<u>Color</u> BN BU GN / YE WH GY / PK GN RD / BU YE WH / GN	<u>Function</u> Port 4, Sig 1 Port 4, Sig 2 Port 5, Sig 1 Port 5, Sig 2 Port 6, Sig 1 Port 6, Sig 2 Port 7, Sig 1 Port 7, Sig 2 Port 8, Sig 1 Port 8, Sig 2	<u>Color</u> GY BN / GN PK WH / YE RD YE / BN BK WH / GY VT GY / BN	8MB12Z-5-*	8MB12Z-5P3-*	8MB12Z-5N3-*
8-port J-box 2 signals per port multifast connector	2 A/signal, 9 A total 19-pin multifast connector 19 conductors Mates with CKM 19-19-*	<u>Function</u> +V -V Ground Port 1, Sig 1 Port 1, Sig 2 Port 2, Sig 1 Port 2, Sig 2 Port 3, Sig 1 Port 3, Sig 2	<u>Pin / Color</u> 19 / BN 6 / BU 12 / GN / YE 15 / WH 7 / GY / PK 5 / GN 4 / RD / BU 16 / YE 8 / WH / GN	<u>Function</u> Port 4, Sig 1 Port 4, Sig 2 Port 5, Sig 1 Port 5, Sig 2 Port 6, Sig 1 Port 6, Sig 2 Port 7, Sig 1 Port 7, Sig 2 Port 8, Sig 1 Port 8, Sig 2	<u>Pin / Color</u> 3 / GY 14 / BN / GN 17 / PK 9 / WH / YE 2 / RD 13 / YE / BN 11 / BK 10 / WH / GY 1 / VT 18 / GY / BN	8MB12Z-5-CS19	8MB12Z-5P3-CS19	8MB12Z-5N3-CS19
8-port J-box 2 signals per port multifast , side exit connector	2 A/signal, 9 A total 19-pin multifast connector 19 conductors Mates with CKM 19-19-*	<u>Function</u> +V -V Ground Port 1, Sig 1 Port 1, Sig 2 Port 2, Sig 1 Port 2, Sig 2 Port 3, Sig 1 Port 3, Sig 2	<u>Pin / Color</u> 19 / BN 6 / BU 12 / GN / YE 15 / WH 7 / GY / PK 5 / GN 4 / RD / BU 16 / YE 8 / WH / GN	<u>Function</u> Port 4, Sig 1 Port 4, Sig 2 Port 5, Sig 1 Port 5, Sig 2 Port 6, Sig 1 Port 6, Sig 2 Port 7, Sig 1 Port 7, Sig 2 Port 8, Sig 1 Port 8, Sig 2	<u>Pin / Color</u> 3 / GY 14 / BN / GN 17 / PK 9 / WH / YE 2 / RD 13 / YE / BN 11 / BK 10 / WH / GY 1 / VT 18 / GY / BN	8MB12Z-5-CS19H	8MB12Z-5P3-CS19H	8MB12Z-5N3-CS19H

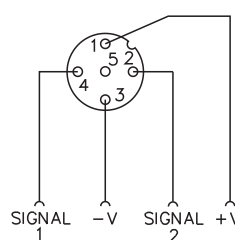
* Cable length in meters.

Functional Wiring Diagrams

**(PNP LED Version)
2 Signals Per Port**



**(No LED Version)
2 Signals Per Port**

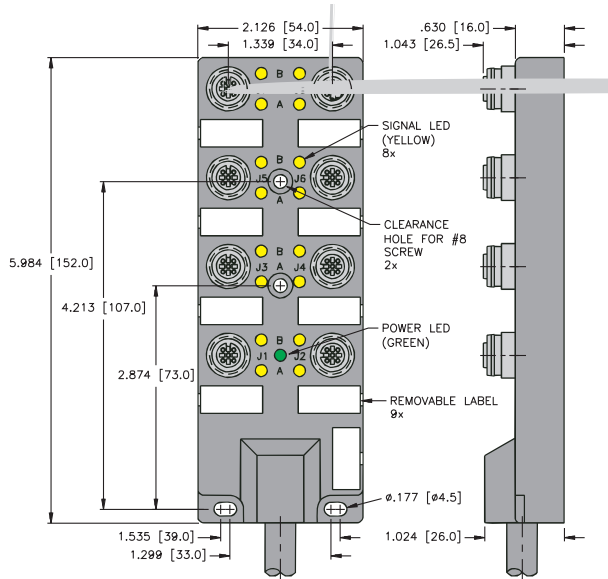


Specifications

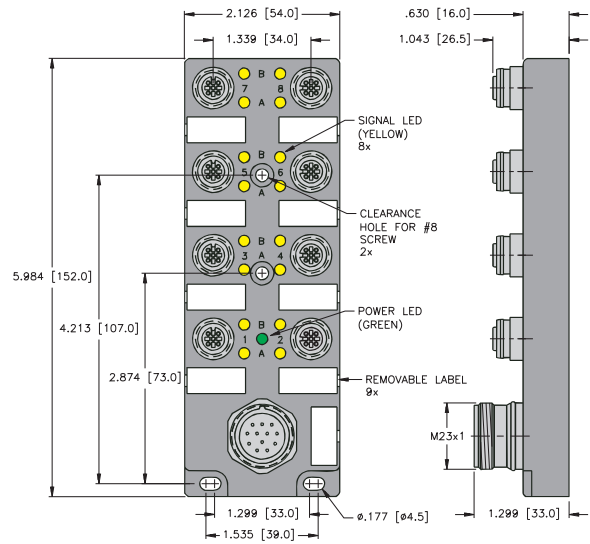
- Housing:** Nylon
- Connectors:** **eurofast**: Nylon or TPU
- Contacts:** Gold plated brass
- Thread Inserts:** Nickel plated brass
- Cable:** See table
- Temperature:** -30°C to +80°C (-22°F to +176°F)
- Protection:** IEC IP67
- Accessories:** (2) VZ 3 closure caps and a VZ 12 label kit (9 labels), included
- Cable Length:** Standard length is nominal 5 meters. Other lengths available by request - Consult factory
- Recommended Splitter:** YB2-FSM 4.5-2FKM 4.5

Dimensions

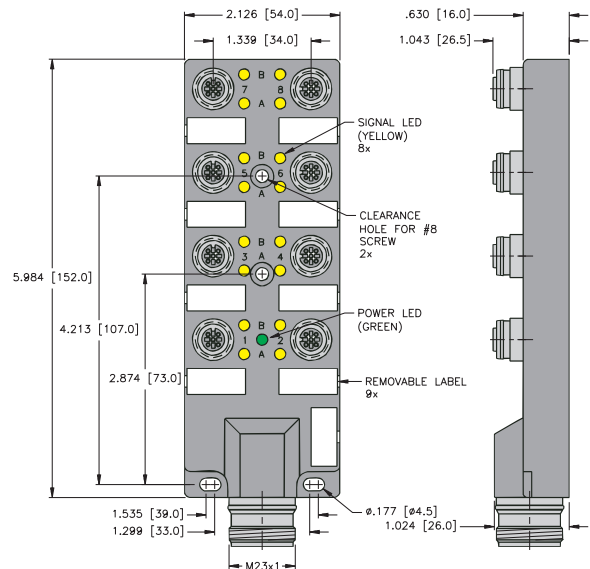
8-Port with Integral Home Run Cable



8-Port Quick Disconnect

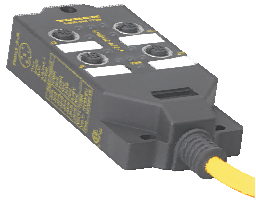


8-Port Side Connector



Pinout

Female	Male
5-Pin eurofast	19-Pin multifast



multibox® eurofast®, Junction Boxes, 4-port Stainless Steel Connector Options

1 or 2 Signals Per Port
Rugged Plastic Housing with Flush Connectors
Available with LEDs

M23 Quick Disconnect or Integral Home Run Cable
Available with Stainless Steel Threaded Connections

4-port, 1 Signal Per Port, 10-48 VDC

Application	Specifications	Pinout	Part Number																				
4-port J-box 1 signal per port Integral cable	4 A/port, 9 A total Yellow PVC cable** 7x18 AWG foil shield and 20 AWG drain CSA Certified **with PUR cable, add /S90	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Color</u></td> <td><u>Function</u></td> <td><u>Color</u></td> </tr> <tr> <td>+V</td> <td>BN</td> <td>Port 1</td> <td>WH</td> </tr> <tr> <td>- V</td> <td>BU</td> <td>Port 2</td> <td>GN</td> </tr> <tr> <td>Ground</td> <td>GN / YE</td> <td>Port 3</td> <td>YE</td> </tr> <tr> <td></td> <td></td> <td>Port 4</td> <td>GY</td> </tr> </table>	<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>	+V	BN	Port 1	WH	- V	BU	Port 2	GN	Ground	GN / YE	Port 3	YE			Port 4	GY	4MBV12-4P2-*
<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>																				
+V	BN	Port 1	WH																				
- V	BU	Port 2	GN																				
Ground	GN / YE	Port 3	YE																				
		Port 4	GY																				
4-port J-box 1 signal per port multifast connector	4 A/port, 8 A total 12-pin multifast connector 7 conductors Mates with CKCMV 12-7-* CSA Certified	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Pin / Color</u></td> <td><u>Function</u></td> <td><u>Pin / Color</u></td> </tr> <tr> <td>+V</td> <td>11 / BN</td> <td>Port 1</td> <td>1 / WH</td> </tr> <tr> <td>- V</td> <td>10 / BU</td> <td>Port 2</td> <td>2 / GN</td> </tr> <tr> <td>Ground</td> <td>12 / GN / YE</td> <td>Port 3</td> <td>3 / YE</td> </tr> <tr> <td></td> <td></td> <td>Port 4</td> <td>4 / GY</td> </tr> </table>	<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>	+V	11 / BN	Port 1	1 / WH	- V	10 / BU	Port 2	2 / GN	Ground	12 / GN / YE	Port 3	3 / YE			Port 4	4 / GY	4MBV12-4P2-CSV12
<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>																				
+V	11 / BN	Port 1	1 / WH																				
- V	10 / BU	Port 2	2 / GN																				
Ground	12 / GN / YE	Port 3	3 / YE																				
		Port 4	4 / GY																				

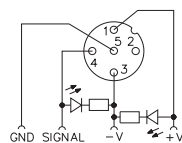
4-port, 2 Signal Per Port, 10-48 VDC

Application	Specifications	Pinout	Part Number																												
4-port J-box 2 signals per port Integral cable	4 A/port, 9 A total Yellow PVC cable** 3x18 AWG, 8x22 AWG foil shield and 20 AWG drain CSA Certified **with PUR cable, add /S90	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Color</u></td> <td><u>Function</u></td> <td><u>Color</u></td> </tr> <tr> <td>+V</td> <td>BN</td> <td>Port 2, Sig 1</td> <td>GN</td> </tr> <tr> <td>- V</td> <td>BU</td> <td>Port 2, Sig 2</td> <td>RD / BU</td> </tr> <tr> <td>Ground</td> <td>GN/YE</td> <td>Port 3, Sig 1</td> <td>YE</td> </tr> <tr> <td>Port 1, Sig 1</td> <td>WH</td> <td>Port 3, Sig 2</td> <td>WH / GN</td> </tr> <tr> <td>Port 1, Sig 2</td> <td>GY / PK</td> <td>Port 4, Sig 1</td> <td>GY</td> </tr> <tr> <td></td> <td></td> <td>Port 4, Sig 2</td> <td>BN / GN</td> </tr> </table>	<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>	+V	BN	Port 2, Sig 1	GN	- V	BU	Port 2, Sig 2	RD / BU	Ground	GN/YE	Port 3, Sig 1	YE	Port 1, Sig 1	WH	Port 3, Sig 2	WH / GN	Port 1, Sig 2	GY / PK	Port 4, Sig 1	GY			Port 4, Sig 2	BN / GN	4MBV12-5P3-*
<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>																												
+V	BN	Port 2, Sig 1	GN																												
- V	BU	Port 2, Sig 2	RD / BU																												
Ground	GN/YE	Port 3, Sig 1	YE																												
Port 1, Sig 1	WH	Port 3, Sig 2	WH / GN																												
Port 1, Sig 2	GY / PK	Port 4, Sig 1	GY																												
		Port 4, Sig 2	BN / GN																												
4-port J-box 2 signals per port multifast connector	4 A/port, 8 A total 19-pin multifast connector 11 conductors Mates with CKMV 19-11-* CSA Certified	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Pin / Color</u></td> <td><u>Function</u></td> <td><u>Pin / Color</u></td> </tr> <tr> <td>+V</td> <td>19 / BN</td> <td>Port 2, Sig 1</td> <td>5 / GN</td> </tr> <tr> <td>- V</td> <td>6 / BU</td> <td>Port 2, Sig 2</td> <td>4 / RD / BU</td> </tr> <tr> <td>Ground</td> <td>12 / GN/YE</td> <td>Port 3, Sig 1</td> <td>16 / YE</td> </tr> <tr> <td>Port 1, Sig 1</td> <td>15 / WH</td> <td>Port 3, Sig 2</td> <td>8 / WH / GN</td> </tr> <tr> <td>Port 1, Sig 2</td> <td>7 / GY/PK</td> <td>Port 4, Sig 1</td> <td>3 / GY</td> </tr> <tr> <td></td> <td></td> <td>Port 4, Sig 2</td> <td>14 / BN / GN</td> </tr> </table>	<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>	+V	19 / BN	Port 2, Sig 1	5 / GN	- V	6 / BU	Port 2, Sig 2	4 / RD / BU	Ground	12 / GN/YE	Port 3, Sig 1	16 / YE	Port 1, Sig 1	15 / WH	Port 3, Sig 2	8 / WH / GN	Port 1, Sig 2	7 / GY/PK	Port 4, Sig 1	3 / GY			Port 4, Sig 2	14 / BN / GN	4MBV12-5P3-CSV19
<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>																												
+V	19 / BN	Port 2, Sig 1	5 / GN																												
- V	6 / BU	Port 2, Sig 2	4 / RD / BU																												
Ground	12 / GN/YE	Port 3, Sig 1	16 / YE																												
Port 1, Sig 1	15 / WH	Port 3, Sig 2	8 / WH / GN																												
Port 1, Sig 2	7 / GY/PK	Port 4, Sig 1	3 / GY																												
		Port 4, Sig 2	14 / BN / GN																												

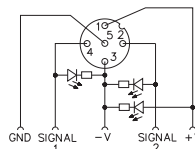
* Cable length in meters.

Functional Wiring Diagrams

(PNP LED Version)
1 Signal Per Port



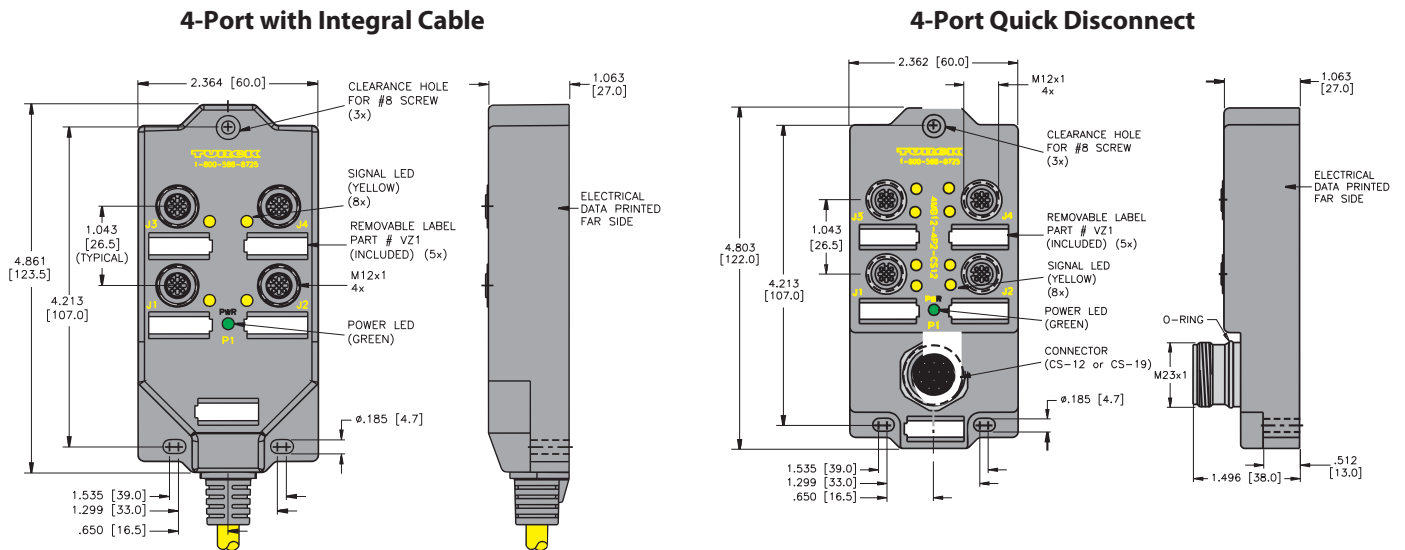
(PNP LED Version)
2 Signals Per Port



Specifications

- Housing:** Nylon
- Connectors:** **eurofast**: Nylon or TPU
- Contacts:** Gold plated brass
- Thread Inserts:** Stainless steel
- Cable:** See table
- Temperature:** -30°C to +80°C (-22°F to +176°F)
- Protection:** IEC IP67
- Accessories:** (2) VZ 3 closure caps and a VZ 1 label kit (8 labels) included
- Cable Length:** Standard length is nominal 5 meters. Other lengths available by request - Consult factory
- Recommended Splitter:** YB2-FSM 4.5-2 FKM 4.5

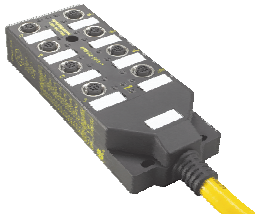
Dimensions



Multibox, eurofast

Pinout

Female	Male	
5-Pin eurofast	12-Pin multifast	19-Pin multifast



multibox® eurofast® 8-port Junction Boxes, Stainless Steel Connector Options

1 or 2 Signals Per Port
Rugged Plastic Housing with Flush Connectors
Available with LEDs

M23 Quick Disconnect or Integral Home Run Cable
Available with Stainless Steel Threaded Connections

8-port, 1 Signal Per Port, 10-48 VDC

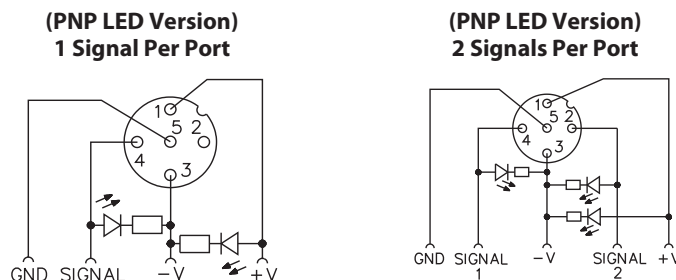
Application	Specifications	Pinout		Part Number
8-port J-box 1 signal per port Integral cable	4 A/port, 9 A total Yellow PVC cable** 11x18 AWG, foil shield and 20 AWG drain CSA Certified **with PUR cable, add /S90	Function	Color	8MBV12-4P2-*
		+V	BN	
		- V	BU	
		Ground	GN/YE	
		Port 1	WH	
		Port 2	GN	
		Port 3	YE	
		Port 4	GY	
		Port 5	PK	
		Port 6	RD	
		Port 7	BK	
		Port 8	VT	
8-port J-box 1 signal per port multifast connector	4 A/port, 8 A total 12-pin multifast connector 11 conductors Mates with CKCMV 12-11- CSA Certified	Function	Pin / Color	8MBV12-4P2-CSV12
		+V	11 / BN	
		- V	10 / BU	
		Ground	12 / GN / YE	
		Port 1	1 / WH	
		Port 2	2 / GN	
		Port 3	3 / YE	
		Port 4	4 / GY	
		Port 5	5 / PK	
		Port 6	6 / RD	
		Port 7	7 / BK	
		Port 8	8 / VT	

8-port, 2 Signal Per Port, 10-48 VDC

Application	Specifications	Pinout		Part Number
8-port J-box 2 signals per port Integral cable	4 A/port, 9 A total Yellow PVC cable** 3x18 AWG, 16x22 AWG, foil shield and 20 AWG drain CSA Certified **with PUR cable, add /S90	Function	Color	8MBV12-5P3-*
		+V	BN	
		- V	BU	
		Ground	GN / YE	
		Port 1, Sig 1	WH	
		Port 1, Sig 2	GY / PK	
		Port 2, Sig 1	GN	
		Port 2, Sig 2	RD / BU	
		Port 3, Sig 1	YE	
		Port 3, Sig 2	WH / GN	
		Port 4, Sig 1	GY	
		Port 4, Sig 2	BN / GN	
		Port 5, Sig 1	PK	
		Port 5, Sig 2	WH / YE	
		Port 6, Sig 1	RD	
		Port 6, Sig 2	YE / BN	
		Port 7, Sig 1	BN	
		Port 7, Sig 2	WH / GY	
		Port 8, Sig 1	VT	
		Port 8, Sig 2	GY / BN	
8-port J-box 2 signals per port multifast connector	4 A/port, 8 A total 19-pin multifast connector 19 conductors Mates with CKMV 19-19- CSA Certified	Function	Pin / Color	8MBV12-5P3-CSV19
		+V	19 / BN	
		- V	6 / BU	
		Ground	12 / GN/YE	
		Port 1, Sig 1	15 / WH	
		Port 1, Sig 2	7 / GY/PK	
		Port 2, Sig 1	5 / GN	
		Port 2, Sig 2	4 / RD/BU	
		Port 3, Sig 1	16 / YE	
		Port 3, Sig 2	8 / WH/GN	
		Port 4, Sig 1	3 / GY	
		Port 4, Sig 2	14 / BN / GN	
		Port 5, Sig 1	17 / PK	
		Port 5, Sig 2	9 / WH / YE	
		Port 6, Sig 1	2 / RD	
		Port 6, Sig 2	13 / YE / BN	
		Port 7, Sig 1	11 / BK	
		Port 7, Sig 2	10 / WH/ GY	
		Port 8, Sig 1	1 / VT	
		Port 8, Sig 2	18 / GY / BN	

* Cable length in meters.

Functional Wiring Diagrams

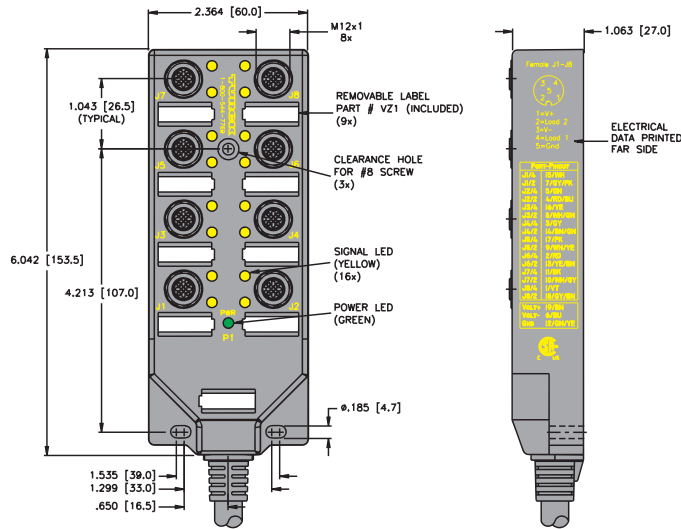


Specifications

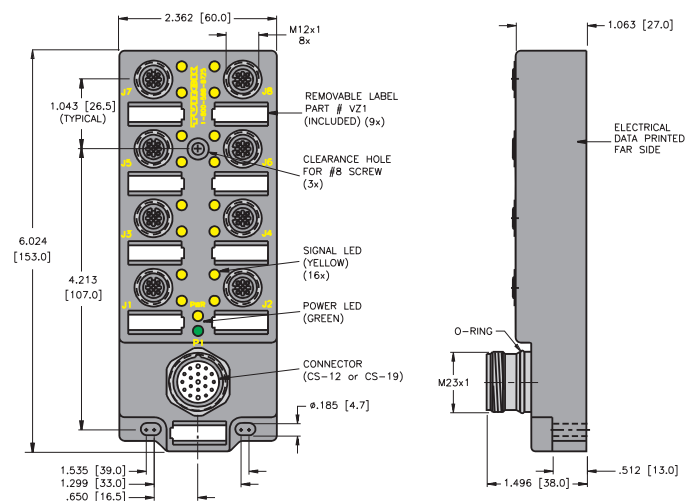
- Housing:** Nylon
- Connectors:** **eurofast**: Nylon or TPU
- Contacts:** Gold plated brass
- Thread Inserts:** Stainless steel
- Cable:** See table
- Temperature:** -30°C to +80°C (-22°F to +176°F)
- Protection:** IEC IP67
- Accessories:** (2) VZ 3 closure caps and a VZ 1 label kit (8 labels), included
- Cable Length:** Standard length is nominal 5 meters. Other lengths available by request - Consult factory
- Recommended Splitter:** YB2-FSM 4.5-2 FKM 4.5

Dimensions

8-Port Integral Cable

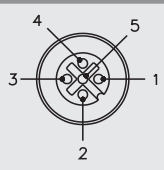
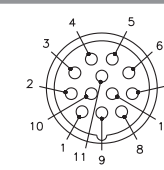
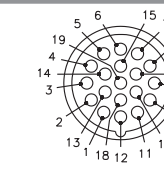


8-Port Quick Disconnect



Multibox, eurofast

Pinout

Female	Male	Male
		
5-Pin eurofast	12-Pin multifast	19-Pin multifast

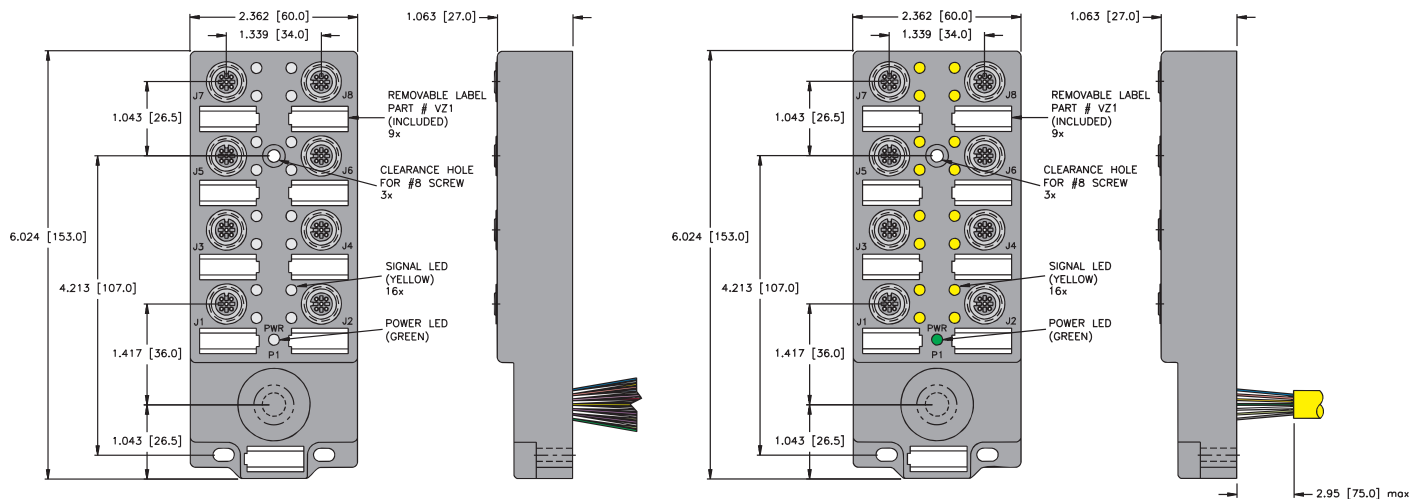
Specifications

- Housing:** Nylon
- Connectors:** **eurofast**™: Nylon or TPU
- Contacts:** Gold plated brass
- Thread Inserts:** Nickel plated brass
- Cable:** See table
- Temperature:** -30°C to +80°C (-22°F to +176°F)
- Protection:** IP67
- Accessories:** Includes (2) VZ 3 closure caps
- Recommended Splitter:** YB2-FSM 4.5-2 FKM 4.5
- Recommended Gasket:** Gasket, 8MB12, Neoprene (A9446)

Dimensions

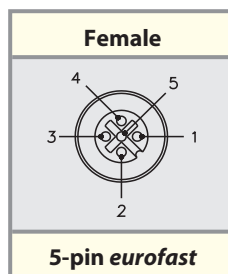
8MB12-5P3-*BL

8MB12-5P3-*B



Multibox, eurofast

Pinout





multibox® *eurofast*® Junction Boxes, NAMUR, 1 Circuit Per Port

4 Ports
Rugged Plastic Housing with Flush Connectors

M12 or M23 Quick Disconnect or Integral Home Run Cable
For use with NAMUR Sensors

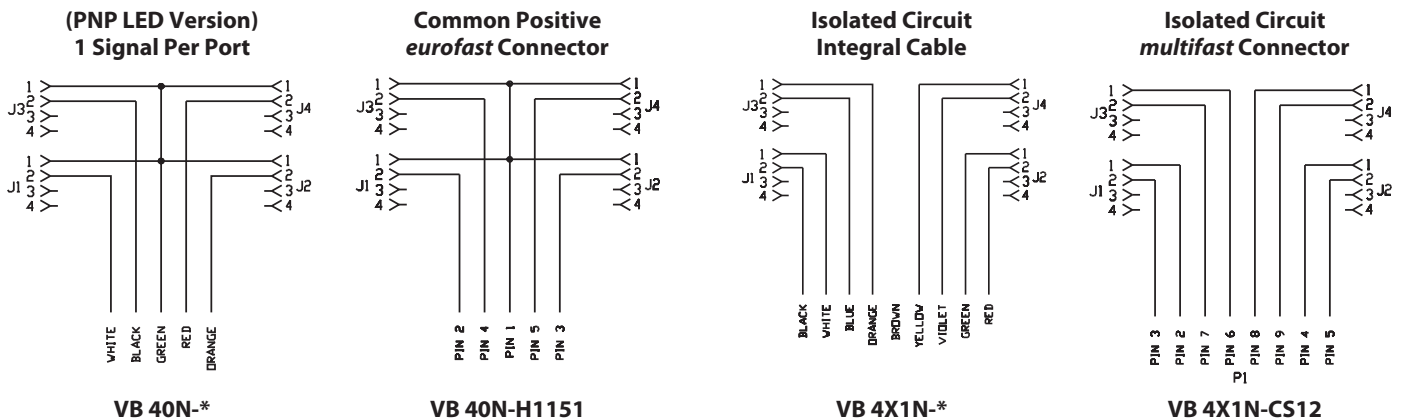
1 circuit per port, common positive, 100 VDC

Application	Specifications	Pinout	Part Number																				
4-port J-box 1 circuit per port Integral cable	4 A/port, 9 A total Blue PVC cable, PLTC 5x22 AWG	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Color</u></td> <td><u>Function</u></td> <td><u>Color</u></td> </tr> <tr> <td>+V</td> <td>GN</td> <td>J1/Pin 2</td> <td>WH</td> </tr> <tr> <td></td> <td></td> <td>J2/Pin 2</td> <td>OG</td> </tr> <tr> <td></td> <td></td> <td>J3/Pin 2</td> <td>BK</td> </tr> <tr> <td></td> <td></td> <td>J4/Pin 2</td> <td>RD</td> </tr> </table>	<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>	+V	GN	J1/Pin 2	WH			J2/Pin 2	OG			J3/Pin 2	BK			J4/Pin 2	RD	VB 40N-*
<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>																				
+V	GN	J1/Pin 2	WH																				
		J2/Pin 2	OG																				
		J3/Pin 2	BK																				
		J4/Pin 2	RD																				
4-port J-box 1 circuit per port eurofast connector	4 A/port, 4 A total 5-pin eurofast connector 5 conductors Mates with RKC� 5T-*	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Pin / Color</u></td> <td><u>Function</u></td> <td><u>Pin / Color</u></td> </tr> <tr> <td>+V</td> <td>1 / GN</td> <td>J1/Pin 2</td> <td>2 / WH</td> </tr> <tr> <td></td> <td></td> <td>J2/Pin 2</td> <td>3 / OG</td> </tr> <tr> <td></td> <td></td> <td>J3/Pin 2</td> <td>4 / BK</td> </tr> <tr> <td></td> <td></td> <td>J4/Pin 2</td> <td>5 / RD</td> </tr> </table>	<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>	+V	1 / GN	J1/Pin 2	2 / WH			J2/Pin 2	3 / OG			J3/Pin 2	4 / BK			J4/Pin 2	5 / RD	VB 40N-H1151
<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>																				
+V	1 / GN	J1/Pin 2	2 / WH																				
		J2/Pin 2	3 / OG																				
		J3/Pin 2	4 / BK																				
		J4/Pin 2	5 / RD																				

1 Circuit per port, isolated circuits, 100 VDC

Application	Specifications	Pinout	Part Number																								
4-port J-box 1 circuit per port Integral cable	4 A/port, 9 A total Blue PVC cable, PLTC 9x22 AWG	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Color</u></td> <td><u>Function</u></td> <td><u>Color</u></td> </tr> <tr> <td>J1/Pin 1</td> <td>WH</td> <td>J3/Pin 1</td> <td>OG</td> </tr> <tr> <td>J1/Pin 2</td> <td>BK</td> <td>J3/Pin 2</td> <td>BU</td> </tr> <tr> <td>J2/Pin 1</td> <td>GN</td> <td>J4/Pin 1</td> <td>YE</td> </tr> <tr> <td>J2/Pin 2</td> <td>RD</td> <td>J4/Pin 2</td> <td>VT</td> </tr> <tr> <td></td> <td>Brown not used</td> <td></td> <td></td> </tr> </table>	<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>	J1/Pin 1	WH	J3/Pin 1	OG	J1/Pin 2	BK	J3/Pin 2	BU	J2/Pin 1	GN	J4/Pin 1	YE	J2/Pin 2	RD	J4/Pin 2	VT		Brown not used			VB 4X1N-*
<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>																								
J1/Pin 1	WH	J3/Pin 1	OG																								
J1/Pin 2	BK	J3/Pin 2	BU																								
J2/Pin 1	GN	J4/Pin 1	YE																								
J2/Pin 2	RD	J4/Pin 2	VT																								
	Brown not used																										
4-port J-box 1 circuit per port multifast connector	4 A/port, 8 A total 12-pin multifast connector 9 conductors Mates with CKNM 12-9-*	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Pin / Color</u></td> <td><u>Function</u></td> <td><u>Pin / Color</u></td> </tr> <tr> <td>J1/Pin 1</td> <td>2 / WH</td> <td>J3/Pin 1</td> <td>6 / OG</td> </tr> <tr> <td>J1/Pin 2</td> <td>3 / BK</td> <td>J3/Pin 2</td> <td>7 / BU</td> </tr> <tr> <td>J2/Pin 1</td> <td>4 / GN</td> <td>J4/Pin 1</td> <td>8 / YE</td> </tr> <tr> <td>J2/Pin 2</td> <td>5 / RD</td> <td>J4/Pin 2</td> <td>9 / VT</td> </tr> <tr> <td></td> <td>Pin 1/BN not used</td> <td></td> <td></td> </tr> </table>	<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>	J1/Pin 1	2 / WH	J3/Pin 1	6 / OG	J1/Pin 2	3 / BK	J3/Pin 2	7 / BU	J2/Pin 1	4 / GN	J4/Pin 1	8 / YE	J2/Pin 2	5 / RD	J4/Pin 2	9 / VT		Pin 1/BN not used			VB 4X1N-CS12
<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>																								
J1/Pin 1	2 / WH	J3/Pin 1	6 / OG																								
J1/Pin 2	3 / BK	J3/Pin 2	7 / BU																								
J2/Pin 1	4 / GN	J4/Pin 1	8 / YE																								
J2/Pin 2	5 / RD	J4/Pin 2	9 / VT																								
	Pin 1/BN not used																										

Functional Wiring Diagrams

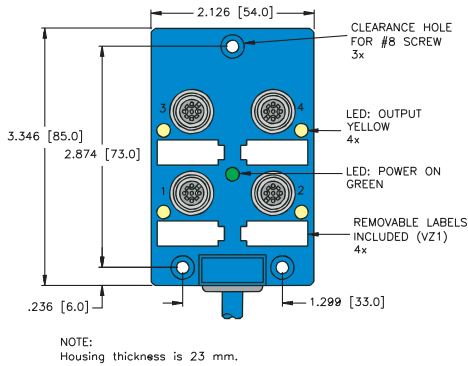


Specifications

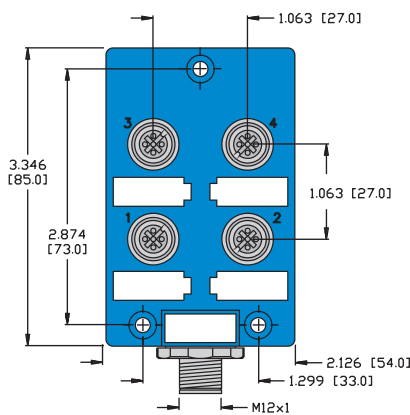
Housing:	Nylon
Connectors:	eurofast : Nylon or TPU
Contacts:	Gold plated brass, machined from solid stock
Thread Inserts:	Nickel plated brass
Cable:	See table
Temperature:	-40°C to +90°C (-40°F to +194°F)
Protection:	IEC IP67
Accessories:	(2) VZ 3 closure caps and one VZ 1 label kit (8 labels) included
Cable Length:	Standard length for junction boxes and multifast series quick disconnect cordsets is nominal 5 meters

Dimensions

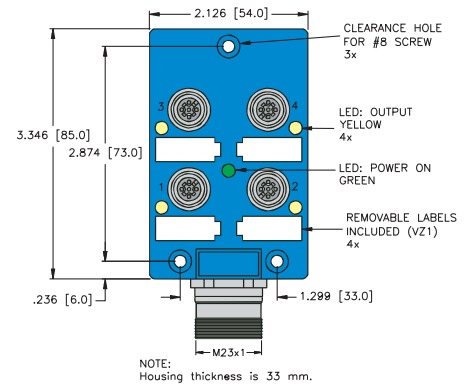
4-Port with Integral Home Run Cable



4-Port with eurofast Home Run Connector



4-Port with multifast Home Run Connector



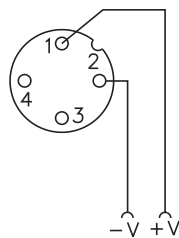
Multibox, eurofast

Notes:

- Removable labels included (Part number VZ 1).
- Clearance hole for #8 screw (3 places).
- Housings with integral cable: 23.0 mm thickness. Housings with quick disconnect: 33.0 mm thickness.

Pinout

Female Pinout Diagram



Male	Male
5-Pin eurofast	12-Pin multifast



multibox® *eurofast*® Junction Boxes, NAMUR, 2 Circuits Per Port

4 Ports
Rugged Plastic Housing with Flush Connectors

M23 Quick Disconnect or Integral Home Run Cable
For use with NAMUR Sensors

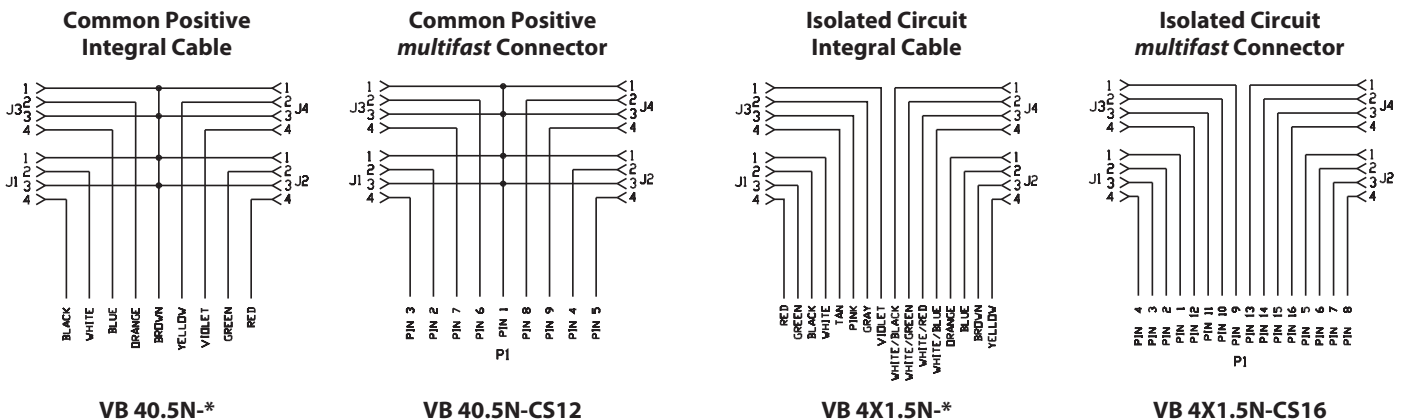
2 Circuits Per Port, Common Positive, 100 VDC

Application	Specifications	Pinout	Part Number																								
4-port J-box 2 circuits per port Integral cable	4 A/port, 9 A total Blue PVC cable, PLTC 9x22 AWG	<table border="1"> <thead> <tr> <th>Function</th> <th>Color</th> <th>Function</th> <th>Color</th> </tr> </thead> <tbody> <tr> <td>V+</td> <td>BN</td> <td>J3/Pin 2</td> <td>OG</td> </tr> <tr> <td>J1/Pin 2</td> <td>WH</td> <td>J3/Pin 4</td> <td>BU</td> </tr> <tr> <td>J1/Pin 4</td> <td>BK</td> <td>J4/Pin 2</td> <td>YE</td> </tr> <tr> <td>J2/Pin 2</td> <td>GN</td> <td>J4/Pin 4</td> <td>VT</td> </tr> <tr> <td>J2/Pin 4</td> <td>RD</td> <td></td> <td></td> </tr> </tbody> </table>	Function	Color	Function	Color	V+	BN	J3/Pin 2	OG	J1/Pin 2	WH	J3/Pin 4	BU	J1/Pin 4	BK	J4/Pin 2	YE	J2/Pin 2	GN	J4/Pin 4	VT	J2/Pin 4	RD			VB 40.5N-*
Function	Color	Function	Color																								
V+	BN	J3/Pin 2	OG																								
J1/Pin 2	WH	J3/Pin 4	BU																								
J1/Pin 4	BK	J4/Pin 2	YE																								
J2/Pin 2	GN	J4/Pin 4	VT																								
J2/Pin 4	RD																										
4-port J-box 2 circuits per port multifast connector	4 A/port, 8 A total 12-pin multifast connector 9 conductors Mates with CKNM 12-9-*	<table border="1"> <thead> <tr> <th>Function</th> <th>Pin / Color</th> <th>Function</th> <th>Pin / Color</th> </tr> </thead> <tbody> <tr> <td>V+</td> <td>1 / BN</td> <td>J3/Pin 2</td> <td>6 / OG</td> </tr> <tr> <td>J1/Pin 2</td> <td>2 / WH</td> <td>J3/Pin 4</td> <td>7 / BU</td> </tr> <tr> <td>J1/Pin 4</td> <td>3 / BK</td> <td>J4/Pin 2</td> <td>8 / YE</td> </tr> <tr> <td>J2/Pin 2</td> <td>4 / GN</td> <td>J4/Pin 4</td> <td>9 / VT</td> </tr> <tr> <td>J2/Pin 4</td> <td>5 / RD</td> <td></td> <td></td> </tr> </tbody> </table>	Function	Pin / Color	Function	Pin / Color	V+	1 / BN	J3/Pin 2	6 / OG	J1/Pin 2	2 / WH	J3/Pin 4	7 / BU	J1/Pin 4	3 / BK	J4/Pin 2	8 / YE	J2/Pin 2	4 / GN	J4/Pin 4	9 / VT	J2/Pin 4	5 / RD			VB 40.5N-CS12
Function	Pin / Color	Function	Pin / Color																								
V+	1 / BN	J3/Pin 2	6 / OG																								
J1/Pin 2	2 / WH	J3/Pin 4	7 / BU																								
J1/Pin 4	3 / BK	J4/Pin 2	8 / YE																								
J2/Pin 2	4 / GN	J4/Pin 4	9 / VT																								
J2/Pin 4	5 / RD																										

2 Circuits Per Port, Isolated Circuits, 100 VDC

Application	Specifications	Pinout	Part Number																																				
4-port J-box 2 circuits per port Integral cable	4 A/port, 9 A total Blue PVC cable, PLTC 16x22 AWG	<table border="1"> <thead> <tr> <th>Function</th> <th>Color</th> <th>Function</th> <th>Color</th> </tr> </thead> <tbody> <tr> <td>J1/Pin 1</td> <td>WH</td> <td>J3/Pin 1</td> <td>VT</td> </tr> <tr> <td>J1/Pin 2</td> <td>BK</td> <td>J3/Pin 2</td> <td>CY</td> </tr> <tr> <td>J1/Pin 3</td> <td>GN</td> <td>J3/Pin 3</td> <td>PK</td> </tr> <tr> <td>J1/Pin 4</td> <td>RD</td> <td>J3/Pin 4</td> <td>TN</td> </tr> <tr> <td>J2/Pin 1</td> <td>OG</td> <td>J4/Pin 1</td> <td>WH / BK</td> </tr> <tr> <td>J2/Pin 2</td> <td>BU</td> <td>J4/Pin 2</td> <td>WH / GN</td> </tr> <tr> <td>J2/Pin 3</td> <td>BN</td> <td>J4/Pin 3</td> <td>WH / RD</td> </tr> <tr> <td>J2/Pin 4</td> <td>YE</td> <td>J4/Pin 4</td> <td>WH / BU</td> </tr> </tbody> </table>	Function	Color	Function	Color	J1/Pin 1	WH	J3/Pin 1	VT	J1/Pin 2	BK	J3/Pin 2	CY	J1/Pin 3	GN	J3/Pin 3	PK	J1/Pin 4	RD	J3/Pin 4	TN	J2/Pin 1	OG	J4/Pin 1	WH / BK	J2/Pin 2	BU	J4/Pin 2	WH / GN	J2/Pin 3	BN	J4/Pin 3	WH / RD	J2/Pin 4	YE	J4/Pin 4	WH / BU	VB 4X1.5N-*
Function	Color	Function	Color																																				
J1/Pin 1	WH	J3/Pin 1	VT																																				
J1/Pin 2	BK	J3/Pin 2	CY																																				
J1/Pin 3	GN	J3/Pin 3	PK																																				
J1/Pin 4	RD	J3/Pin 4	TN																																				
J2/Pin 1	OG	J4/Pin 1	WH / BK																																				
J2/Pin 2	BU	J4/Pin 2	WH / GN																																				
J2/Pin 3	BN	J4/Pin 3	WH / RD																																				
J2/Pin 4	YE	J4/Pin 4	WH / BU																																				
4-port J-box 2 circuits per port multifast cable	4 A/port, 8 A total 16-pin multifast connector 16 conductors Mates with CKNWM 16-16-*	<table border="1"> <thead> <tr> <th>Function</th> <th>Color</th> <th>Function</th> <th>Color</th> </tr> </thead> <tbody> <tr> <td>J1/Pin 1</td> <td>1/WH</td> <td>J3/Pin 1</td> <td>9/VT</td> </tr> <tr> <td>J1/Pin 2</td> <td>2/BK</td> <td>J3/Pin 2</td> <td>10/GY</td> </tr> <tr> <td>J1/Pin 3</td> <td>3/GN</td> <td>J3/Pin 3</td> <td>11/PK</td> </tr> <tr> <td>J1/Pin 4</td> <td>4/RD</td> <td>J3/Pin 4</td> <td>12/TN</td> </tr> <tr> <td>J2/Pin 1</td> <td>5/OG</td> <td>J4/Pin 1</td> <td>13/WH/BK</td> </tr> <tr> <td>J2/Pin 2</td> <td>6/BU</td> <td>J4/Pin 2</td> <td>14/WH/GN</td> </tr> <tr> <td>J2/Pin 3</td> <td>7/BN</td> <td>J4/Pin 3</td> <td>15/WH/RD</td> </tr> <tr> <td>J2/Pin 4</td> <td>8/YE</td> <td>J4/Pin 4</td> <td>16/WH/BU</td> </tr> </tbody> </table>	Function	Color	Function	Color	J1/Pin 1	1/WH	J3/Pin 1	9/VT	J1/Pin 2	2/BK	J3/Pin 2	10/GY	J1/Pin 3	3/GN	J3/Pin 3	11/PK	J1/Pin 4	4/RD	J3/Pin 4	12/TN	J2/Pin 1	5/OG	J4/Pin 1	13/WH/BK	J2/Pin 2	6/BU	J4/Pin 2	14/WH/GN	J2/Pin 3	7/BN	J4/Pin 3	15/WH/RD	J2/Pin 4	8/YE	J4/Pin 4	16/WH/BU	VB 4X1.5N-CS16
Function	Color	Function	Color																																				
J1/Pin 1	1/WH	J3/Pin 1	9/VT																																				
J1/Pin 2	2/BK	J3/Pin 2	10/GY																																				
J1/Pin 3	3/GN	J3/Pin 3	11/PK																																				
J1/Pin 4	4/RD	J3/Pin 4	12/TN																																				
J2/Pin 1	5/OG	J4/Pin 1	13/WH/BK																																				
J2/Pin 2	6/BU	J4/Pin 2	14/WH/GN																																				
J2/Pin 3	7/BN	J4/Pin 3	15/WH/RD																																				
J2/Pin 4	8/YE	J4/Pin 4	16/WH/BU																																				

Functional Wiring Diagrams

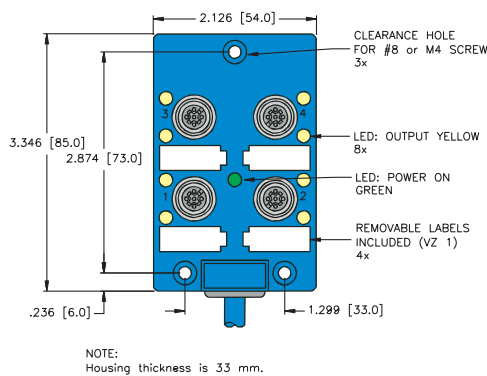


Specifications

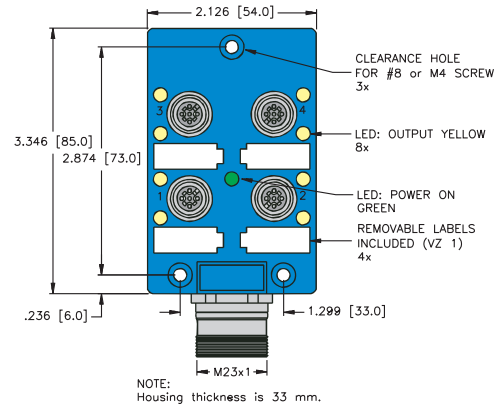
Housing:	Nylon
Connectors:	eurofast : Nylon or TPU
Contacts:	Gold plated brass, machined from solid stock
Thread Inserts:	Nickel plated brass
Cable:	See table
Temperature:	-40°C to +90°C (-40°F to +194°F)
Protection:	IEC IP67
Accessories:	(2) VZ 3 closure caps and one VZ 1 label kit (8 labels) included
Cable Length:	Standard length for junction boxes and multifast series quick disconnect cordsets is nominal 5 meters

Dimensions

4-Port with Integral Home Run Cable



4-Port with *multifast* Home Run Connector

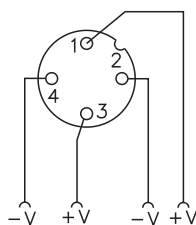


Multibox, eurofast

Notes:

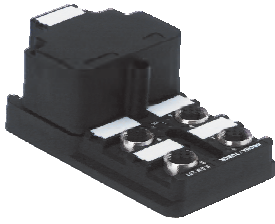
- Removable labels included (Part number VZ 1).
- Clearance hole for #8 screw (3 places).
- Housings with integral cable: 23.0 mm thickness. Housings with quick disconnect: 33.0 mm thickness.

Female Pinout Diagram



Pinout

Male	Male
12-Pin <i>multifast</i>	16-Pin <i>multifast</i>



multibox[®] eurofast[®] Terminal Chamber, 2 Signals Per Port

4-Port, Plastic or Metal Housing
Up to 12 A Total
Power Supply Isolation Option

Plug-in Terminal Cover with Spring Clamps or Screw Terminal

4-port, 10-30 VDC, 2 Signals Per Port, Isolated Power Supply Optional, Plastic Housing

Termination Style

Application	Specifications	Pinout		Spring Clamp	Screw Terminals
4-port J-box 2 signals per port Jumper option for isolation between odd and even ports Terminal chamber connection - spring clamp or screw terminals	3 A/port, 10 A per power supply 12 A total 5-pin eurofast connector 2(green) power LED 2(yellow) signal per port LEDs cable diameter 5-12mm	Function	Terminal Pin	4MB12-5P4-K-FK	4MB12-5P4-K-SK
		Port 1/Signal 1	1		
		2/1	2		
		3/1	3		
		4/1	4		
		Port 1/Signal 2	9		
		2/2	10		
		3/2	11		
		4/2	12		
		+V	17		
		-V	18		
		+V	19		
		-V	20		
		Ground	PE		

4-port, 10-30 VDC, 2 Signals Per Port, Shielded Metal Housing

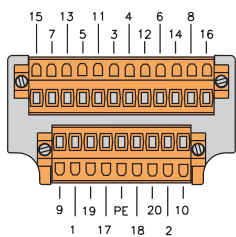
Termination Style

Application	Specifications	Pinout		Spring Clamp	Screw Terminals
4-port J-box 2 signals per port Termination chamber connection - spring clamp or screw terminals	3 A/port, 10 A total 5-pin eurofast connector 1(green) power LED cable diameter 9-14mm	Function	Terminal Pin	4MB12-5P1-MS-FK	4MB12-5P1-MS-SK
		Port 1/Signal 1	1		
		2/1	2		
		3/1	3		
		4/1	4		
		Port 1/Signal 2	9		
		2/2	10		
		3/2	11		
		4/2	12		
		+V	17		
		-V	18		
		+V	19		
		-V	20		
		Ground	PE		

Functional Wiring Diagrams

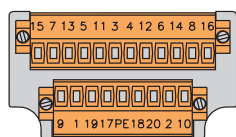
Spring Clamp

TERMINAL END VIEW

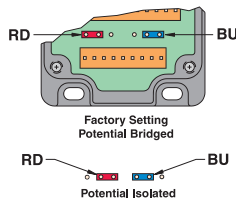


Screw Terminal

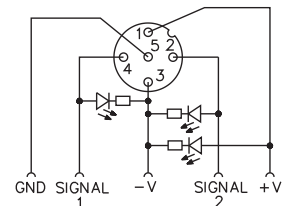
TERMINAL END VIEW



CONNECTION DIAGRAM



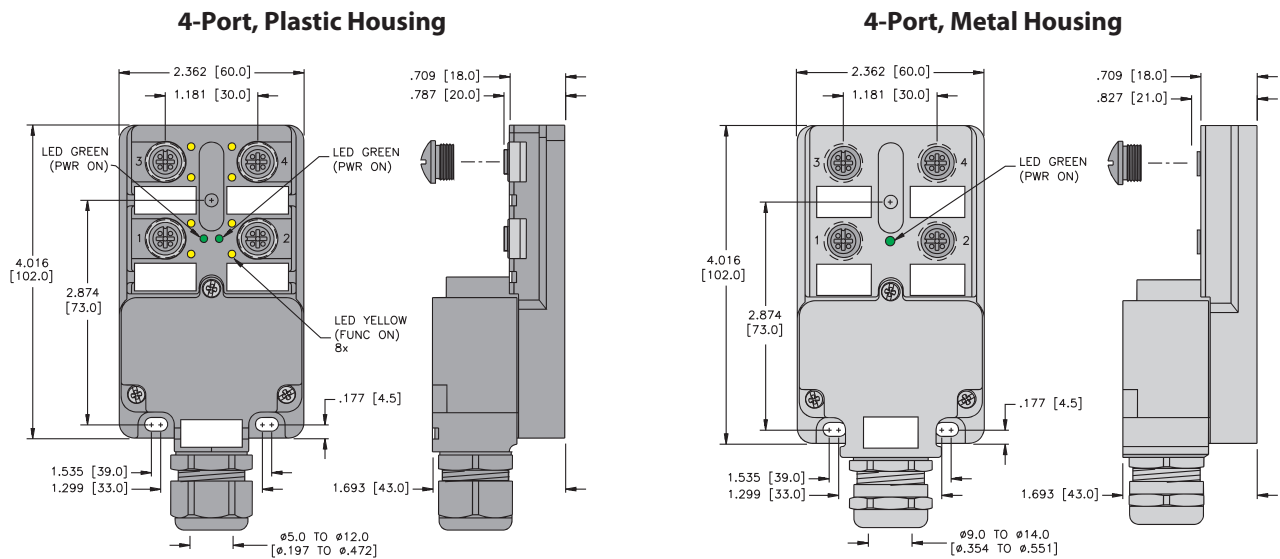
**LED version
2 Signals Per Port**



Specifications

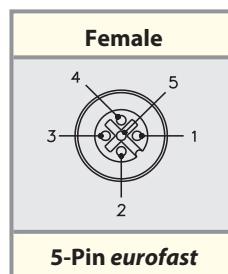
- Housing:** PBT Black Plastic
- Connectors:** **eurofast**: PBT/black
- Contacts:** Gold plated brass
- Thread Inserts:** Nickel plated brass
- Cable Gland & OD:** PG 13.5, accepts cable diameter 5 to 12 mm
- Temperature:** -20°C to +90°C (-4°F to +194°F)
- Protection:** IEC IP68
- Accessories:** (2) TC-CC closure caps and labels included
- Termination Method:** Field wireable, Spring Clamp or Screw Terminal. 16 AWG max.
- Recommended Splitter:** YB2-FSM 4.5-2 FKM 4.5

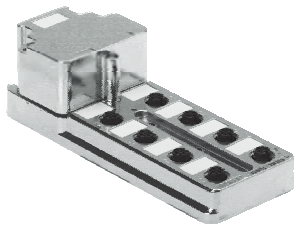
Dimensions



Multibox, eurofast

Pinout





multibox[®] eurofast[®] Terminal Chamber, 2 Signals Per Port

8-Port Plastic or Metal Housing
Up to 16 A Total
Power Supply Isolation Option

Plug in Terminal Cover - Spring Clamps or Screw Terminals

8-port, 10-30 VDC, 2 Signals Per Port, Isolated Power Supply Optional, Plastic

Termination Style

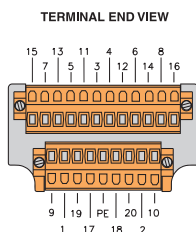
Application	Specifications	Pinout				Spring Clamp	Screw Terminals	
8-port J-box 2 signals per port, Jumper option for isolation between odd and even ports Terminal chamber connection - spring clamp or screw terminals	3 A/port, 10 A per power supply 16 A total 5-pin eurofast connector 2 (green) power LED 2 (yellow) signal per port LEDs cable diameter 5-12mm	Function	Terminal Pin	Function	Terminal Pin	8MB12-5P4-K-FK	8MB12-5P4-K-SK	
		Port 1/Signal 1	1	4/2	12			
			2/1	2	5/2			13
			3/1	3	6/2			14
			4/1	4	7/2			15
			5/1	5	8/2			16
			6/1	6	+V			17
			7/1	7	-V			18
			8/1	8	+V			19
		Port 1/Signal 2	9	-V	20			
			2/2	10	Ground			PE
	3/2	11						

8-port, 10-30 VDC, 2 Signals Per Port, Shielded Metal

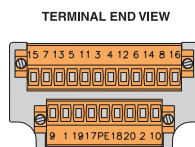
Termination Style

Application	Specifications	Pinout				Spring Clamp	Screw Terminals	
8-port J-box 2 signals per port Termination chamber connection - spring clamp or screw terminal	3 A/port 10 A total 5-pin eurofast connector 1 (green) power LED cable diameter 9-14mm	Function	Terminal Pin	Function	Terminal Pin	8MB12-5P1-MS-FK	8MB12-5P1-MS-SK	
		Port 1/Signal 1	1	4/2	12			
			2/1	2	5/2			13
			3/1	3	6/2			14
			4/1	4	7/2			15
			5/1	5	8/2			16
			6/1	6	+V			17
			7/1	7	-V			18
			8/1	8	+V			19
		Port 1/Signal 2	9	-V	20			
			2/2	10	Ground			PE
	3/2	11						

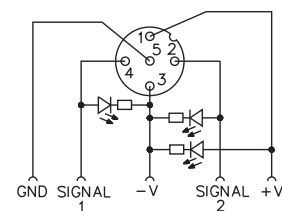
Spring Clamp



Screw Terminal



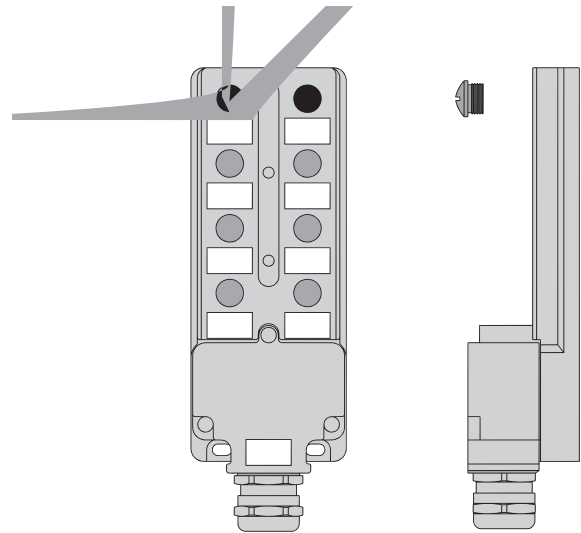
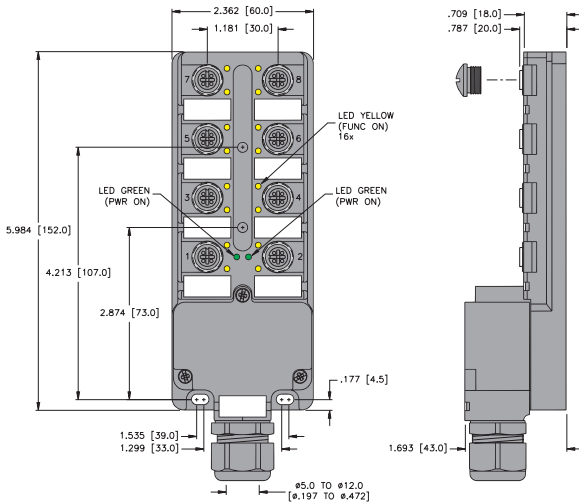
**Functional Wiring Diagram
2 Signals Per Port**



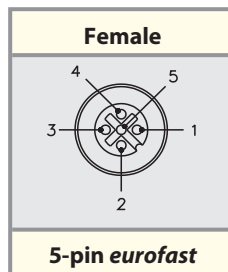
Specifications

- Housing:** Die Cast Zinc, Nickel plated
- Connectors:** **eurofast**: PBT/black
- Contacts:** Gold plated brass
- Thread Inserts:** Nickel plated brass
- Cable Gland & OD:** PG 13.5, accepts cable diameter 10-14 mm
- Temperature:** -20°C to +90°C (-4°F to +194°F)
- Protection:** IEC IP68
- Accessories:** Includes (2) TC-CC closure caps and labels
- Termination Method:** Field wireable, spring clamps or screw terminals. 16 AWG max.
- Recommended Splitter:** YB2-FSM 4.5-2 FKM 4.5

8-Port, Plastic Housing



Pinout





multibox® eurofast® Junction Boxes, 4-Port

Single Input/Output Per Port
Rugged Plastic Housing with Flush Connectors

Available with or without LEDs
M23 Quick Disconnect, minifast Connector, or Integral Home Run Cable

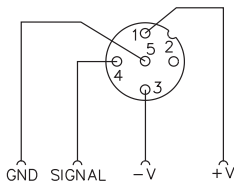


4-port, 1-Signal per Port, 10-48 VDC

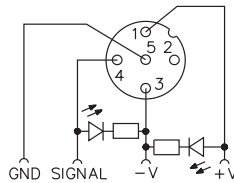
Application	Specifications	Pinout		No LEDs	PNP LED	NPN LED	
4-port J-box 1 signal per port Integral cable	4 A/port, 10 A total Yellow PVC cable** 7x18 AWG foil shield and 20 AWG drain **with PUR cable, add /S90	<u>Function</u> +V -V Gnd	<u>Color</u> BN BU GN/YE	<u>Function</u> Port 1 Port 2 Port 3 Port 4	<u>Color</u> WH GN YE GY	VB 40-*	VB 40-P7X5-* VB 40-N7X5-*
4-port J-box 1 signal per port multifast connector	4 A/port, 7 A total 12-pin multifast connector 7 conductors Mates with CKM 12-7-*	<u>Function</u> +V -V Gnd	<u>Pin / Color</u> 1 / BN 3 / BU 12 / GN/YE	<u>Function</u> Port 1 Port 2 Port 3 Port 4	<u>Pin / Color</u> 4 / WH 6 / GN 7 / YE 8 / GY	VB 40-CS12	VB 40-P7X5-CS12 VB 40-N7X5-CS12
4-port J-box 1 signal per port, minifast connector	4 A/port 9 A total 6-pin minifast connector 6 conductors Mates with RKM 61-*M	<u>Function</u> +V -V	<u>Pin / Color</u> 6 / BN 3 / BU	<u>Function</u> Port 1 Port 2 Port 3 Port 4	<u>Pin / Color</u> 2 / WH 1 / GN 5 / YE 4 / GY	VB 40-B1161	VB 40-P7X5-B1161 VB 40-N7X5-B1161

Functional Wiring Diagrams

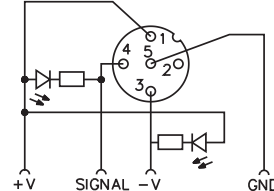
**(No LED Version)
1 Signal Per Port**



**(PNP LED Version)
2 Signals Per Port**



**(NPN LED Version)
1 Signal Per Port**

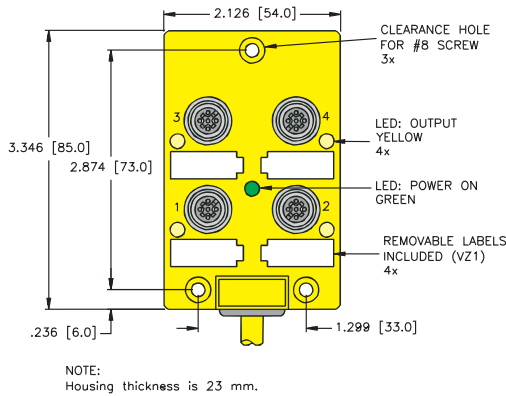


Specifications

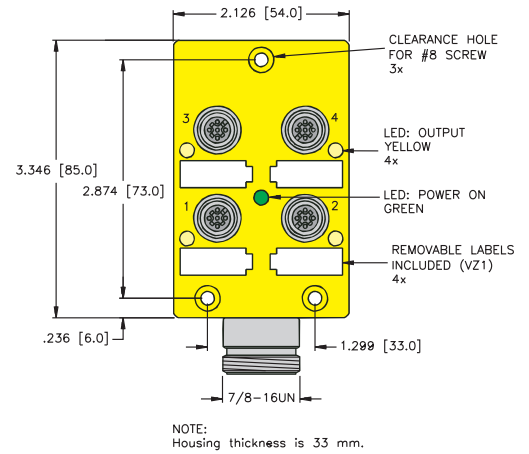
- Housing:** Nylon
- Connectors:** **euromast**: Nylon or TPU
- Contacts:** Gold plated brass
- Thread Inserts:** Stainless Steel
- Cable:** See table
- Temperature:** -30°C to +80°C (-22°F to +176°F)
- Protection:** IEC IP67
- Accessories:** Includes (2) VZ 3 closure caps and a VZ 1 label kit (8 labels) included
- Cable Length:** Standard length is nominal 5 meters. Other lengths available upon request - Consult factory

Dimensions

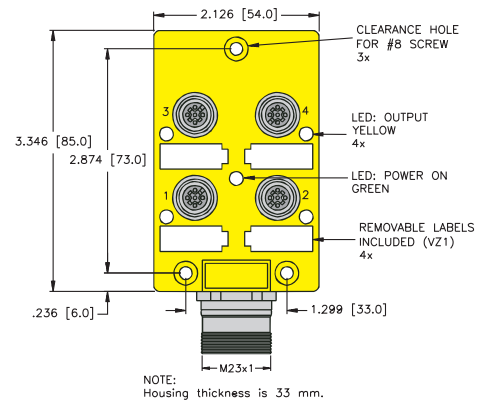
4-Port Integral Home Run Cable



4-Port with *minifast* Home Run Connector



4-Port with *multifast* Home Run Connector

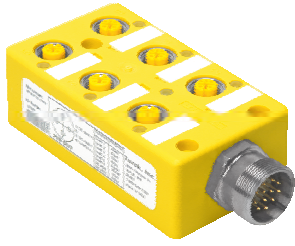


Notes:

1. For mating CKM cordsets. See **multifast** pages.
2. For mating RKM cordsets. See **minifast** pages.

Pinout

Female	Male	Male
5-pin euromast	12-pin multifast	6-pin minifast



multibox® *eurofast*® Junction Boxes, 6-Port

Single Input/Output Per Port
Rugged Plastic Housing with Flush Connectors

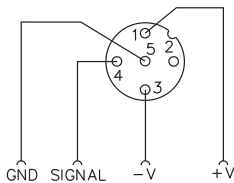
Available with or without LEDs
M23 Quick Disconnect, *minifast* Connector or Integral Home Run Cable

6-port, 1-Signal per Port, 10-48 VDC

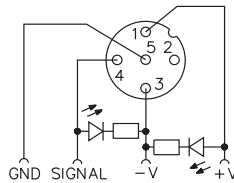
Application	Specifications	Pinout	No LEDs	PNP LED	NPN LED																								
6-port J-box 1 signal per port Integral cable	4 A/port, 10 A total, Yellow PVC cable** 9x18 AWG foil shield and 20 AWG drain CSA Certified **with PUR cable, add /S90	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Color</u></td> <td><u>Function</u></td> <td><u>Color</u></td> </tr> <tr> <td>+V</td> <td>BN</td> <td>Port 3</td> <td>YE</td> </tr> <tr> <td>-V</td> <td>BU</td> <td>Port 4</td> <td>GY</td> </tr> <tr> <td>Gnd</td> <td>GN/YE</td> <td>Port 5</td> <td>PK</td> </tr> <tr> <td>Port 1</td> <td>WH</td> <td>Port 6</td> <td>RD</td> </tr> <tr> <td>Port 2</td> <td>GN</td> <td></td> <td></td> </tr> </table>	<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>	+V	BN	Port 3	YE	-V	BU	Port 4	GY	Gnd	GN/YE	Port 5	PK	Port 1	WH	Port 6	RD	Port 2	GN			VB 60-*	VB 60-P7X7-*	VB 60-N7X7-*
<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>																										
+V	BN	Port 3	YE																										
-V	BU	Port 4	GY																										
Gnd	GN/YE	Port 5	PK																										
Port 1	WH	Port 6	RD																										
Port 2	GN																												
6-port J-box 1 signal per port multifast connector	4 A/port, 7 A total 12-pin multifast connector 9 conductors Mates with CKM 12-9- CSA Certified	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Pin / Color</u></td> <td><u>Function</u></td> <td><u>Pin / Color</u></td> </tr> <tr> <td>+V</td> <td>1 / BN</td> <td>Port 3</td> <td>7 / YE</td> </tr> <tr> <td>-V</td> <td>3 / BU</td> <td>Port 4</td> <td>8 / GY</td> </tr> <tr> <td>Gnd</td> <td>12 / GN/YE</td> <td>Port 5</td> <td>9 / PK</td> </tr> <tr> <td>Port 1</td> <td>4 / WH</td> <td>Port 6</td> <td>10 / RD</td> </tr> <tr> <td>Port 2</td> <td>6 / GN</td> <td></td> <td></td> </tr> </table>	<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>	+V	1 / BN	Port 3	7 / YE	-V	3 / BU	Port 4	8 / GY	Gnd	12 / GN/YE	Port 5	9 / PK	Port 1	4 / WH	Port 6	10 / RD	Port 2	6 / GN			VB 60-CS12	VB 60-P7X7-CS12	VB 60-N7X7-CS12
<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>																										
+V	1 / BN	Port 3	7 / YE																										
-V	3 / BU	Port 4	8 / GY																										
Gnd	12 / GN/YE	Port 5	9 / PK																										
Port 1	4 / WH	Port 6	10 / RD																										
Port 2	6 / GN																												
6-port J-box 1 signal per port, minifast connector	4 A/port 7 A total 12-pin minifast connector 9 conductors Mates with RKM 126- M	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Pin / Color</u></td> <td><u>Function</u></td> <td><u>Pin / Color</u></td> </tr> <tr> <td>+V</td> <td>10 / RD</td> <td>Port 2</td> <td>2 / BU</td> </tr> <tr> <td>-V</td> <td>11 / WH</td> <td>Port 3</td> <td>3 / WH/BK</td> </tr> <tr> <td>Ground</td> <td>12 / BK</td> <td>Port 4</td> <td>4 / RD/BK</td> </tr> <tr> <td>Port 1</td> <td>1 / OG</td> <td>Port 5</td> <td>5 / GN/BK</td> </tr> <tr> <td></td> <td></td> <td>Port 6</td> <td>6 / OG/BK</td> </tr> </table>	<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>	+V	10 / RD	Port 2	2 / BU	-V	11 / WH	Port 3	3 / WH/BK	Ground	12 / BK	Port 4	4 / RD/BK	Port 1	1 / OG	Port 5	5 / GN/BK			Port 6	6 / OG/BK	VB 60-RSF120	VB 60-P7X7-RSF120	VB 60-N7X7-RSF120
<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>																										
+V	10 / RD	Port 2	2 / BU																										
-V	11 / WH	Port 3	3 / WH/BK																										
Ground	12 / BK	Port 4	4 / RD/BK																										
Port 1	1 / OG	Port 5	5 / GN/BK																										
		Port 6	6 / OG/BK																										

Functional Wiring Diagrams

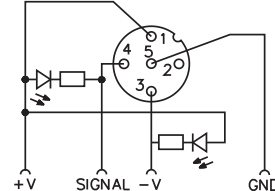
(No LED Version)
1 Signal Per Port



(PNP LED Version)
2 Signals Per Port



(NPN LED Version)
1 Signal Per Port

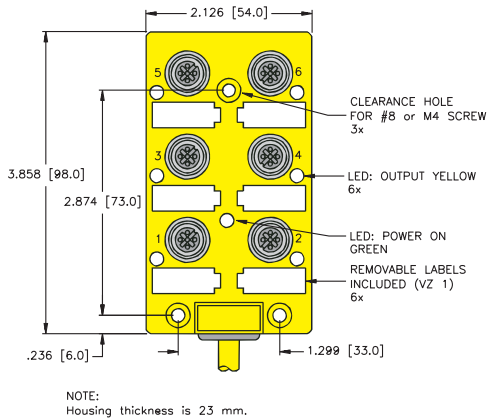


Specifications

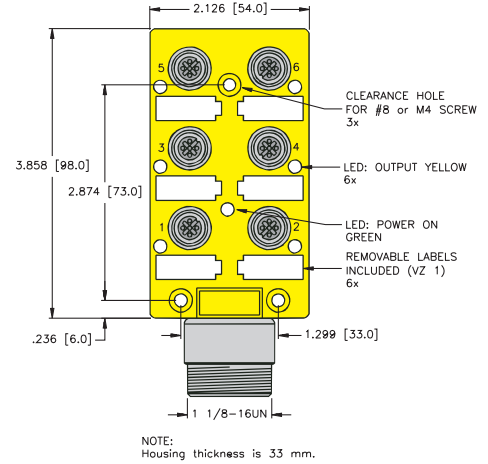
- Housing:** Nylon
- Connectors:** **eurofast**: Nylon or TPU
- Contacts:** Gold plated brass
- Thread Inserts:** Stainless Steel
- Cable:** See table
- Temperature:** -30°C to +80°C (-22°F to +176°F)
- Protection:** IEC IP67
- Accessories:** Includes (2) VZ 3 closure caps and a VZ 1 label kit (8 labels) included
- Cable Length:** Standard length is nominal 5 meters. Other lengths available upon request - Consult factory

Dimensions

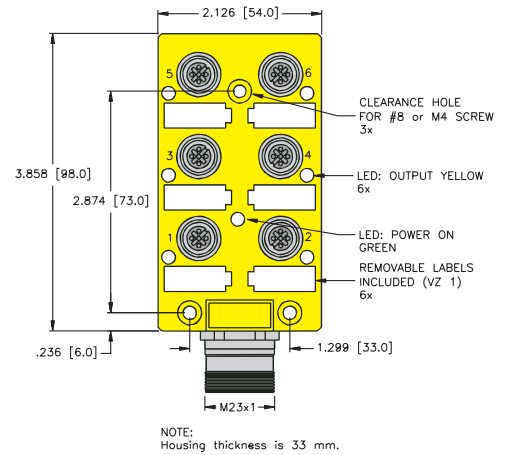
6-Port Integral Home Run Cable



6-Port with *minifast* Home Run Connector



6-Port with *multifast* Home Run Connector



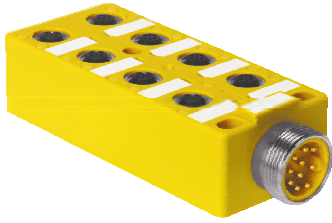
Notes:

- 1. For mating CKM cordsets. See **multifast** pages.
- 2. For mating RKM cordsets. See **minifast** pages.

Pinout

Female	Male	Male
5-pin eurofast	12-pin multifast	12-pin minifast

Multibox, eurofast



multibox® eurofast® Junction Boxes, 8-Port

Single Input/Output Per Port
Rugged Plastic Housing with Flush Connectors

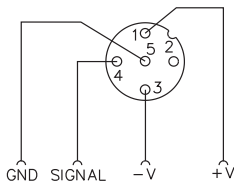
Available with or without LEDs
M23 Quick Disconnect, minifast Connector, or Integral Home Run Cable

8-port, 1-Signal Per Port, 10-48 VDC

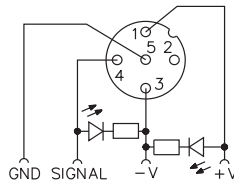
Application	Specifications	Pinout	No LEDs	PNP LED	NPN LED																												
8-port J-box 1 signal per port Integral cable	4 A/port, 5 A total Yellow PVC cable** 11x18 AWG, foil shield and 20 AWG drain CSA Certified **with PUR cable, add /S90	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Color</u></td> <td><u>Function</u></td> <td><u>Color</u></td> </tr> <tr> <td>+V</td> <td>BN</td> <td>Port 4</td> <td>GY</td> </tr> <tr> <td>-V</td> <td>BU</td> <td>Port 5</td> <td>PK</td> </tr> <tr> <td>Gnd</td> <td>GN/YE</td> <td>Port 6</td> <td>RD</td> </tr> <tr> <td>Port 1</td> <td>WH</td> <td>Port 7</td> <td>BK</td> </tr> <tr> <td>Port 2</td> <td>GN</td> <td>Port 8</td> <td>VT</td> </tr> <tr> <td>Port 3</td> <td>YE</td> <td></td> <td></td> </tr> </table>	<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>	+V	BN	Port 4	GY	-V	BU	Port 5	PK	Gnd	GN/YE	Port 6	RD	Port 1	WH	Port 7	BK	Port 2	GN	Port 8	VT	Port 3	YE			VB 80-*	VB 80-P7X9-*	VB 80-N7X9-*
<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>																														
+V	BN	Port 4	GY																														
-V	BU	Port 5	PK																														
Gnd	GN/YE	Port 6	RD																														
Port 1	WH	Port 7	BK																														
Port 2	GN	Port 8	VT																														
Port 3	YE																																
8-port J-box 1 signal per port multifast connector	4 A/port, 5 A total 12-pin multifast connector 11 conductors Mates with CKM 12-11- CSA Certified	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Pin / Color</u></td> <td><u>Function</u></td> <td><u>Pin / Color</u></td> </tr> <tr> <td>+V</td> <td>1 / BN</td> <td>Port 4</td> <td>7 / GY</td> </tr> <tr> <td>-V</td> <td>3 / BU</td> <td>Port 5</td> <td>8 / PK</td> </tr> <tr> <td>Gnd</td> <td>12 / GN/YE</td> <td>Port 6</td> <td>9 / RD</td> </tr> <tr> <td>Port 1</td> <td>4 / WH</td> <td>Port 7</td> <td>10 / BK</td> </tr> <tr> <td>Port 2</td> <td>5 / GN</td> <td>Port 8</td> <td>11 / VT</td> </tr> <tr> <td>Port 3</td> <td>6 / YE</td> <td></td> <td></td> </tr> </table>	<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>	+V	1 / BN	Port 4	7 / GY	-V	3 / BU	Port 5	8 / PK	Gnd	12 / GN/YE	Port 6	9 / RD	Port 1	4 / WH	Port 7	10 / BK	Port 2	5 / GN	Port 8	11 / VT	Port 3	6 / YE			VB 80-CS12	VB 80-P7X9-CS12	VB 80-N7X9-CS12
<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>																														
+V	1 / BN	Port 4	7 / GY																														
-V	3 / BU	Port 5	8 / PK																														
Gnd	12 / GN/YE	Port 6	9 / RD																														
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Port 2	5 / GN	Port 8	11 / VT																														
Port 3	6 / YE																																
8-port J-box 1 signal per port, minifast connector	4 A/port 5 A total 12-pin minifast connector 11 conductors Mates with RKM 126-*	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Pin / Color</u></td> <td><u>Function</u></td> <td><u>Pin / Color</u></td> </tr> <tr> <td>+V</td> <td>10 / RD</td> <td>Port 3</td> <td>3 / WH/BK</td> </tr> <tr> <td>-V</td> <td>11 / WH</td> <td>Port 4</td> <td>4 / RD/BK</td> </tr> <tr> <td>Ground</td> <td>12 / BK</td> <td>Port 5</td> <td>5 / GN/BK</td> </tr> <tr> <td>Port 1</td> <td>1 / OG</td> <td>Port 6</td> <td>6 / OG/BK</td> </tr> <tr> <td>Port 2</td> <td>2 / BU</td> <td>Port 7</td> <td>7 / BU/BK</td> </tr> <tr> <td></td> <td></td> <td>Port 8</td> <td>8 / BK/WH</td> </tr> </table>	<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>	+V	10 / RD	Port 3	3 / WH/BK	-V	11 / WH	Port 4	4 / RD/BK	Ground	12 / BK	Port 5	5 / GN/BK	Port 1	1 / OG	Port 6	6 / OG/BK	Port 2	2 / BU	Port 7	7 / BU/BK			Port 8	8 / BK/WH	VB 80-RSF120	VB 80-P7X9-RSF120	VB 80-N7X9-RSF120
<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>																														
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-V	11 / WH	Port 4	4 / RD/BK																														
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Port 1	1 / OG	Port 6	6 / OG/BK																														
Port 2	2 / BU	Port 7	7 / BU/BK																														
		Port 8	8 / BK/WH																														

Functional Wiring Diagrams

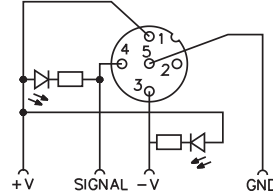
**(No LED Version)
1 Signal Per Port**



**(PNP LED Version)
2 Signals Per Port**



**(NPN LED Version)
1 Signal Per Port**

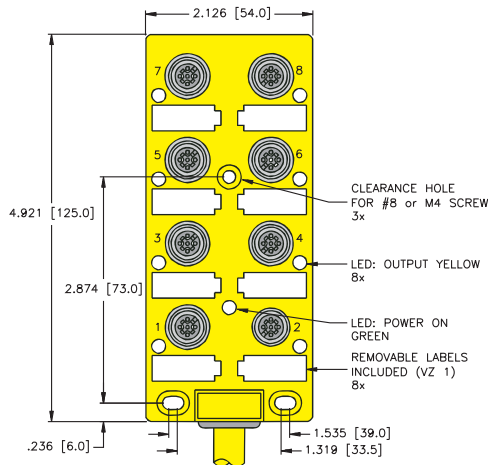


Specifications

- Housing:** Nylon
- Connectors:** *euromast*: Nylon or TPU
- Contacts:** Gold plated brass
- Thread Inserts:** Stainless Steel
- Cable:** See table
- Temperature:** -30°C to +80°C (-22°F to +176°F)
- Protection:** IEC IP 67
- Accessories:** Includes (2) VZ 3 closure caps and a VZ 1 label kit (8 labels) included
- Cable Length:** Standard length is nominal 5 meters. Other lengths available upon request - Consult factory

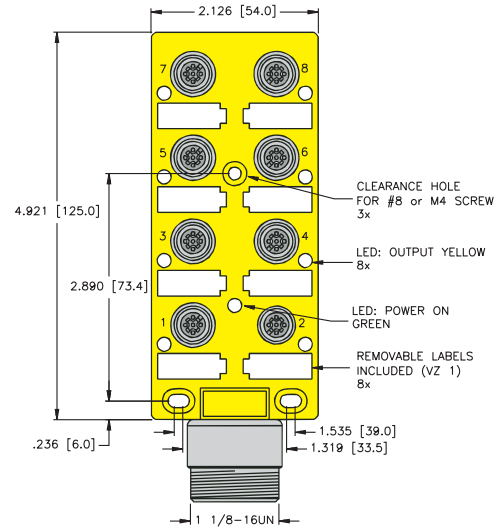
Dimensions

8-Port Integral Home Run Cable



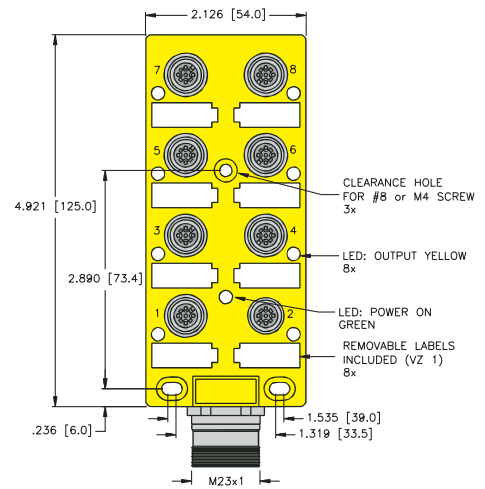
NOTE:
Housing thickness is 23 mm.

8-Port with *minifast* Home Run Connector



NOTE:
Housing thickness is 33 mm.

8-Port with *multifast* Home Run Connector



NOTE:
Housing thickness is 33 mm.

Multibox, euromast

Notes:

1. For mating CKM cordsets. See *multifast* pages.
2. For mating RKM cordsets. See *minifast* pages.

Pinout

Female	Male	Male
5-pin euromast	12-pin multifast	12-pin minifast



multibox® eurofast® Junction Boxes, 4-Port

Dual Input/Output Per Port
Rugged Plastic Housing with
Flush Connectors

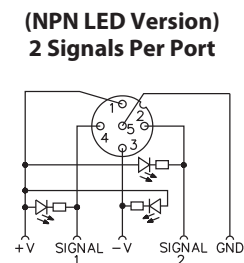
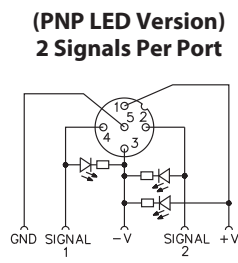
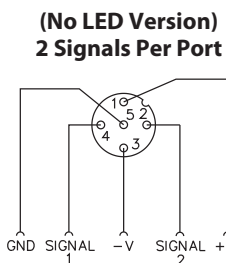
Available with or without LEDs
M23 Quick Disconnect or Integral
Home Run Cable



4-port, 2-Signals per Port, 10-48 VDC

Application	Specifications	Pinout				No LEDs	PNP LED	NPN LED
4-port J-box 2 signals per port Integral cable	3 A/port, 9 A total Yellow PVC cable** 3x18 AWG, 8x22 AWG, foil shield and 22 AWG drain **with PUR cable, add /S90	<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>	VB 40.5-*	VB 40.5-P7X9-*	VB 40.5-N7X9-*
		+V	BN	Port 2, Sig 1	GN			
4-port J-box 2 signals per port multifast connector 11 conductors Mates with CKM 19-11-*	3 A/port, 9 A total 19-pin multifast connector 11 conductors Mates with CKM 19-11-*	<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>	VB 40.5-CS19	VB 40.5-P7X9-CS19	VB 40.5-N7X9-CS19
		+V	19 / BN	Port 2, Sig 1	5 / GN			

Functional Wiring Diagrams

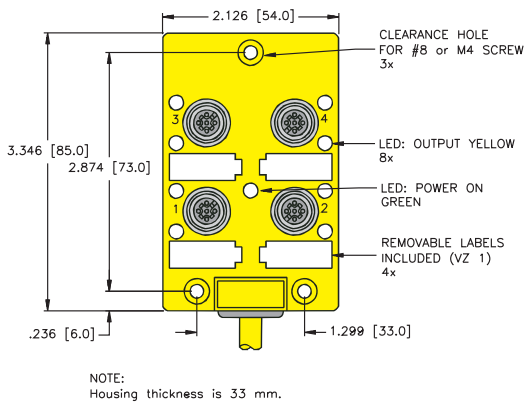


Specifications

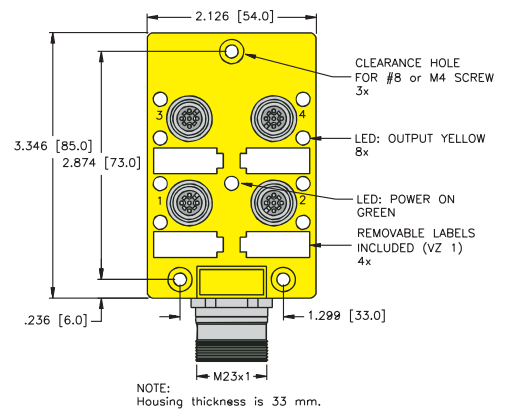
- Housing:** Nylon
- Connectors:** **eurofast**: Nylon or TPU
- Contacts:** Gold plated brass
- Thread Inserts:** Stainless Steel
- Cable:** See table
- Temperature:** -30°C to +80°C (-22°F to +176°F)
- Protection:** IEC IP67
- Accessories:** Includes (2) VZ 3 closure caps and a VZ 1 label kit (8 labels) included.
- Recommended Splitter:** YB2-FSM 4.5-2 FKM 4.5/S1063

Dimensions

4-Port with Integral Home Run Cable



4-Port with multifast Home Run Connector

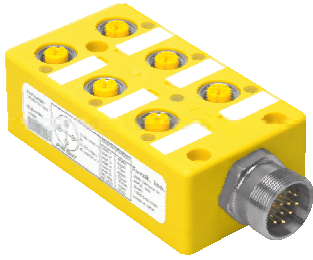


Notes:

- 1. For mating CKM cordsets. See **multifast** pages.

Pinout

Female	Male
5-pin eurofast	19-pin multifast



multibox® *eurofast*® Junction Boxes, 6-Port

Dual Input/Output Per Port
Rugged Plastic Housing with
Flush Connectors

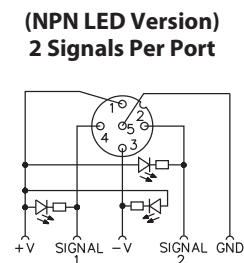
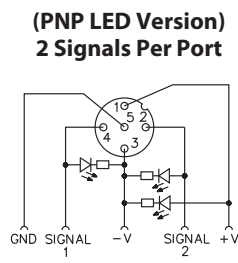
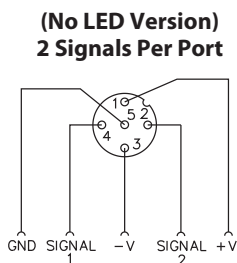
Available with or without LEDs
M23 Quick Disconnect or Integral
Home Run Cable



6-port, 2-Signals per Port, 10-48 VDC

Application	Specifications	Pinout				No LEDs	PNP LED	NPN LED
6-port J-box 2 signals per port Integral cable	3 A/port, 9 A total Yellow PVC cable** 3x18 AWG, 12x22 AWG, foil shield and 22 AWG drain **with PUR cable add /S90	<u>Function</u> +V -V Gnd Port 1, Sig 1 Port 1, Sig 2 Port 2, Sig 1 Port 2, Sig 2	<u>Color</u> BN BU GN/YE WH GY/PK GN RD/BU	<u>Function</u> Port 3, Sig 1 Port 3, Sig 2 Port 4, Sig 1 Port 4, Sig 2 Port 5, Sig 1 Port 5, Sig 2 Port 6, Sig 1 Port 6, Sig 2	<u>Color</u> YE WH/GN GY BN/GN PK WH/YE RD YE/BN	VB 60.5-*	VB 60.5-P7X13-*	VB 60.5-N7X13-*
6-port J-box 2 signal per port multifast connector	10-48 VDC 3 A/port, 9 A total 19-pin multifast connector 15 conductors Mates with CKM 19-15-*	<u>Function</u> +V -V Gnd Port 1, Sig 1 Port 1, Sig 2 Port 2, Sig 1 Port 2, Sig 2	<u>Pin / Color</u> 19 / BN 6 / BU 12 / GN/YE 15 / WH 7 / GY/PK 5 / GN 4 / RD/BU	<u>Function</u> Port 3, Sig 1 Port 3, Sig 2 Port 4, Sig 1 Port 4, Sig 2 Port 5, Sig 1 Port 5, Sig 2 Port 6, Sig 1 Port 6, Sig 2	<u>Pin / Color</u> 16 / YE 8 / WH/GN 3 / GY 14 / BN/GN 17 / PK 9 / WH/YE 2 / RD 13 / YE/BN	VB 60.5-CS19	VB 60.5-P7X13-CS19	VB 60.5-N7X13-CS19

Functional Wiring Diagrams

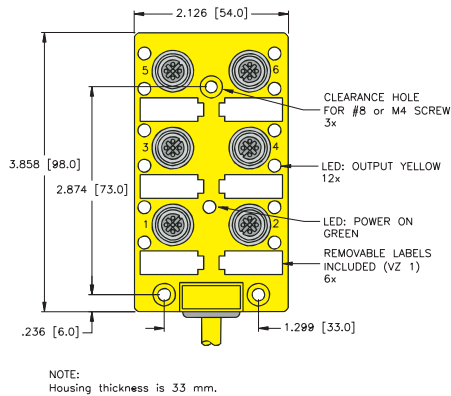


Specifications

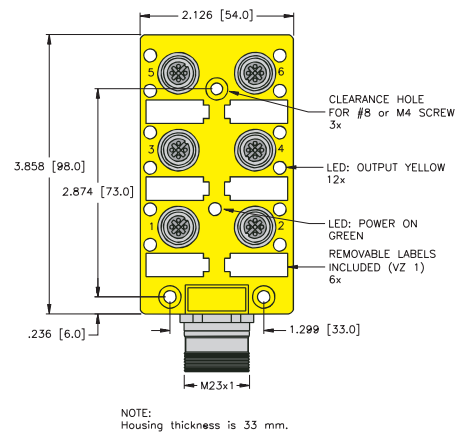
- Housing:** Nylon
- Connectors:** **eurofast**: Nylon or TPU
- Contacts:** Gold plated brass
- Thread Inserts:** Stainless Steel
- Cable:** See table
- Temperature:** -30°C to +80°C (-22°F to +176°F)
- Protection:** IEC IP67
- Accessories:** Includes (2) VZ 3 closure caps and a VZ 1 label kit (8 labels) included
- Recommended Splitter:** YB2-FSM 4.5-2 FKM 4.5/S1063

Dimensions

6-Port Integral Home Run Cable



6-Port with *multifast* Home Run Connector



Notes:

1. For mating CKM cordsets. See *multifast* pages.

Pinout

Female	Male
5-pin eurofast	19-pin multifast



multibox® *eurofast*® Junction Boxes, 8-Port

Dual Input/Output Per Port
Rugged Plastic Housing with
Flush Connectors

Available with or without LEDs
M23 Quick Disconnect or Integral
Home Run Cable

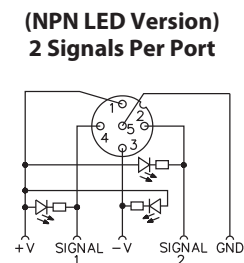
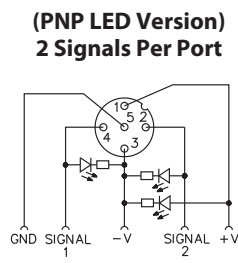
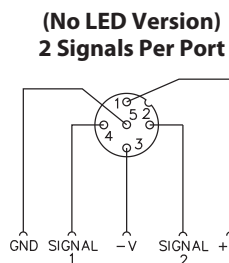


8-port, 2-Signals per Port, 10-48 VDC

Application	Specifications	Pinout		No LEDs	PNP LED	NPN LED
8-port J-box 2 signals per port Integral cable	3 A/port, 8 A total Yellow PVC cable** 3x18 AWG, 16x22 AWG, foil shield and 22 AWG drain **with PUR cable, add /S90	<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>	
		+V	BN	Port 4, Sig 1	GY	VB 80.5-*
-V	BU	Port 4, Sig 2	BN/GN			
Gnd	GN/YE	Port 5, Sig 1	PK			
Port 1, Sig 1	Wh	Port 5, Sig 2	Wh/YE			
Port 1, Sig 2	GY/PK	Port 6, Sig 1	RD			
Port 2, Sig 1	GN	Port 6, Sig 2	YE/BN			
Port 2, Sig 2	RD/BU	Port 7, Sig 1	BK			
Port 3, Sig 1	YE	Port 7, Sig 2	Wh/GY			
Port 3, Sig 2	Wh/GN	Port 8, Sig 1	VT			
		Port 8, Sig 2	GY/BN			
8-port J-box 2 signal per port multifast connector	3 A/port, 8 A total 19-pin multifast connector 19 conductors Mates with CKM 19-19-*	<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>	
		+V	19 / BN	Port 4, Sig 1	3 / GY	VB 80.5-CS19
-V	6 / BU	Port 4, Sig 2	14 / BN/GN			
Gnd	12 / GN/YE	Port 5, Sig 1	17 / PK			
Port 1, Sig 1	15 / Wh	Port 5, Sig 2	9 / Wh/YE			
Port 1, Sig 2	7 / GY/PK	Port 6, Sig 1	2 / RD			
Port 2, Sig 1	5 / GN	Port 6, Sig 2	13 / YE/BN			
Port 2, Sig 2	4 / RD/BU	Port 7, Sig 1	11 / BK			
Port 3, Sig 1	16 / YE	Port 7, Sig 2	10 / Wh/GY			
Port 3, Sig 2	8 / Wh/GN	Port 8, Sig 1	1 / VT			
		Port 8, Sig 2	18 / GY/BN			

* Cable length in meters.

Functional Wiring Diagrams

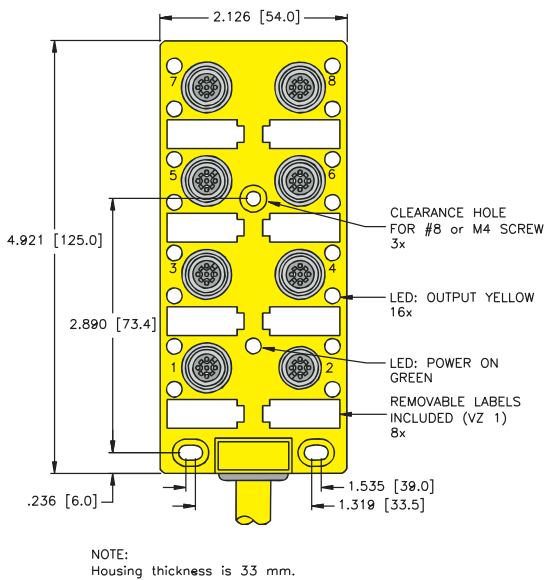


Specifications

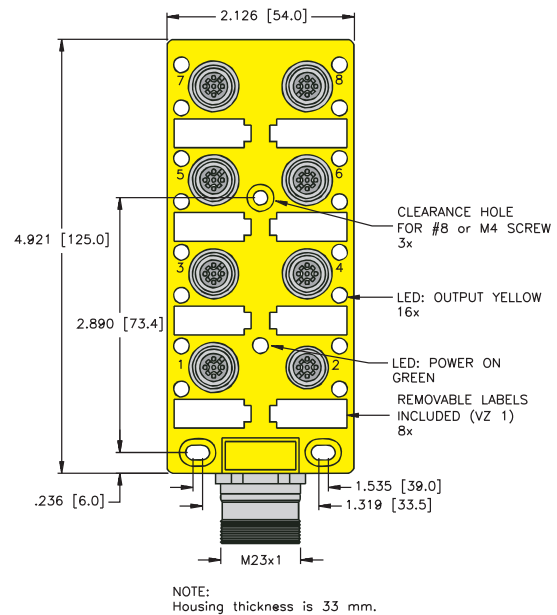
- Housing:** Nylon
- Connectors:** **eurofast**: Nylon or TPU
- Contacts:** Gold plated brass
- Thread Inserts:** Stainless Steel
- Cable:** See table
- Temperature:** -30°C to +80°C (-22°F to +176°F)
- Protection:** IEC IP67
- Accessories:** Includes (2) VZ 3 closure caps and a VZ 1 label kit (8 labels) included
- Recommended Splitter:** YB2-FSM 4.5-2 FKM 4.5/S1063

Dimensions

8-Port Integral Home Run Cable



8-Port with *multifast* Home Run Connector



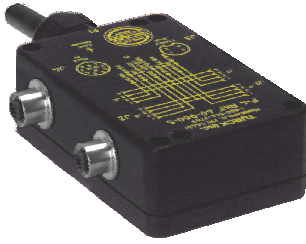
Multibox, eurofast

Notes:

- 1. For mating CKM cordsets. See *multifast* pages.

Pinout

Female	Male
5-pin eurofast	19-pin multifast



multibox® eurofast® Junction Boxes, 4-Port, Metal

Single Input/Output Per Port
Metal Housing with Side Connectors
For DC Sensors and Actuators

M23 Quick Disconnect, *minifast* Connector, or Integral Home run Cable
Available with or without LEDs

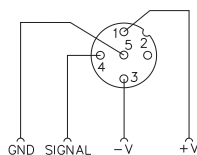


4-port, 1 Signal Per Port, 10-48 VDC

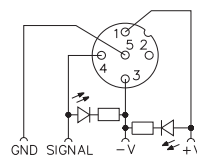
Application	Specifications	Pinout		No LEDs	PNP LEDs	
4-port J-box 1 signal per port Metal box Integral cable	4 A/port, 10 A total Yellow PVC cable 7x18 AWG foil shield and 20 AWG drain	Function +V -V Ground	Color BN BU GN / YE	Function Port 1 Port 2 Port 3 Port 4	Color Wh GN YE GY	VBM 40-* VBM 40-P7X5-*
4-port J-box 1 signal per port Metal box multifast connector	4 A/port, 8 A total 12-pin multifast connector 7 conductors Mates with CKM 12-7-*	Function +V -V Ground	Pin / Color 1 / BN 3 / BU 12 / GN/YE	Function Port 1 Port 2 Port 3 Port 4	Pin / Color 4 / WH 6 / GN 7 / YE 8 / GY	VBM 40-CS12 VBM 40-P7X5-CS12
4-port J-box 1 signal per port, Metal box minifast connector	4 A/port, 7 A total 12-pin minifast connector 7 conductors, Mates with RKM 126-*M CSA Certified	Function +V -V Ground Port 1 Port 2	Pin/Color 10 / RD 11 / WH 12 / BK 1 / OG 2 / BU	Function Port 3 Port 4	Pin/Color 3 / WH/BK 4 / RD/BK	VBM 40-RSF120 VBM 40-P7X5-RSF120

Functional Wiring Diagrams

**(No LED Version)
1 Signal Per Port**



**(PNP LED Version)
1 Signal Per Port**

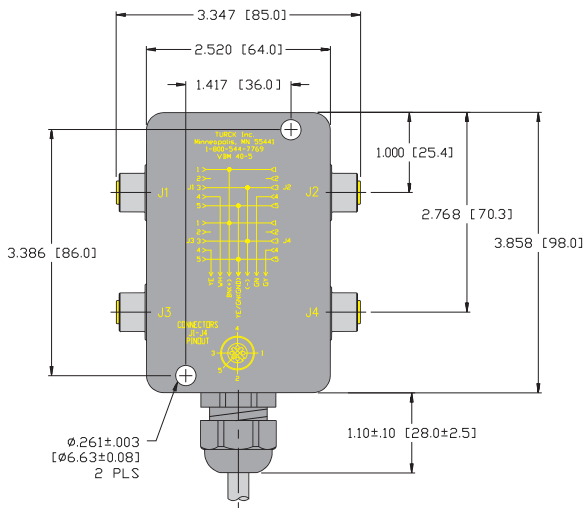


Specifications

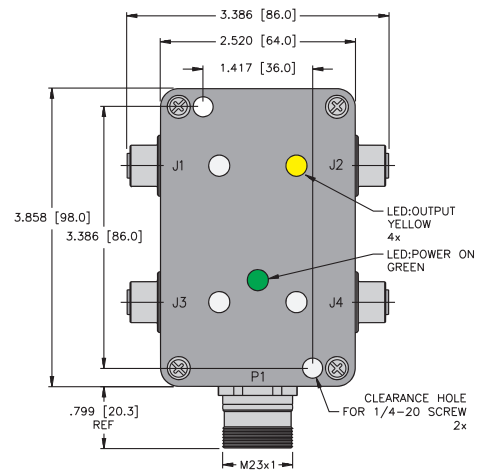
Housing:	Die-cast aluminum alloy
Connectors:	euromast : Nylon or TPU
Contacts:	Gold plated brass
Thread Inserts:	Nickel plated brass
Cable:	See table
Temperature:	-30°C to +80°C (-22°F to +176°F)
Protection:	IEC IP67
Accessories:	(2) VZ 3 closure caps included
Cable Length:	Standard length for junction boxes and multifast ® series quick disconnect cordsets is nominal 5 meters Other lengths available by request. Consult factory

Dimensions

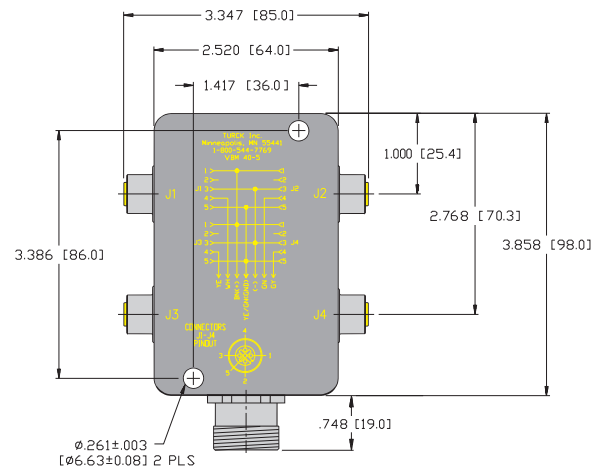
4-Port with Integral Home Run Cable



4-Port with multifast Home Run Connector



4-Port with minifast Home Run Connector



Notes:

1. For mating CKM cordsets. See **multifast** pages.
2. For mating RKM cordsets. See **minifast** pages.

Pinout

Female	Male	Male
5-pin euromast	12-pin minifast	12-pin multifast

Multibox, euromast



multibox® eurofast® Junction Boxes, 8-Port, Metal

Single Input/Output Per Port
Metal Housing with Side Connectors
For DC Sensors and Actuators

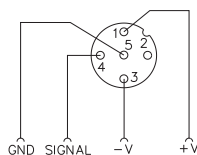
M23 Quick Disconnect, *minifast* Connector, or Integral Home run Cable
Available with or without LEDs

8-port, 1 Signal Per Port, 10-48 VDC

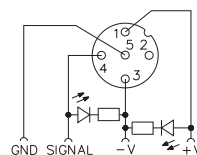
Application	Specifications	Pinout		No LEDs	PNP LEDs	
8-port J-box 1 signal per port Metal box Integral cable	4 A/port, 10 A total Yellow PVC cable 11x18 AWG, foil shield and 20 AWG drain	Function +V -V Ground Port 1 Port 2 Port 3	Color BN BU GN / YE WH GN YE	Function Port 4 Port 5 Port 6 Port 7 Port 8	Color GY PK RD BK VT	VBM 80-* VBM 80-P7X9-*
8-port J-box 1 signal per port Metal box multifast connector	4 A/port, 8 A total 12-pin multifast connector 9 conductors Mates with CKM 12-11-*	Function +V -V Ground Port 1 Port 2 Port 3	Pin / Color 1 / BN 3 / BU 12 / GN/YE 4 / WH 5 / GN 6 / YE	Function Port 4 Port 5 Port 6 Port 7 Port 8	Pin / Color 7 / GY 8 / PK 9 / RD 10 / BK 11 / VT	VBM 80-CS12 VBM 80-P7X9-CS12
8-port J-box 1 signal per port Metal box minifast connector	4 A/port, 7 A total 12-pin minifast connector 9 conductors, Mates with RKM 126- CSA Certified	Function +V -V Ground Port 1 Port 2	Pin/Color 10 / RD 11 / WH 12 / BK 1 / OG 2 / BU	Function Port 3 Port 4 Port 5 Port 6 Port 7 Port 8	Pin/Color 3 / WH/BK 4 / RD/BK 5 / GN/BK 6 / OG/BK 7 / BU/BK 8 / BK/WH	VBM 80-RSF120 VBM 80-P7X9-RSF120

Functional Wiring Diagrams

**(No LED Version)
1 Signal Per Port**



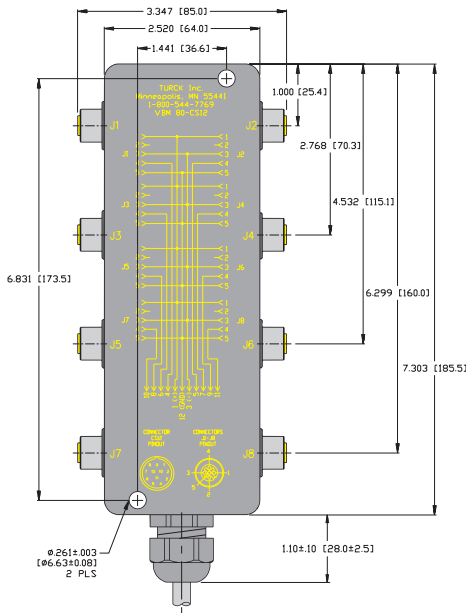
**(PNP LED Version)
1 Signal Per Port**



Specifications

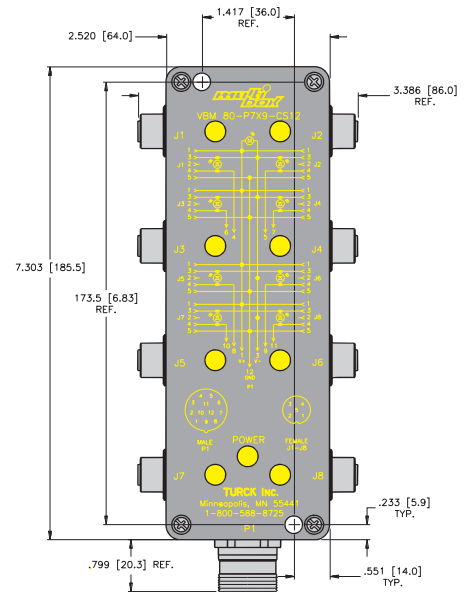
Housing:	Die-cast aluminum alloy
Connectors:	euromast : Nylon or TPU
Contacts:	Gold plated brass
Thread Inserts:	Nickel plated brass
Cable:	See table
Temperature:	-30°C to +80°C (-22°F to +176°F)
Protection:	IEC IP67
Accessories:	(2) VZ 3 closure caps included
Cable Length:	Standard length for junction boxes and multifast ® series quick disconnect cordsets is nominal 5 meters Other lengths available by request. Consult factory

8-Port with Integral Home Run Cable

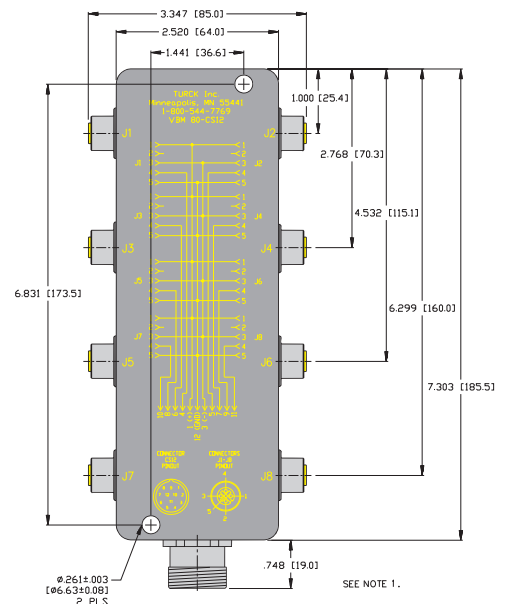


Dimensions

8-Port with multifast Home Run Connector



8-Port with minifast Home Run Connector



Notes:

1. For mating CKM cordsets. See **multifast** pages.
2. For mating RKM cordsets. See **minifast** pages.

Pinout

Female	Male	Male
5-pin euromast	12-pin minifast	12-pin multifast

Multibox, euromast



multibox° *eurofast*° Junction Box, 16-port

Single Input/ Output per Port
Rugged Plastic Housing with Flush Connectors

Quick Disconnect
Available with LEDs

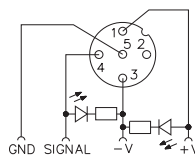


16-port, 1-Signal per Port, 10-48 VDC

Application	Specifications	Pinout	PNP LED																																												
16-port J-box 1 signal per port multifast connector	4 A/port 8 A total 12-pin multifast connector Mates with CKM 19-19- CSA Certified	<table border="0"> <tr> <td>Function</td> <td>Pin / Color</td> <td>Function</td> <td>Pin / Color</td> </tr> <tr> <td>+V</td> <td>19 / BN</td> <td>Port 7</td> <td>3 / GY</td> </tr> <tr> <td>-V</td> <td>6 / BU</td> <td>Port 8</td> <td>14 / BN / GN</td> </tr> <tr> <td>Ground</td> <td>12 / GN / YE</td> <td>Port 9</td> <td>17 / PK</td> </tr> <tr> <td>Port 1</td> <td>15 / WH</td> <td>Port 10</td> <td>9 / WH / YE</td> </tr> <tr> <td>Port 2</td> <td>7 / GY / PK</td> <td>Port 11</td> <td>2 / RD</td> </tr> <tr> <td>Port 3</td> <td>5 / GN</td> <td>Port 12</td> <td>13 / YE / BN</td> </tr> <tr> <td>Port 4</td> <td>4 / RD / BU</td> <td>Port 13</td> <td>11 / BK</td> </tr> <tr> <td>Port 5</td> <td>16 / YE</td> <td>Port 14</td> <td>10 / WH / GY</td> </tr> <tr> <td>Port 6</td> <td>8 / WH / GN</td> <td>Port 15</td> <td>1 / VT</td> </tr> <tr> <td></td> <td></td> <td>Port 16</td> <td>18 / GY / BN</td> </tr> </table>	Function	Pin / Color	Function	Pin / Color	+V	19 / BN	Port 7	3 / GY	-V	6 / BU	Port 8	14 / BN / GN	Ground	12 / GN / YE	Port 9	17 / PK	Port 1	15 / WH	Port 10	9 / WH / YE	Port 2	7 / GY / PK	Port 11	2 / RD	Port 3	5 / GN	Port 12	13 / YE / BN	Port 4	4 / RD / BU	Port 13	11 / BK	Port 5	16 / YE	Port 14	10 / WH / GY	Port 6	8 / WH / GN	Port 15	1 / VT			Port 16	18 / GY / BN	16MB12-4P2-CS19
Function	Pin / Color	Function	Pin / Color																																												
+V	19 / BN	Port 7	3 / GY																																												
-V	6 / BU	Port 8	14 / BN / GN																																												
Ground	12 / GN / YE	Port 9	17 / PK																																												
Port 1	15 / WH	Port 10	9 / WH / YE																																												
Port 2	7 / GY / PK	Port 11	2 / RD																																												
Port 3	5 / GN	Port 12	13 / YE / BN																																												
Port 4	4 / RD / BU	Port 13	11 / BK																																												
Port 5	16 / YE	Port 14	10 / WH / GY																																												
Port 6	8 / WH / GN	Port 15	1 / VT																																												
		Port 16	18 / GY / BN																																												

Functional Wiring Diagram

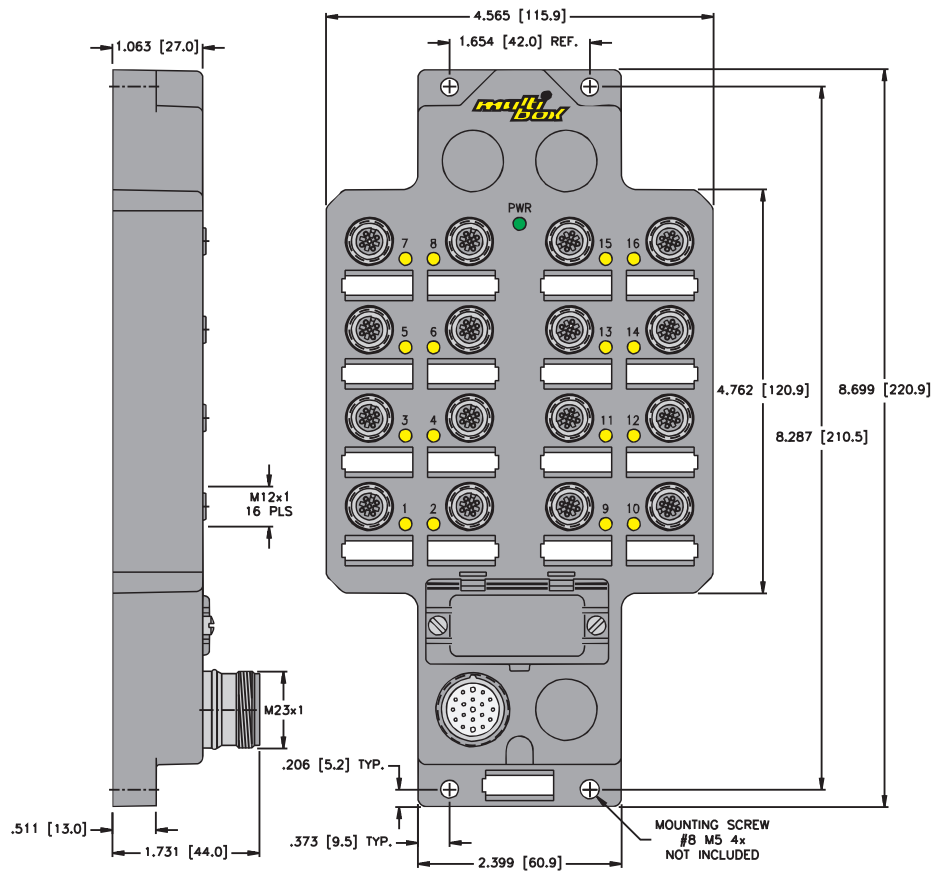
(PNP LED Version)
1 Signal Per Port



Specifications

Housing:	Nylon
Connectors:	Nylon/BK (1,1A-8,8A), Nitrile/Yellow (P1)
Contacts:	Gold plated brass
Thread Inserts:	Nickel plated brass
Temperature:	-30°C to +80°C (-22°F to +176°F)
Protection:	IEC IP67
Accessories:	Includes (2) VZ 3 closure caps and a VZ 1 label kit (16 labels) included
Cable Length:	Standard length is nominal 5 meters. Other lengths available upon request - Consult factory

Dimensions



Pinout

Female	Male
5-pin eurofast	19-pin multifast

Multibox, eurofast



multibox® eurofast® AC/DC Junction Box, 4-Port

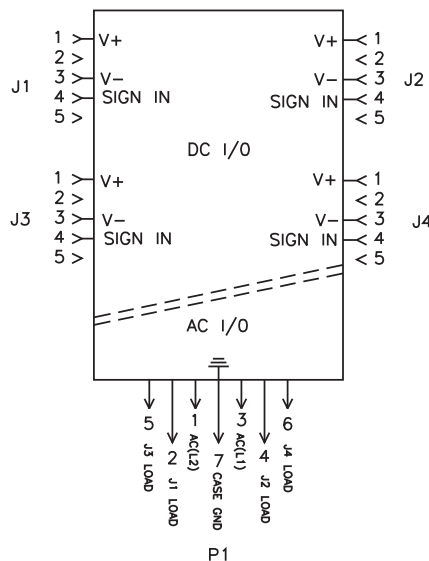
4 Ports for connecting DC sensors
Integrated DC power supply
Solid-State AC output from DC sensors

LED shows power supply function
Home run wiring matches standard AC style junction boxes for easy installation

4-port, 85-132 VAC

Application	Specifications	Pinout	Part Number																
4-Port J-box for DC sensors in AC applications	85 - 132 VAC input VDC output to sensors 100 mA output per port 7-pin <i>minifast</i> ® connector Mates with RKM 76-*M	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Pin/Color</u></td> </tr> <tr> <td>L1 AC Common</td> <td>3 / WH</td> </tr> <tr> <td>L2 AC</td> <td>1 / WH / BK</td> </tr> <tr> <td>Ground</td> <td>7 / GN</td> </tr> <tr> <td>J1 Load (L2)</td> <td>2 / BK</td> </tr> <tr> <td>J2 Load (L2)</td> <td>4 / RD</td> </tr> <tr> <td>J3 Load (L2)</td> <td>5 / OG</td> </tr> <tr> <td>J4 Load (L2)</td> <td>6 / BU</td> </tr> </table>	<u>Function</u>	<u>Pin/Color</u>	L1 AC Common	3 / WH	L2 AC	1 / WH / BK	Ground	7 / GN	J1 Load (L2)	2 / BK	J2 Load (L2)	4 / RD	J3 Load (L2)	5 / OG	J4 Load (L2)	6 / BU	VBM-AC/DC/AC-RSM 70/ADAPTER BOX
<u>Function</u>	<u>Pin/Color</u>																		
L1 AC Common	3 / WH																		
L2 AC	1 / WH / BK																		
Ground	7 / GN																		
J1 Load (L2)	2 / BK																		
J2 Load (L2)	4 / RD																		
J3 Load (L2)	5 / OG																		
J4 Load (L2)	6 / BU																		

Functional Wiring Diagram

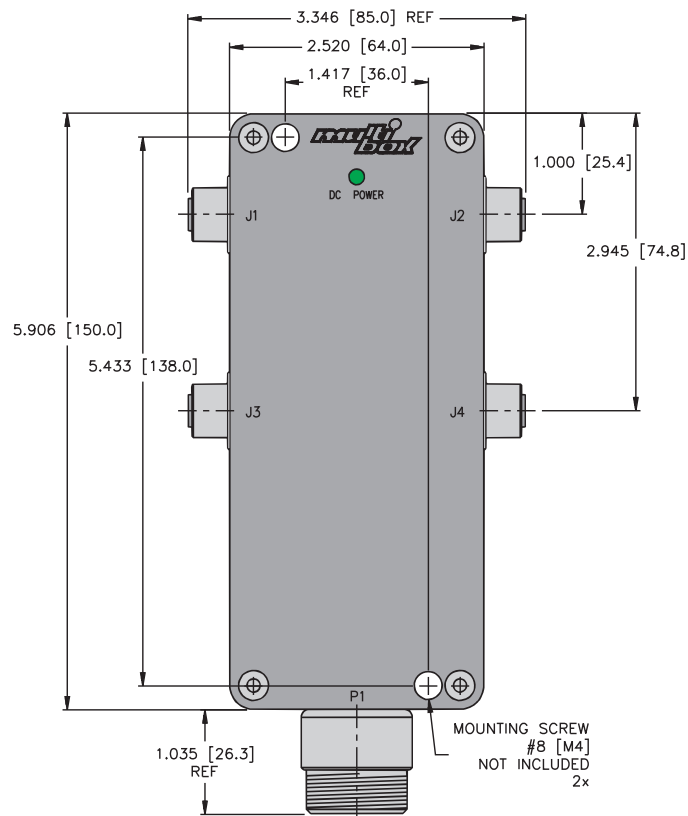


Specifications

Housing:	Die cast aluminum alloy
Contact Carrier:	eurofast ®: Nylon or TPU. minifast ®: TPU
Contacts:	Gold plated brass
Thread Inserts:	Nickel plated brass
Temperature:	-30°C to +70°C (-22°C to +158°F)
Protection:	IEC IP67
Accessories:	VZ 3 Closure Caps (2 included)

Dimensions

4-Port



Pinout

Female	Male
5-pin eurofast	7-pin minifast



multibox *picofast* Junction Boxes, 4-port, 3-Pin

Snap Lock or Threaded Connectors Available with or without LEDs

M12 Quick Disconnect or Integral Home Run Cable

4-port, Snap Lock, 10-48 VDC

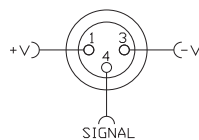
Application	Specifications	Pinout	No LEDs	PNP LED
4-port J-box Snap lock connectors Top Integral cable	3 A/port, 3 A total Black PVC 6x24 AWG	Function Color +V BN -V BU	VB 403Z-*	VB 403Z-PX5-*
4-port J-box 1 signal per port Snap lock connectors Side Integral cable	3 A/port 4 A total Black PVC cable 6x24 AWG	Port 1 WH Port 2 GN Port 3 YE Port 4 GY	VB 403Z- <i>C</i>	VB 403Z-PX5- <i>C</i>
4-port J-box Snap lock connectors eurofast connector	3 A/port, 3 A total 8-pin eurofast connector 6 conductors mates with RKC 8.6T-*	Function Pin +V 5 -V 7 Port 1 1 Port 2 2 Port 3 3 Port 4 4	VB 403Z-FS 8	VB 403Z-PX5-FS 8

4-port, Threaded, 10-48 VDC

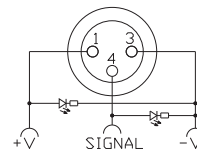
Application	Specifications	Pinout	No LEDs	PNP LED
4-port J-box Threaded connectors Top Integral connector	3 A/port, 3 A total Black PVC 6x24 AWG	Function Color +V BN -V BU	VB 403M-*	VB 403M-PX5-*
4-port J-box 1 signal per port Threaded conductors Side Integral cable	3 A/port 4 A total Black PVC cable 6x24 AWG	Port 1 WH Port 2 GN Port 3 YE Port 4 GY	VB 403M- <i>C</i>	VB 403M-PX5- <i>C</i>
4-port J-box Threaded connectors eurofast connector	3 A/port, 3 A total 8-pin eurofast connector 6 conductors mates with RKC 8.6T-*	Function Pin +V 5 -V 7 Port 1 1 Port 2 2 Port 3 3 Port 4 4	VB 403M-FS 8	VB 403M-PX5-FS 8

Functional Wiring Diagrams

No LED Version



LED Version

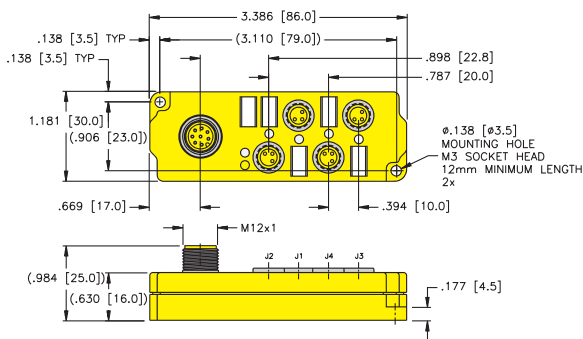


Specifications

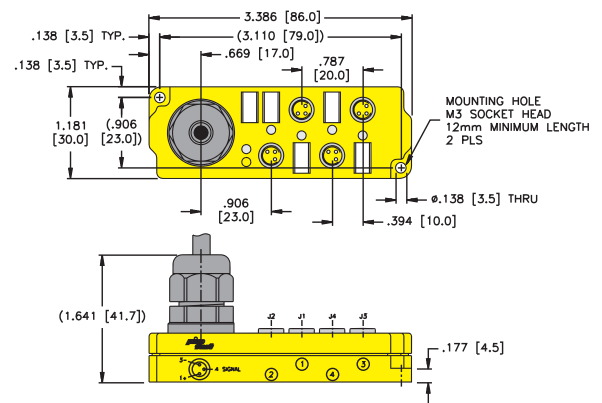
Housing:	Nylon
Connectors:	TPU (<i>picofast</i> [®]); nylon or TPU (<i>eurofast</i> [®]); PETP (M16)
Contacts:	Gold plated brass
Thread Inserts:	Nickel plated brass
Cable:	See table
Temperature:	-30 C to +80 C (-22 F to +176 F)
Protection Class:	IEC IP67
Accessories:	KS 5/10 labels, 2 pieces PSG-CC (snap lock) or PSGM-CC (threaded) included
Cable length:	Standard length is nominal 5 meters Other lengths available by request - Consult factory

Dimensions

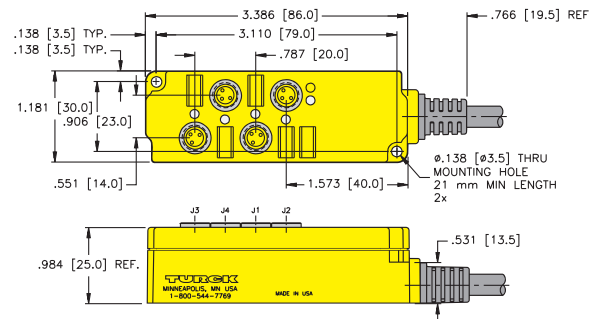
4-Port with *eurofast* Home Run Connector



4-Port with Integral Home Run Cable



4-Port with Side Integral Home Run Cable



Pinout

Female	Male
3-pin <i>picofast</i>	8-pin <i>eurofast</i>

Multibox, picofast



multibox® *pico fast*® Junction Boxes, 8-port, 3-Pin

Snap Lock or Threaded Connectors
Available with or without LEDs

M16 Quick Disconnect or Integral
Home Run Cable

8-port, Snap Lock, 10-48 VDC

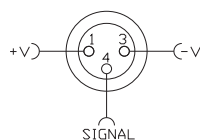
Application	Specifications	Pinout	No LEDs	PNP LED																								
8-port j-box Snap lock connectors Top Integral cable	3 A/port, 3 A total Black PVC cable 10x24 AWG	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Color</u></td> <td><u>Function</u></td> <td><u>Color</u></td> </tr> <tr> <td>+V</td> <td>BN</td> <td>Port 4</td> <td>GY</td> </tr> <tr> <td>-V</td> <td>BU</td> <td>Port 5</td> <td>PK</td> </tr> <tr> <td>Port 1</td> <td>WH</td> <td>Port 6</td> <td>RD</td> </tr> <tr> <td>Port 2</td> <td>GN</td> <td>Port 7</td> <td>BK</td> </tr> <tr> <td>Port 3</td> <td>YE</td> <td>Port 8</td> <td>VT</td> </tr> </table>	<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>	+V	BN	Port 4	GY	-V	BU	Port 5	PK	Port 1	WH	Port 6	RD	Port 2	GN	Port 7	BK	Port 3	YE	Port 8	VT	VB 803Z-*	VB 803Z-PX9-*
<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>																									
+V	BN	Port 4	GY																									
-V	BU	Port 5	PK																									
Port 1	WH	Port 6	RD																									
Port 2	GN	Port 7	BK																									
Port 3	YE	Port 8	VT																									
8-port J-box 1 signal per port Snap lock connectors Side Integral cable	3 A/port, 4 A total Black PVC cable 10x24 AWG	<table border="0"> <tr> <td>Port 1</td> <td>WH</td> <td>Port 6</td> <td>RD</td> </tr> <tr> <td>Port 2</td> <td>GN</td> <td>Port 7</td> <td>BK</td> </tr> <tr> <td>Port 3</td> <td>YE</td> <td>Port 8</td> <td>VT</td> </tr> </table>	Port 1	WH	Port 6	RD	Port 2	GN	Port 7	BK	Port 3	YE	Port 8	VT	VB 803Z-*C	VB 803Z-PX9*C												
Port 1	WH	Port 6	RD																									
Port 2	GN	Port 7	BK																									
Port 3	YE	Port 8	VT																									
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8-port, Threaded, 10-48 VDC

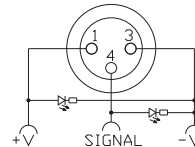
Application	Specifications	Pinout	No LEDs	PNP LED																								
8-port j-box Threaded connectors Top Integral cable	3 A/port, 3 A total Black PVC cable 10x24 AWG	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Color</u></td> <td><u>Function</u></td> <td><u>Color</u></td> </tr> <tr> <td>+V</td> <td>BN</td> <td>Port 4</td> <td>GY</td> </tr> <tr> <td>-V</td> <td>BU</td> <td>Port 5</td> <td>PK</td> </tr> <tr> <td>Port 1</td> <td>WH</td> <td>Port 6</td> <td>RD</td> </tr> <tr> <td>Port 2</td> <td>GN</td> <td>Port 7</td> <td>BK</td> </tr> <tr> <td>Port 3</td> <td>YE</td> <td>Port 8</td> <td>VT</td> </tr> </table>	<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>	+V	BN	Port 4	GY	-V	BU	Port 5	PK	Port 1	WH	Port 6	RD	Port 2	GN	Port 7	BK	Port 3	YE	Port 8	VT	VB 803M-*	VB 803M-PX9-*
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8-port J-box 1 signal per port Threaded connectors Side Integral cable	3 A/port, 4 A total Black PVC cable 10x24 AWG	<table border="0"> <tr> <td>Port 1</td> <td>WH</td> <td>Port 6</td> <td>RD</td> </tr> <tr> <td>Port 2</td> <td>GN</td> <td>Port 7</td> <td>BK</td> </tr> <tr> <td>Port 3</td> <td>YE</td> <td>Port 8</td> <td>VT</td> </tr> </table>	Port 1	WH	Port 6	RD	Port 2	GN	Port 7	BK	Port 3	YE	Port 8	VT	VB 803M-*C	VB 803M-PX9-*C												
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Functional Wiring Diagrams

No LED Version



LED Version

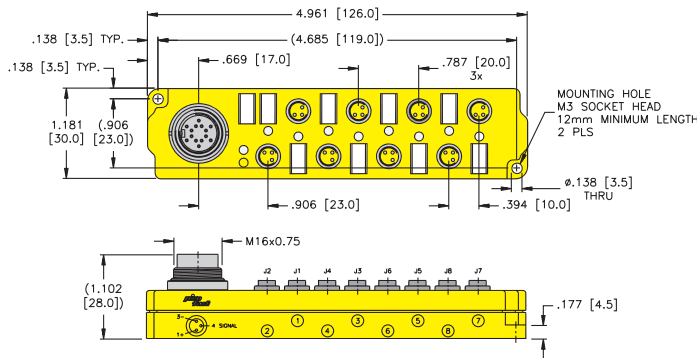


Specifications

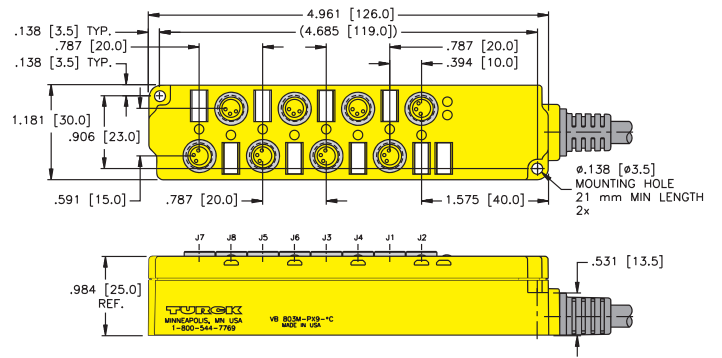
Housing:	Nylon
Connectors:	TPU (<i>picofast</i> [®]); nylon or TPU (<i>eufofast</i> [®]); PETP (M16)
Contacts:	Gold plated brass
Thread Inserts:	Nickel plated brass
Cable:	See table
Temperature:	-30 C to +80 C (-22 F to +176 F)
Protection Class:	IEC IP 67
Accessories:	KS 5/10 labels, 2 pieces PSG-CC (snap lock) or PSGM-CC (threaded) included
Cable Length:	Standard length for junction boxes and M16 quick disconnect cordsets is nominal 5 meters Other lengths available by request. Consult factory

Dimensions

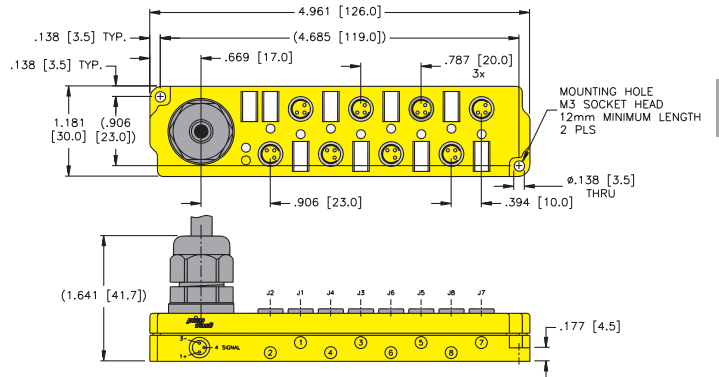
8-Port with *eufofast* Home Run Connector



8-Port with Side Integral Home Run Cable



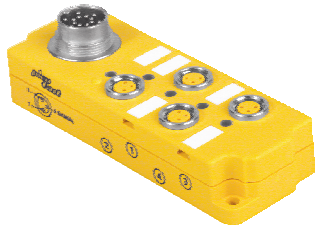
8-Port with Top Integral Home Run Cable



Pinout

Female	Male
3-pin <i>picofast</i>	14-pin <i>versafast</i>[®]

Multibox, *picofast*



multibox° *picofast*° Junction Boxes, 4-port, 4-pin

Dual Input/Output per Port
Snap Lock or Threaded Connectors

M16 Quick Disconnect or Integral
Home Run Cable

4-port, 4-pin, Snap Lock, 10-48 VDC

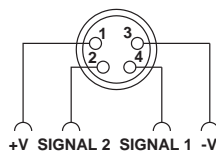
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<u>Function</u>		<u>Color</u>	<u>Function</u>	<u>Color</u>																											
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4-port, 4-pin, Threaded, 10-48 VDC

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Port 1/2	N/PK	Port 4/4	S/VT																												

* Cable length in meters.

Functional Wiring Diagrams

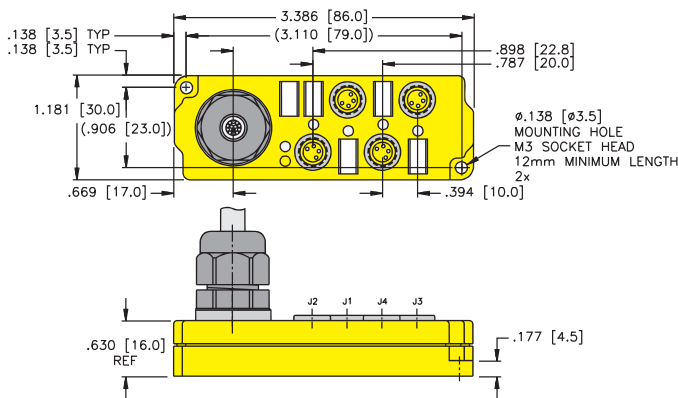


Specifications

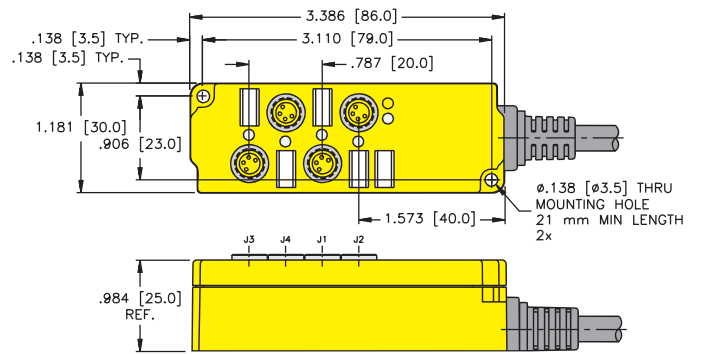
- Housing:** Nylon
- Connectors:** TPU or nylon (J1-J4) or Nylon P1
- Contacts:** Gold plated brass
- Thread Inserts:** Nickel plated brass
- Cable:** See table
- Temperature:** -30°C to +80°C (-22°F to +176°F)
- Protection:** IEC IP67
- Accessories:** KS 5/10 labels, 2 pieces PSG-CC (snap lock) or PSGM-CC (threaded) included
- Cable Length:** Standard length is nominal 5 meters
- Recommended Splitter:** YP2-MFS 4/2MFK 3, for threaded version only

Dimensions

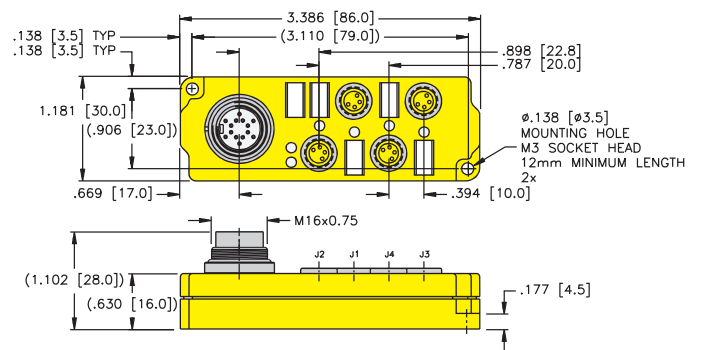
4-Port with Top Integral Home Run Cable



4-Port with Side Integral Home Run Cable



4-Port with versafast Home Run Connector



Pinout

Female	Male
4-pin picofast	14-pin versafast

Multibox, picofast



multibox° *picofast*° Junction Boxes, 8-port, 4-pin

Dual Input/Output per Port
Snap Lock or Threaded Connectors

M16 Quick Disconnect or Integral
Home Run Cable

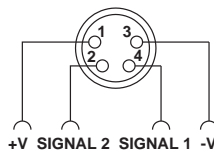
4-port, 4-pin, Snap Lock, 10-48 VDC

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+V	BN	Port 5/2	PK																																								
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8-port J-box 2 signals per port Snap lock connectors Side integral cable			VB 804Z-*C																																								
8-port J-box 2 signals per port Snap lock connectors M16 connector	3 A/port, 4 A total 19-pin M16 connector 18 conductor Mates with BKM 19-995-*	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Pin/Color</u></td> <td><u>Function</u></td> <td><u>Pin/Color</u></td> </tr> <tr> <td>+V</td> <td>L/BN</td> <td>Port 4/4</td> <td>P/WH</td> </tr> <tr> <td>-V</td> <td>A/BU</td> <td>Port 5/2</td> <td>G/PK</td> </tr> <tr> <td>Port 1/2</td> <td>R/RD</td> <td>Port 5/4</td> <td>S/GY</td> </tr> <tr> <td>Port 1/4</td> <td>M/OG</td> <td>Port 6/2</td> <td>K/YE/BN</td> </tr> <tr> <td>Port 2/2</td> <td>O/VT</td> <td>Port 6/4</td> <td>T/YE</td> </tr> <tr> <td>Port 2/4</td> <td>C/RD/BU</td> <td>Port 7/2</td> <td>B/GY/PK</td> </tr> <tr> <td>Port 3/2</td> <td>N/GY/BN</td> <td>Port 7/4</td> <td>D/WH/GN</td> </tr> <tr> <td>Port 3/4</td> <td>U/TN</td> <td>Port 8/2</td> <td>H/WH/YE</td> </tr> <tr> <td>Port 4/2</td> <td>E/BK</td> <td>Port 8/4</td> <td>I/GN</td> </tr> </table>	<u>Function</u>	<u>Pin/Color</u>	<u>Function</u>	<u>Pin/Color</u>	+V	L/BN	Port 4/4	P/WH	-V	A/BU	Port 5/2	G/PK	Port 1/2	R/RD	Port 5/4	S/GY	Port 1/4	M/OG	Port 6/2	K/YE/BN	Port 2/2	O/VT	Port 6/4	T/YE	Port 2/4	C/RD/BU	Port 7/2	B/GY/PK	Port 3/2	N/GY/BN	Port 7/4	D/WH/GN	Port 3/4	U/TN	Port 8/2	H/WH/YE	Port 4/2	E/BK	Port 8/4	I/GN	VB 804Z-BS19
<u>Function</u>	<u>Pin/Color</u>	<u>Function</u>	<u>Pin/Color</u>																																								
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8-port, 4-pin, Threaded, 10-48 VDC

Application	Specifications	Pinout	Part Number																																								
8-port J-box 2 signals per port Threaded connectors Top integral cable	3 A/port, 4 A total Black PVC cable 10x24 AWG	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Color</u></td> <td><u>Function</u></td> <td><u>Color</u></td> </tr> <tr> <td>-V</td> <td>BU</td> <td>Port 4/4</td> <td>WH</td> </tr> <tr> <td>+V</td> <td>BN</td> <td>Port 5/2</td> <td>PK</td> </tr> <tr> <td>Port 1/2</td> <td>RD</td> <td>Port 5/4</td> <td>GY</td> </tr> <tr> <td>Port 1/4</td> <td>OG</td> <td>Port 6/2</td> <td>YE / BN</td> </tr> <tr> <td>Port 2/2</td> <td>VT</td> <td>Port 6/4</td> <td>YE</td> </tr> <tr> <td>Port 2/4</td> <td>RD / BI</td> <td>Port 7/2</td> <td>GY / PK</td> </tr> <tr> <td>Port 3/2</td> <td>GY / BN</td> <td>Port 7/4</td> <td>WH / GN</td> </tr> <tr> <td>Port 3/4</td> <td>Tn</td> <td>Port 8/2</td> <td>WH/ YE</td> </tr> <tr> <td>Port 4/2</td> <td>BK</td> <td>Port 8/4</td> <td>GN</td> </tr> </table>	<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>	-V	BU	Port 4/4	WH	+V	BN	Port 5/2	PK	Port 1/2	RD	Port 5/4	GY	Port 1/4	OG	Port 6/2	YE / BN	Port 2/2	VT	Port 6/4	YE	Port 2/4	RD / BI	Port 7/2	GY / PK	Port 3/2	GY / BN	Port 7/4	WH / GN	Port 3/4	Tn	Port 8/2	WH/ YE	Port 4/2	BK	Port 8/4	GN	VB 804M-*
<u>Function</u>		<u>Color</u>	<u>Function</u>	<u>Color</u>																																							
-V	BU	Port 4/4	WH																																								
+V	BN	Port 5/2	PK																																								
Port 1/2	RD	Port 5/4	GY																																								
Port 1/4	OG	Port 6/2	YE / BN																																								
Port 2/2	VT	Port 6/4	YE																																								
Port 2/4	RD / BI	Port 7/2	GY / PK																																								
Port 3/2	GY / BN	Port 7/4	WH / GN																																								
Port 3/4	Tn	Port 8/2	WH/ YE																																								
Port 4/2	BK	Port 8/4	GN																																								
8-port J-box 2 signals per port Threaded connectors Side integral cable			VB 804M-*C																																								
8-port J-box 2 signals per port Threaded connectors M16 connector	3 A/port, 4 A total 19-pin M16 connector 18 conductor Mates with BKM 19-995-*	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Pin/Color</u></td> <td><u>Function</u></td> <td><u>Pin/Color</u></td> </tr> <tr> <td>+V</td> <td>L/BN</td> <td>Port 4/4</td> <td>P/WH</td> </tr> <tr> <td>-V</td> <td>A/BU</td> <td>Port 5/2</td> <td>G/PK</td> </tr> <tr> <td>Port 1/2</td> <td>R/RD</td> <td>Port 5/4</td> <td>S/GY</td> </tr> <tr> <td>Port 1/4</td> <td>M/OG</td> <td>Port 6/2</td> <td>K/YE/BN</td> </tr> <tr> <td>Port 2/2</td> <td>O/VT</td> <td>Port 6/4</td> <td>T/YE</td> </tr> <tr> <td>Port 2/4</td> <td>C/RD/BU</td> <td>Port 7/2</td> <td>B/GY/PK</td> </tr> <tr> <td>Port 3/2</td> <td>N/GY/BN</td> <td>Port 7/4</td> <td>D/WH/GN</td> </tr> <tr> <td>Port 3/4</td> <td>U/TN</td> <td>Port 8/2</td> <td>H/WH/YE</td> </tr> <tr> <td>Port 4/2</td> <td>E/BK</td> <td>Port 8/4</td> <td>I/GN</td> </tr> </table>	<u>Function</u>	<u>Pin/Color</u>	<u>Function</u>	<u>Pin/Color</u>	+V	L/BN	Port 4/4	P/WH	-V	A/BU	Port 5/2	G/PK	Port 1/2	R/RD	Port 5/4	S/GY	Port 1/4	M/OG	Port 6/2	K/YE/BN	Port 2/2	O/VT	Port 6/4	T/YE	Port 2/4	C/RD/BU	Port 7/2	B/GY/PK	Port 3/2	N/GY/BN	Port 7/4	D/WH/GN	Port 3/4	U/TN	Port 8/2	H/WH/YE	Port 4/2	E/BK	Port 8/4	I/GN	VB 804M-BS19
<u>Function</u>	<u>Pin/Color</u>	<u>Function</u>	<u>Pin/Color</u>																																								
+V	L/BN	Port 4/4	P/WH																																								
-V	A/BU	Port 5/2	G/PK																																								
Port 1/2	R/RD	Port 5/4	S/GY																																								
Port 1/4	M/OG	Port 6/2	K/YE/BN																																								
Port 2/2	O/VT	Port 6/4	T/YE																																								
Port 2/4	C/RD/BU	Port 7/2	B/GY/PK																																								
Port 3/2	N/GY/BN	Port 7/4	D/WH/GN																																								
Port 3/4	U/TN	Port 8/2	H/WH/YE																																								
Port 4/2	E/BK	Port 8/4	I/GN																																								

Functional Wiring Diagrams

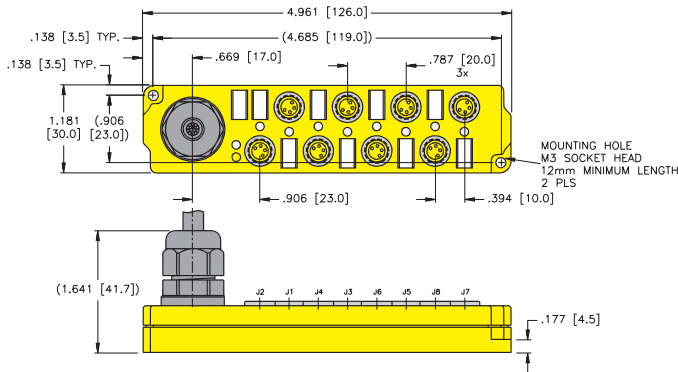


Specifications

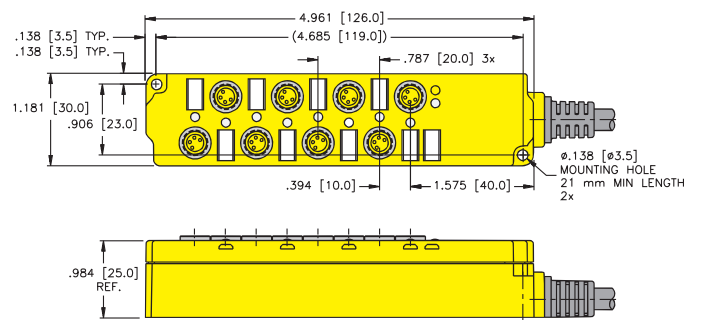
- Housing:** Nylon/yellow
- Connectors:** TPU or nylon (J1-8), Nylon (P1)
- Contacts:** Gold plated brass
- Thread Inserts:** Nickel plated brass
- Cable:** See table
- Temperature:** -30°C to +80°C (-22°F to +176°F)
- Protection:** IEC IP67
- Accessories:** KS 5/10 labels, 2 pieces PSG-CC (snap lock) or PSGM-CC (threaded) included
- Cable Length:** Standard length is nominal 5 meters
- Recommended Splitter:** YP2-MFS 4/2 MFK3, for threaded version only

Dimensions

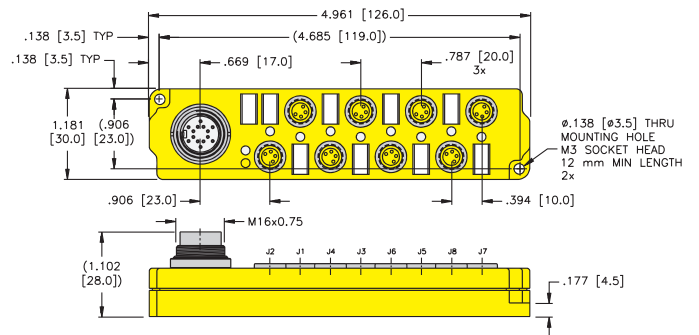
4-Port with Top Integral Home Run Cable



4-Port with Side Integral Home Run Cable



4-Port with versafast Home Run Connector



Pinout

Female	Male
4-pin picofast	19-pin versafast

Multibox, picofast



multibox® *picofast*® Junction Boxes, 10-port

10 Inputs/Outputs
M16 Quick Disconnect or Integral
Home Run Cable

For Use with 3-pin Snap Lock
***picofast* Cordsets**
Available with or without LEDs

10-port, J-box, Snap Lock, 48 VDC

Application	Specifications	Pinout		No LEDs	PNP LED
10-port J-box Standard wiring Integral cable	3 A/port, 3 A total Black PVC cable 12x24 AWG Foil shield and 26 AWG drain	<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>
		+V	BN	Port 5	Tn
		-V	BU	Port 6	WH
		Port 1	RD	Port 7	GN
		Port 2	BK	Port 8	YE
Port 3	VT	Port 9	GY		
Port 4	OG	Port 10	PK		
				VB 1003-*	VB 1003-PX10-*



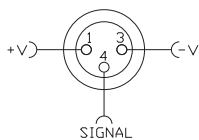
10-port, J-box, Snap Lock, 48 VDC

Application	Specifications	Pinout		No LEDs	PNP LED
10-port J-box Standard wiring M16 connector	3 A/port, 3 A total 14 pin connector M16 threads Mates with BKM 14-755-* or BKWM 14-755-*	<u>Function</u>	<u>Pin/Color</u>	<u>Function</u>	<u>Pin/Color</u>
		+V	M/BN	Port 5	N/TN
		-V	U/BU	Port 6	R/WH
		Port 1	P/RD	Port 7	G/GN
		Port 2	E/BK	Port 8	S/YE
Port 3	O/VT	Port 9	J/GY		
Port 4	C/OG	Port 10	T/PK		
				VB 1003-BS14	VB 1003-PX10-BS14

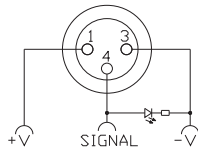
* Length in meters

Functional Wiring Diagrams

No LED Version



PNP LED Version



Pinouts

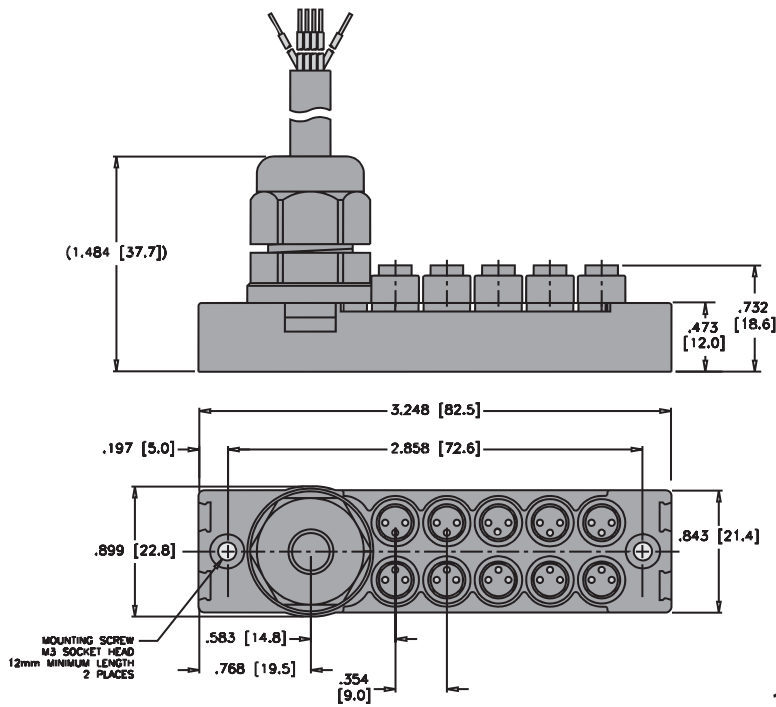
Female	Male
3-pin <i>picofast</i>	14-pin <i>versafast</i> ®

Specifications

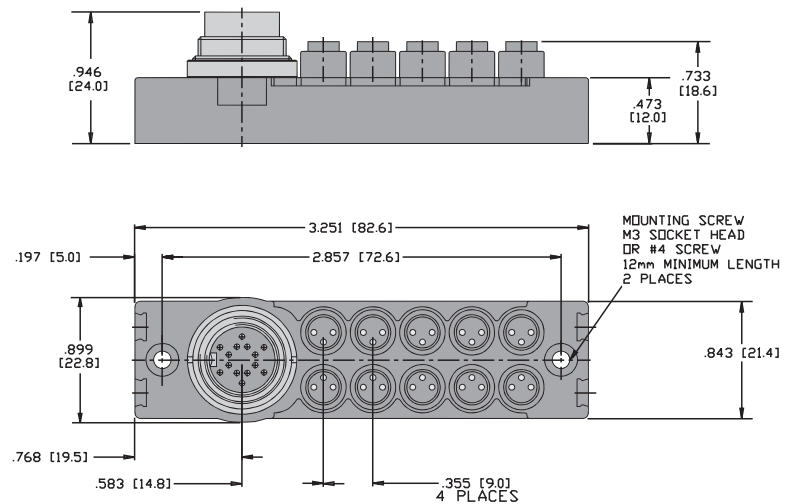
Housing:	Nylon
Connectors:	TPU or Nylon
Contacts:	Gold plated brass
Temperature:	-30°C to +80°C (-22°F to +176°F)
Protection Class:	IEC IP67
Accessories:	Closure cap, PSG-CC (optional - 2 included)
Cable Length:	Standard length for junction boxes and M16 cordsets is nominal 5 meters Other lengths available by request - Consult factory

Dimensions

10-Port with Integral Home Run Cable



10-Port with M16 Home Run Connector



Multibox, picofast



multibox[®] pentafast[®] Junction Boxes, 4-port

Single Input/Output per port
Threaded Connections
Available with LEDs

M12 Quick Disconnect or Integral
Home run cable

4-Port, 3-pin, Threaded, 10-30 VDC

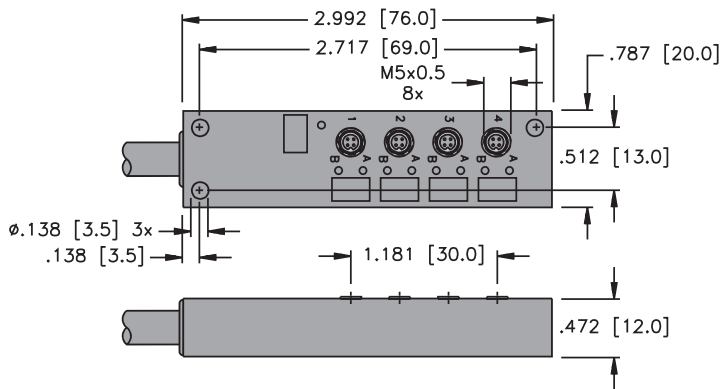
Application	Specifications	Pinout				PNP LED
4-Port j-box, 1 signal per port, threaded connectors, integral cable	1 A/port, 3 A total, Black TPU cable 2x24 AWG PWR Pair, 4x26 Signal	<u>Function</u> +V -V Port 1	<u>Color</u> BN BU WH	<u>Function</u> Port 2 Port 3 Port 4	<u>Color</u> GN YE GY	VBV 403M-PX5-*M/S90
4-Port j-box, 1 signal per port, threaded connectors, euromast[®] connector	1 A/port, 3 A total, 12-pin euromast[®] M12 connector, 12 conductors, Mates with RKC- 12T	<u>Function</u> +V -V Port 1/4	<u>Pin</u> 2 7 1	<u>Function</u> Port 2/4 Port 3/4 Port 4/4	<u>Pin</u> 3 4 5	VBV 403M-PX5-FS 12

Specifications

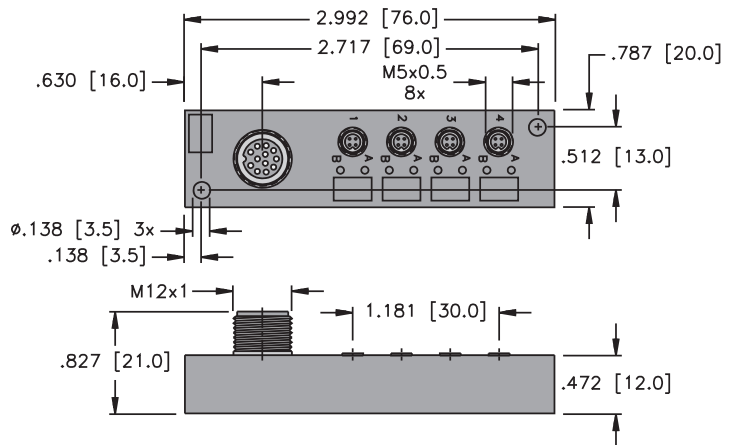
Housing:	Nylon
Connectors:	Nylon
Contacts:	Gold plated brass
Threaded Inserts:	Nickel plated brass
Cable:	See table
Temperature:	-30°C to +80°C (-22°F to 176°F)
Protection Class:	IP67
Cable Length:	Standard length for junction boxes and multifast series quick disconnect cordsets in nominal 5 meters. Other lengths available by request - consult factory

Dimensions

VBV 403M-PX5-*M/S90



VBV 403M-PX5-FS 12



Multibox, pentafast

Pinout

Female	Male
3-pin pentafast	12-pin eurofast



multibox[®] pentafast[®] Junction Boxes, 8-port

Single Input/Output per port
Threaded Connections
Available with LEDs

M12 Quick Disconnect or Integral
Home run cable

8-Port, 3-pin, Threaded, 10-30 VDC

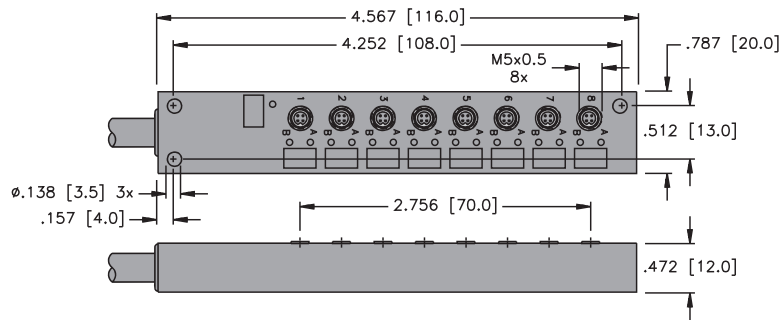
Application	Specifications	Pinout				PNP LED
8-Port j-box, 1 signal per port, threaded connectors, integral cable	1 A/port, 3 A total, Black TPU cable 2x24 AWG Pwr Pair, 8x26 Signal	<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>	VBV 803M-PX9-*M/S90
		+V	BN	Port 4	GY	
		-V	BU	Port 5	PK	
		Port 1	WH	Port 6	RD	
		Port 2	GN	Port 7	BK	
		Port 3	YE	Port 8	VT	
8-Port j-box, 1 signal per port, threaded connectors, eurofast[®] connector	3 A/port, 3 A total, 12-pin eurofast M12 connector, 12 conductors, Mates with RKC- 12T-*	<u>Function</u>	<u>Pin</u>	<u>Function</u>	<u>Pin</u>	VBV 803M-PX9-FS 12
		+V	2	Port 4	5	
		-V	7	Port 5	6	
		Port 1	1	Port 6	8	
		Port 2	3	Port 7	11	
		Port 3	4	Port 8	12	

Specifications

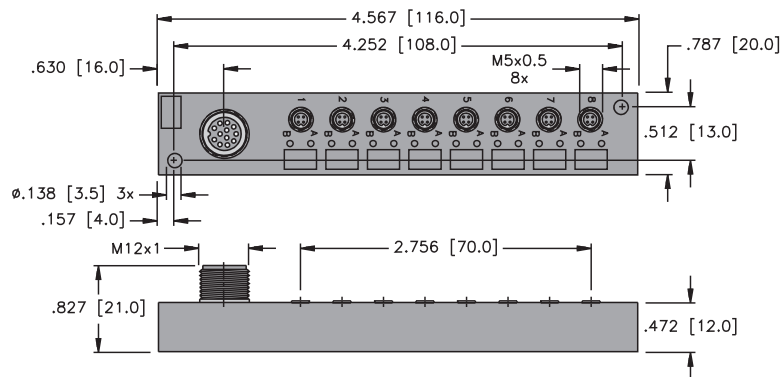
Housing:	Nylon
Connectors:	Nylon
Contacts:	Gold plated brass
Threaded Inserts:	Nickel plated brass
Cable:	See table
Temperature:	-30 C to +80 C (-22 F to 176 F)
Protection Class:	IP67
Cable Length:	Standard length for junction boxes and multifast series quick disconnect cordsets in nominal 5 meters. Other lengths available by request - consult factory

Dimensions

VBV 803M-PX9-*M/S90



VBV 803M-PX9-FS 12



Pinout

Female	Male
3-pin pentafast®	12-pin eurofast®



multibox[®] minifast[®] Junction Boxes, 3-Pin

4, 6 and 8 Ports

Simplifies Wiring Installations

M23 Quick Disconnect, *minifast* Connector or Integral Home Run Cable



4-port, 250 VAC/300 VDC

Application	Specifications	Pinout	Part Number																
4-port J-box Standard wiring Integral cable	4 A/port, 9 A total PVC cable, black, 6x18 AWG, foil shield and 20 AWG drain	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Color</u></td> <td><u>Function</u></td> <td><u>Color</u></td> </tr> <tr> <td>Common (L1)</td> <td>WH</td> <td>J2 Load (L2)</td> <td>OG</td> </tr> <tr> <td>Ground</td> <td>GN</td> <td>J3 Load (L2)</td> <td>BK</td> </tr> <tr> <td>J1 Load (L2)</td> <td>RD</td> <td>J4 Load (L2)</td> <td>BU</td> </tr> </table>	<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>	Common (L1)	WH	J2 Load (L2)	OG	Ground	GN	J3 Load (L2)	BK	J1 Load (L2)	RD	J4 Load (L2)	BU	4 RKF 30-*M
<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>																
Common (L1)	WH	J2 Load (L2)	OG																
Ground	GN	J3 Load (L2)	BK																
J1 Load (L2)	RD	J4 Load (L2)	BU																
4-port J-box Standard wiring <i>multifast</i> connector	4 A/port, 7 A total 12-pin <i>multifast</i> connector, 6 conductors, mates with CKRM 12-6-*	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Pin / Color</u></td> <td><u>Function</u></td> <td><u>Pin / Color</u></td> </tr> <tr> <td>Common (L1)</td> <td>5 / WH</td> <td>J2 Load (L2)</td> <td>1 / OG</td> </tr> <tr> <td>Ground</td> <td>7 / GN</td> <td>J3 Load (L2)</td> <td>4 / BK</td> </tr> <tr> <td>J1 Load (L2)</td> <td>6 / RD</td> <td>J4 Load (L2)</td> <td>2 / BU</td> </tr> </table>	<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>	Common (L1)	5 / WH	J2 Load (L2)	1 / OG	Ground	7 / GN	J3 Load (L2)	4 / BK	J1 Load (L2)	6 / RD	J4 Load (L2)	2 / BU	4 RKF 30-CS12
<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>																
Common (L1)	5 / WH	J2 Load (L2)	1 / OG																
Ground	7 / GN	J3 Load (L2)	4 / BK																
J1 Load (L2)	6 / RD	J4 Load (L2)	2 / BU																
4-port j-box Standard wiring <i>minifast</i> connector	4 A/port, 6 A total 6-pin <i>minifast</i> connector, 6 conductors, mates with RKM 61-*M	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Pin / Color</u></td> <td><u>Function</u></td> <td><u>Pin / Color</u></td> </tr> <tr> <td>Common (L1)</td> <td>1 / WH</td> <td>J2 Load (L2)</td> <td>4 / OG</td> </tr> <tr> <td>Ground</td> <td>3 / GN</td> <td>J3 Load (L2)</td> <td>5 / BK</td> </tr> <tr> <td>J1 Load (L2)</td> <td>2 / RD</td> <td>J4 Load (L2)</td> <td>6 / BU</td> </tr> </table>	<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>	Common (L1)	1 / WH	J2 Load (L2)	4 / OG	Ground	3 / GN	J3 Load (L2)	5 / BK	J1 Load (L2)	2 / RD	J4 Load (L2)	6 / BU	4 RKF 30-B1161
<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>																
Common (L1)	1 / WH	J2 Load (L2)	4 / OG																
Ground	3 / GN	J3 Load (L2)	5 / BK																
J1 Load (L2)	2 / RD	J4 Load (L2)	6 / BU																

6-port, 250 VAC/300 VDC

Application	Specifications	Pinout	Part Number																								
6-port J-box Standard wiring Integral cable	4 A/port, 9 A total PVC cable, black, 8x18 AWG, foil shield and 20 AWG drain	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Color</u></td> <td><u>Function</u></td> <td><u>Color</u></td> </tr> <tr> <td>Common (L1)</td> <td>WH</td> <td>J3 Load (L2)</td> <td>BK</td> </tr> <tr> <td>Ground</td> <td>GN</td> <td>J4 Load (L2)</td> <td>BU</td> </tr> <tr> <td>J1 Load (L2)</td> <td>RD</td> <td>J5 Load (L2)</td> <td>YE</td> </tr> <tr> <td>J2 Load (L2)</td> <td>OG</td> <td>J6 Load (L2)</td> <td>BN</td> </tr> </table>	<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>	Common (L1)	WH	J3 Load (L2)	BK	Ground	GN	J4 Load (L2)	BU	J1 Load (L2)	RD	J5 Load (L2)	YE	J2 Load (L2)	OG	J6 Load (L2)	BN	6 RKF 30-*M				
<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>																								
Common (L1)	WH	J3 Load (L2)	BK																								
Ground	GN	J4 Load (L2)	BU																								
J1 Load (L2)	RD	J5 Load (L2)	YE																								
J2 Load (L2)	OG	J6 Load (L2)	BN																								
6-port J-box Standard wiring <i>multifast</i> connector	4 A/port, 7 A total 12-pin <i>multifast</i> connector, 8 conductors, mates with CKRM 12-8-*	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Pin / Color</u></td> <td><u>Function</u></td> <td><u>Pin / Color</u></td> </tr> <tr> <td>Common (L1)</td> <td>5 / WH</td> <td>J3 Load (L2)</td> <td>4 / OG</td> </tr> <tr> <td>Ground</td> <td>7 / GN</td> <td>J4 Load (L2)</td> <td>4 / BK</td> </tr> <tr> <td>J1 Load (L2)</td> <td>6 / RD</td> <td>J5 Load (L2)</td> <td>2 / BU</td> </tr> <tr> <td>J2 Load (L2)</td> <td>1 / OG</td> <td>J6 Load (L2)</td> <td>3 / YE</td> </tr> <tr> <td></td> <td></td> <td></td> <td>8 / BN</td> </tr> </table>	<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>	Common (L1)	5 / WH	J3 Load (L2)	4 / OG	Ground	7 / GN	J4 Load (L2)	4 / BK	J1 Load (L2)	6 / RD	J5 Load (L2)	2 / BU	J2 Load (L2)	1 / OG	J6 Load (L2)	3 / YE				8 / BN	6 RKF 30-CS12
<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>																								
Common (L1)	5 / WH	J3 Load (L2)	4 / OG																								
Ground	7 / GN	J4 Load (L2)	4 / BK																								
J1 Load (L2)	6 / RD	J5 Load (L2)	2 / BU																								
J2 Load (L2)	1 / OG	J6 Load (L2)	3 / YE																								
			8 / BN																								

8-port, 250 VAC/300 VDC

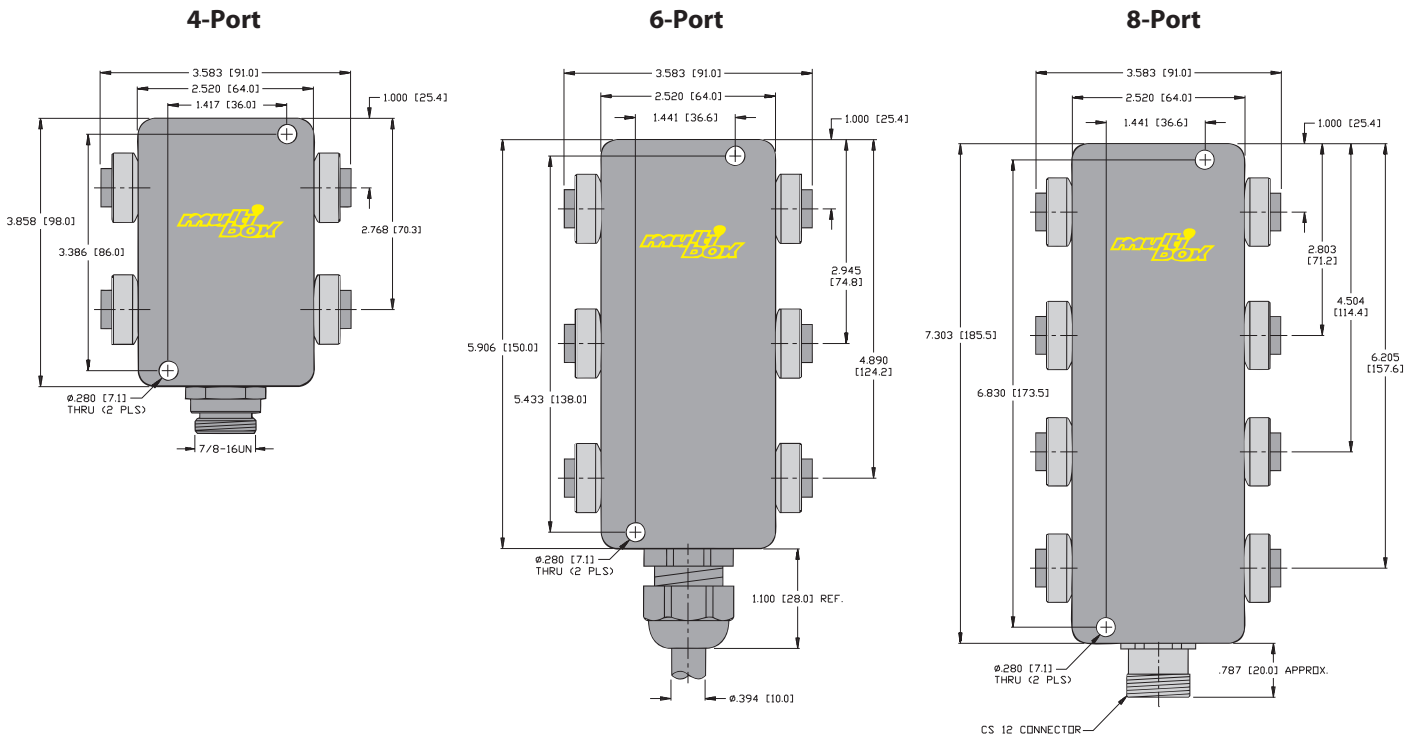
Application	Specifications	Pinout	Part Number																								
8-port J-box Standard wiring Integral cable	4 A/port, 9 A total PVC cable, black, 10x18 AWG, foil shield and 20 AWG drain	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Color</u></td> <td><u>Function</u></td> <td><u>Color</u></td> </tr> <tr> <td>Common (L1)</td> <td>WH</td> <td>J4 Load (L2)</td> <td>BU</td> </tr> <tr> <td>Ground</td> <td>GN</td> <td>J5 Load (L2)</td> <td>GY</td> </tr> <tr> <td>J1 Load (L2)</td> <td>RD</td> <td>J6 Load (L2)</td> <td>YE</td> </tr> <tr> <td>J2 Load (L2)</td> <td>VT</td> <td>J7 Load (L2)</td> <td>OG</td> </tr> <tr> <td>J3 Load (L2)</td> <td>BK</td> <td>J8 Load (L2)</td> <td>BN</td> </tr> </table>	<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>	Common (L1)	WH	J4 Load (L2)	BU	Ground	GN	J5 Load (L2)	GY	J1 Load (L2)	RD	J6 Load (L2)	YE	J2 Load (L2)	VT	J7 Load (L2)	OG	J3 Load (L2)	BK	J8 Load (L2)	BN	8 RKF 30-*M
<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>																								
Common (L1)	WH	J4 Load (L2)	BU																								
Ground	GN	J5 Load (L2)	GY																								
J1 Load (L2)	RD	J6 Load (L2)	YE																								
J2 Load (L2)	VT	J7 Load (L2)	OG																								
J3 Load (L2)	BK	J8 Load (L2)	BN																								
8-port J-box, Standard wiring <i>multifast</i> connector	4 A/port, 7 A total 12-pin <i>multifast</i> connector, 10 conductors, mates with CKRM 12-10-*	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Pin / Color</u></td> <td><u>Function</u></td> <td><u>Pin / Color</u></td> </tr> <tr> <td>Common (L1)</td> <td>5 / WH</td> <td>J4 Load (L2)</td> <td>2 / BU</td> </tr> <tr> <td>Ground</td> <td>7 / GN</td> <td>J5 Load (L2)</td> <td>3 / GY</td> </tr> <tr> <td>J1 Load (L2)</td> <td>6 / RD</td> <td>J6 Load (L2)</td> <td>8 / YE</td> </tr> <tr> <td>J2 Load (L2)</td> <td>1 / VT</td> <td>J7 Load (L2)</td> <td>9 / OG</td> </tr> <tr> <td>J3 Load (L2)</td> <td>4 / BK</td> <td>J8 Load (L2)</td> <td>10 / BN</td> </tr> </table>	<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>	Common (L1)	5 / WH	J4 Load (L2)	2 / BU	Ground	7 / GN	J5 Load (L2)	3 / GY	J1 Load (L2)	6 / RD	J6 Load (L2)	8 / YE	J2 Load (L2)	1 / VT	J7 Load (L2)	9 / OG	J3 Load (L2)	4 / BK	J8 Load (L2)	10 / BN	8 RKF 30-CS12
<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>																								
Common (L1)	5 / WH	J4 Load (L2)	2 / BU																								
Ground	7 / GN	J5 Load (L2)	3 / GY																								
J1 Load (L2)	6 / RD	J6 Load (L2)	8 / YE																								
J2 Load (L2)	1 / VT	J7 Load (L2)	9 / OG																								
J3 Load (L2)	4 / BK	J8 Load (L2)	10 / BN																								

* Length in meters

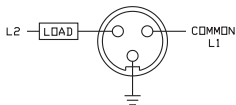
Specifications

Housing:	Die cast aluminum alloy
Connector:	Nickel plated brass, oil resistant TPU contact carrier
Contacts:	Gold plated brass
Cable:	See table for specifications
Temperature:	-30 C to +80 C (-22 F to +176 F)
Protection:	IEC IP67
Cable Length:	Standard cable length is 6 meters. Other lengths available by request - consult factory

Dimensions



Wiring Diagram



Load (L2) is individual output. Common (L1) and Ground are wired parallel internally.

Notes:

Clearance holes for 1/4-20 screws (2 places). All housings are 34.0 mm in height.

Pinout

Female	Male	Male
3-pin minifast	6-pin minifast	12-pin multifast

Multibox, minifast



multibox[®] minifast[®] Junction Boxes, 3-pin

6 and 8 Ports
Quick Disconnect minifast Connector

Simplifies Wiring Installations

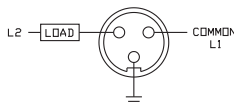
6-port, 250 VAC / 300 VDC

Application	Specifications	Pinout	Part Number																				
6-port J-box Standard wiring, minifast connector	4 A/port 8 A total 8-pin minifast connector 8 conductors Mates with RKM 86-*M	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Pin / Color</u></td> <td><u>Function</u></td> <td><u>Pin / Color</u></td> </tr> <tr> <td>Common (L1)</td> <td>5 / WH</td> <td>J3 Load (L2)</td> <td>4 / BK</td> </tr> <tr> <td>Ground</td> <td>7 / GN</td> <td>J4 Load (L2)</td> <td>2 / BU</td> </tr> <tr> <td>J1 Load (L2)</td> <td>6 / RD</td> <td>J5 Load (L2)</td> <td>3 / WH / BK</td> </tr> <tr> <td>J2 Load (L2)</td> <td>1 / OG</td> <td>J6 Load (L2)</td> <td>8 / RD / BK</td> </tr> </table>	<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>	Common (L1)	5 / WH	J3 Load (L2)	4 / BK	Ground	7 / GN	J4 Load (L2)	2 / BU	J1 Load (L2)	6 / RD	J5 Load (L2)	3 / WH / BK	J2 Load (L2)	1 / OG	J6 Load (L2)	8 / RD / BK	6 RKF 30-RSF80
<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>																				
Common (L1)	5 / WH	J3 Load (L2)	4 / BK																				
Ground	7 / GN	J4 Load (L2)	2 / BU																				
J1 Load (L2)	6 / RD	J5 Load (L2)	3 / WH / BK																				
J2 Load (L2)	1 / OG	J6 Load (L2)	8 / RD / BK																				

8-port, 250 VAC / 300 VDC

Application	Specifications	Pinout	Part Number																								
8-port J-box Standard wiring, minifast connector	4 A/port 7 A total 10-pin minifast connector 10 conductors Mates with RKM 106-*M	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Pin / Color</u></td> <td><u>Function</u></td> <td><u>Pin / Color</u></td> </tr> <tr> <td>Common (L1)</td> <td>10 / Wt</td> <td>J4 Load (L2)</td> <td>2 / BU</td> </tr> <tr> <td>Ground</td> <td>8 / GN</td> <td>J5 Load (L2)</td> <td>3 / WH / BK</td> </tr> <tr> <td>J1 Load (L2)</td> <td>7 / RD</td> <td>J6 Load (L2)</td> <td>4 / RD / BK</td> </tr> <tr> <td>J2 Load (L2)</td> <td>1 / OG</td> <td>J7 Load (L2)</td> <td>5 / GN / BK</td> </tr> <tr> <td>J3 Load (L2)</td> <td>9 / BK</td> <td>J8 Load (L2)</td> <td>6 / OG / BK</td> </tr> </table>	<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>	Common (L1)	10 / Wt	J4 Load (L2)	2 / BU	Ground	8 / GN	J5 Load (L2)	3 / WH / BK	J1 Load (L2)	7 / RD	J6 Load (L2)	4 / RD / BK	J2 Load (L2)	1 / OG	J7 Load (L2)	5 / GN / BK	J3 Load (L2)	9 / BK	J8 Load (L2)	6 / OG / BK	8 RKF 30-RSF100
<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>																								
Common (L1)	10 / Wt	J4 Load (L2)	2 / BU																								
Ground	8 / GN	J5 Load (L2)	3 / WH / BK																								
J1 Load (L2)	7 / RD	J6 Load (L2)	4 / RD / BK																								
J2 Load (L2)	1 / OG	J7 Load (L2)	5 / GN / BK																								
J3 Load (L2)	9 / BK	J8 Load (L2)	6 / OG / BK																								

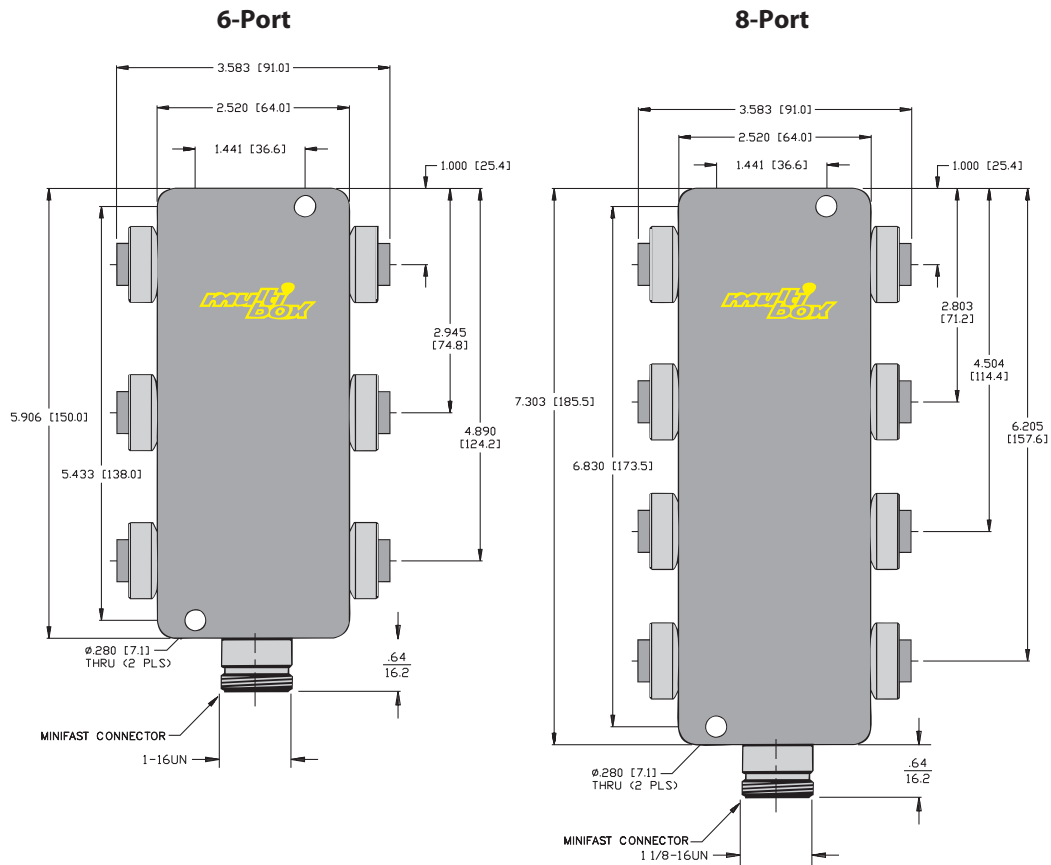
Functional Wiring Diagram



Specifications

Housing:	Die cast aluminum alloy
Connectors:	Nickel plated brass, oil resistant TPU contact carrier
Contacts:	Gold plated brass
Temperature:	-30°C to +80°C (-22°F to +176°F)
Protection:	IEC IP67

Dimensions



Multibox, minifast

Notes:

Clearance holes for 1/4-20 screws (2 places).
All housings are 34.0 mm in height.

Pinout

Female	Male	Male
3-pin minifast	8-pin minifast	10-pin minifast



multibox[®] minifast[®] Junction Boxes with LEDs, 3-pin

4 and 8 Ports
M23 Quick Disconnect or Integral
Home Run Cable

Simplifies Wiring Installations
LEDs for Power and Signal



4-port, 40-120 VAC

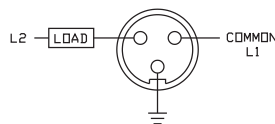
Application	Specifications	Pinout				Part Number
4 port J-box Standard wiring Integral cable	4 A/port, 9 A total PVC cable, black, 7x18 AWG, foil shield and 20 AWG drain	Function	Color	Function	Color	4 RKF 30-X5-*M
		Common (L1)	WH	J2 Load (L2)	OG	
		LED Power (L2)	WH / BK	J3 Load (L2)	BK	
		Ground	GN	J4 Load (L2)	BU	
		J1 Load (L2)	RD			
4 port J-box Standard wiring multifast connector	4 A/port, 7 A total 12-pin multifast connector, 7 conductors, mates with CKBM 12-7-*	Function	Pin / Color	Function	Pin / Color	4 RKF 30-X5-CS12
		Common (L1)	3 / WH	J2 Load (L2)	5 / OG	
		LED Power (L2)	1 / WH/BK	J3 Load (L2)	2 / BK	
		Ground	7 / GN	J4 Load (L2)	6 / BU	
		J1 Load (L2)	4 / RD			

8-port, 40-120 VAC

Application	Specifications	Pinout				Part Number
8 port J-box Standard wiring Integral cable	4 A/port, 9 A total PVC cable, black, 11x18 AWG, foil shield and 20 AWG drain	Function	Color	Function	Color	8 RKF 30-X9-*M
		Common (L1)	WH	J4 Load (L2)	BU	
		LED Power (L2)	BU / BK	J5 Load (L2)	WH / BK	
		Ground	GN	J6 Load (L2)	RD / BK	
		J1 Load (L2)	RD	J7 Load (L2)	GN / BK	
		J2 Load (L2)	OG	J8 Load (L2)	OG / BK	
		J3 Load (L2)	BK			
8 port J-box, Standard wiring multifast connector	4 A/port, 7 A total 12-pin multifast connector, 11 conductors, mates with CKBM 12-11-*	Function	Pin / Color	Function	Pin / Color	8 RKF 30-X9-CS12
		Common (L1)	11 / WH	J4 Load (L2)	2 / BU	
		LED Power (L2)	7 / BU/BK	J5 Load (L2)	3 / WH / BK	
		Ground	9 / GN	J6 Load (L2)	4 / RD / BK	
		J1 Load (L2)	10 / RD	J7 Load (L2)	5 / GN / BK	
		J2 Load (L2)	1 / OG	J8 Load (L2)	6 / OG / BK	
		J3 Load (L2)	12 / BK			

* Length in meters

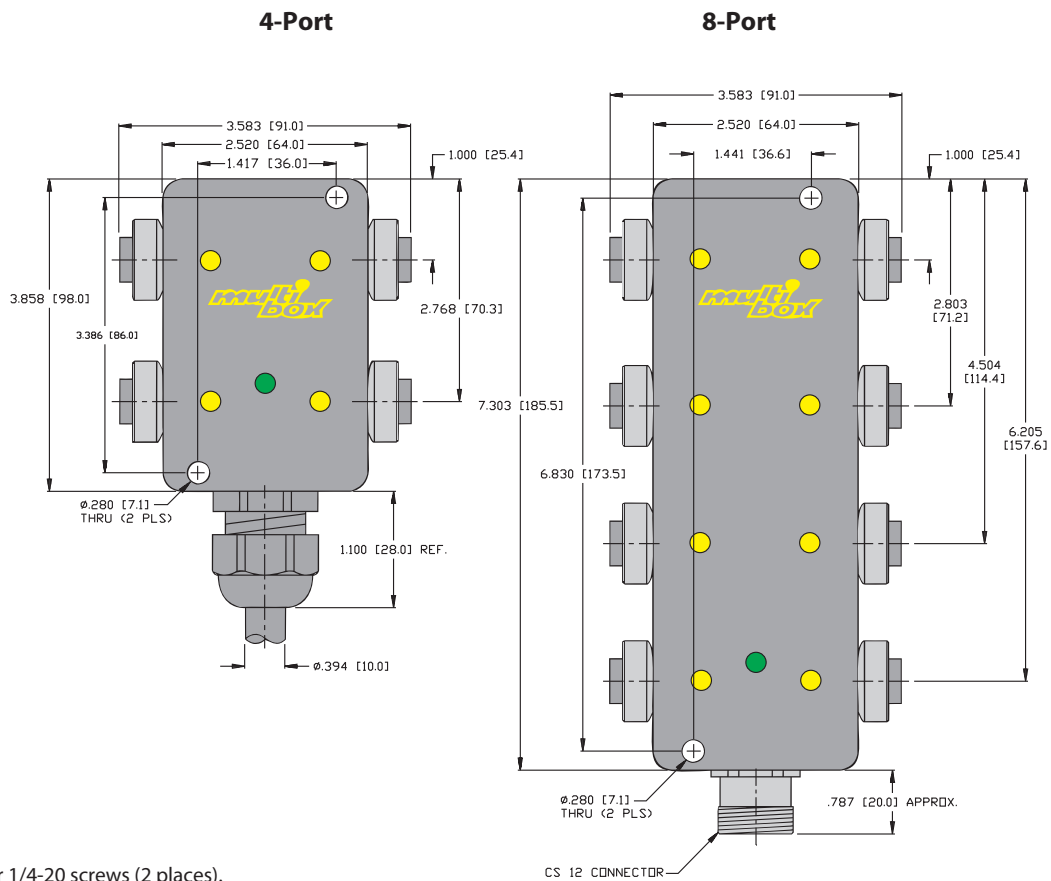
Functional Wiring Diagram



Specifications

Housing:	Die cast aluminum alloy
Connector:	Nickel plated brass, oil resistant TPU contact carrier
Contacts:	Gold plated brass
Cable:	See table for specifications
Temperature:	-30 C to +80 C (-22 F to +176 F)
Protection:	IEC IP67
Cable Length:	Standard cable length is 6 meters. Other lengths available by request - consult factory

Dimensions



Multibox, minifast

Notes:

- Clearance holes for 1/4-20 screws (2 places).
- All housings are 34.0 mm in height.
- Green LED = Power on (center position)
- Yellow LED = Signal (outer position).

Pinout

Female	Male
3-pin minifast	12-pin multifast



multibox[®] minifast[®] Junction Boxes with LEDs, 3-pin

4 and 8 Ports
Quick Disconnect *minifast* Connector

LEDs for Power and Signal
Simplifies Wiring Installations

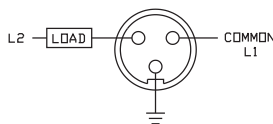
4-port, 40-120 VAC

Application	Specifications	Pinout				Part Number
4-port J-box Standard wiring, <i>minifast</i> connector	4 A/port 8 A total 7-pin <i>minifast</i> connector 7 conductors Mates with RKM 76-*M	<u>Function</u> Common (L1)	<u>Pin / Color</u> 3 / Wt	<u>Function</u> J2 Load (L2)	<u>Pin / Color</u> 5 / OG	4 RKF 30-X5-RSF70
		LED Pwr (L2)	1 / WH / BK	J3 Load (L2)	2 / BK	
		Ground	7 / GN	J4 Load (L2)	6 / BU	
		J1 Load (L2)	4 / RD			

8-port, 40-120 VAC

Application	Specifications	Pinout				Part Number
8-port J-box Standard wiring, <i>minifast</i> connector	4 A/port 7 A total 12-pin <i>minifast</i> connector 11 conductors Mates with RKM 126-*M	<u>Function</u> Common (L1)	<u>Pin / Color</u> 11 / Wt	<u>Function</u> J4 Load (L2)	<u>Pin / Color</u> 2 / BU	8 RKF 30-X9-RSF120
		LED Pwr (L2)	1 / BU / BK	J5 Load (L2)	3 / WH / BK	
		Ground	9 / GN	J6 Load (L2)	4 / RD / BK	
		J1 Load (L2)	10 / RD	J7 Load (L2)	5 / GN / BK	
		J2 Load (L2)	1 / OG	J8 Load (L2)	6 / OG / BK	
		J3 Load (L2)	12 / BK			

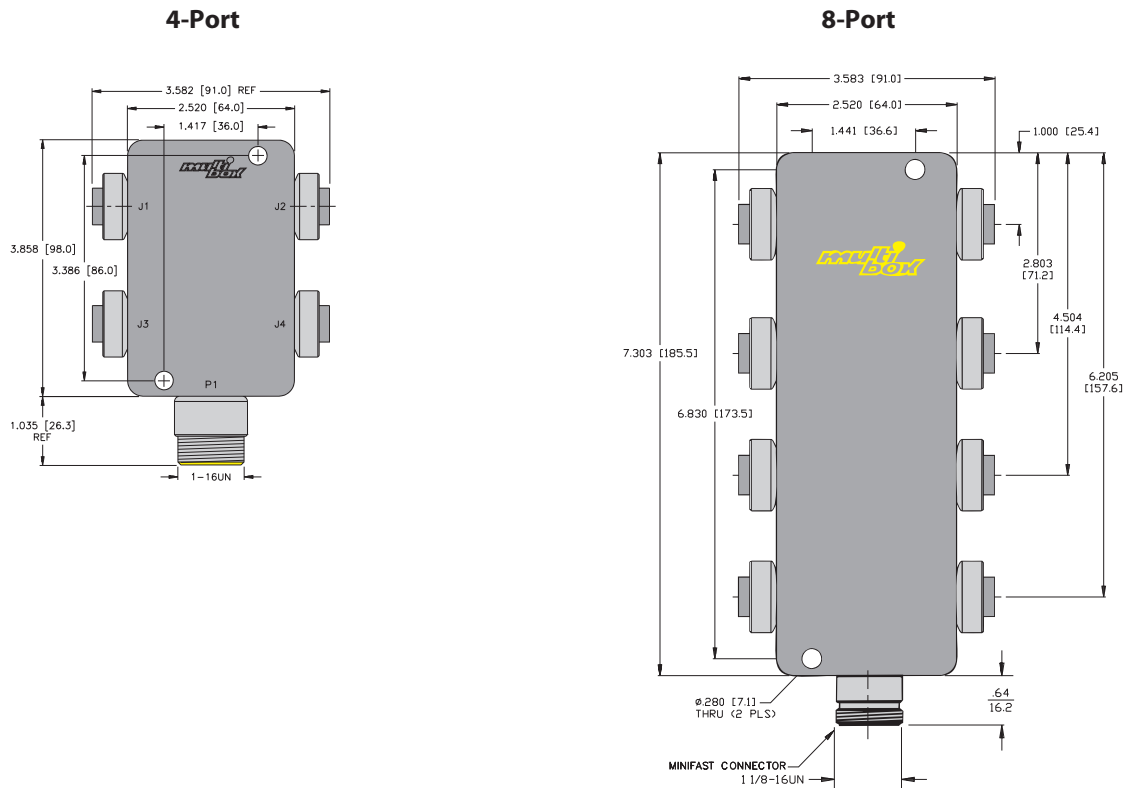
Functional Wiring Diagram



Specifications

Housing:	Die cast aluminum alloy
Connectors:	Nickel plated brass, oil resistant TPU contact carrier
Contacts:	Gold plated brass
Temperature:	-30°C to +80°C (-22°F to +176°F)
Protection:	IEC IP67

Dimensions



Multibox, minifast

Notes:
 Clearance holes for 1/4-20 screws (2 places).
 All housings are 34.0 mm in height.

Pinout

Female	Male	Male
3-pin minifast	7-pin minifast	12-pin minifast



multibox[®] minifast[®] Junction Boxes, 4-pin

4, 6 and 8 Ports
Integral Home Run Cable

Simplifies Wiring Installations



4-port, 250 VAC/300 VDC

Application	Specifications	Pinout				Part Number
4-port J-box, 4-pin connectors, Integral cable	4 A/port, 9 A total PVC cable, black, 6x18 AWG, foil shield and 20 AWG drain	<u>Function</u> Common +V Ground -V J1 Load	<u>Color</u> WH GN RD	<u>Function</u> J2 Load J3 Load J4 Load	<u>Color</u> OG BK BU	4 RKF 40-*M

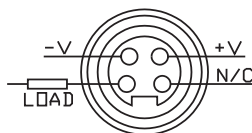
6-port, 250 VAC/300 VDC

Application	Specifications	Pinout				Part Number
6-port J-box, 4-pin connectors, Integral cable	4 A/port, 9 A total PVC cable, black, 8x18 AWG, foil shield and 20 AWG drain	<u>Function</u> Common +V Ground -V J1 Load J2 Load	<u>Color</u> WH GN RD OG	<u>Function</u> J3 Load J4 Load J5 Load J6 Load	<u>Color</u> BK BU YE BN	6 RKF 40-*M

8-port, 250 VAC/300 VDC

Application	Specifications	Pinout				Part Number
8-port J-box, 4-pin connectors, Integral cable	4 A/port, 9 A total PVC cable, black, 10x18 AWG, foil shield and 20 AWG drain	<u>Function</u> Common +V Ground -V J1 Load J2 Load J3 Load	<u>Color</u> WH GN RD VT BK	<u>Function</u> J4 Load J5 Load J6 Load J7 Load J8 Load	<u>Color</u> BU GY YE OG BN	8 RKF 40-*M

Functional Wiring Diagram

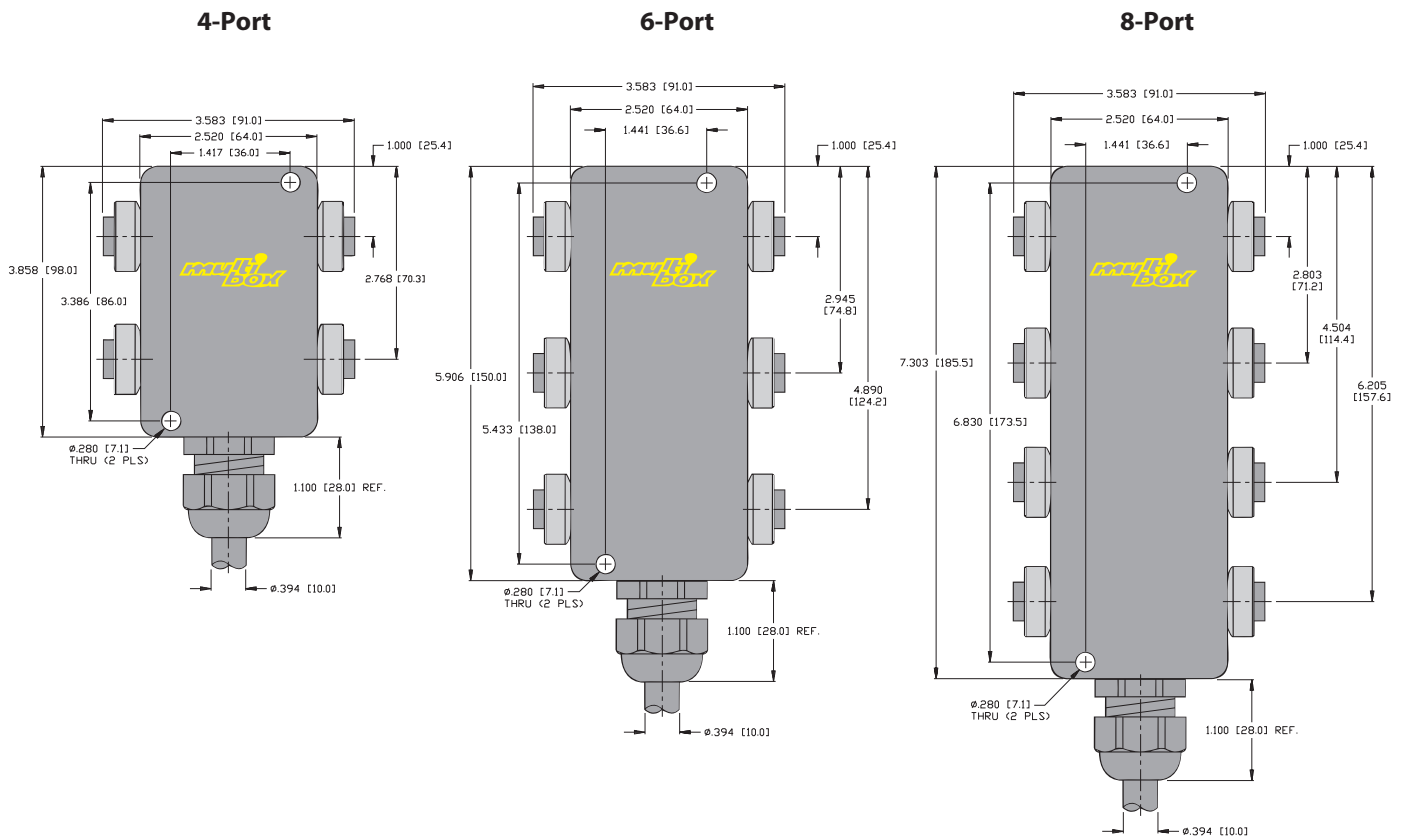


Power (pin 1 and pin 3) are wired parallel internally.
 Load (pin 4) is individual output. Pin 2 is not used.

Specifications

Housing:	Die cast aluminum alloy
Connector:	Nickel plated brass, oil resistant TPU contact carrier
Contacts:	Gold plated brass
Cable:	See table for specifications
Temperature:	-30 C to +80 C (-22 F to +176 F)
Protection:	IEC IP67
Cable Length:	Standard cable length is 6 meters. Other lengths available by request - consult factory

Dimensions

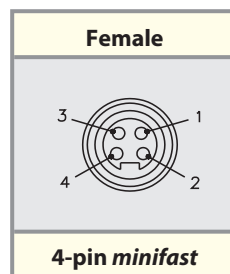


Multibox, minifast

Notes:

Clearance holes for 1/4-20 screws (2 places).
All housings are 34.0 mm in height.

Pinout





multibox® minifast® Junction Boxes, 4-pin

4, 6 and 8 Ports

Simplifies Wiring Instructions

Quick Disconnect minifast Connector

4-port, 250 VAC / 300 VDC

Application	Specifications	Pinout				Part Number
4-port J-box 4-pin connectors, minifast connector	4 A/port 8 A total 6-pin minifast connector 6 conductors Mates with RKM 66-*M	<u>Function</u> Common +V Ground -V J1 Load	<u>Pin/Color</u> 1 / WH 3 / GN 2 / RD	<u>Function</u> J2 Load J3 Load J4 Load	<u>Pin/Color</u> 4 / OG 5 / BK 6 / BU	4 RKF 40-RSF6B6

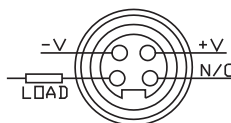
6-port, 250 VAC / 300 VDC

Application	Specifications	Pinout				Part Number
6-port J-box 4-pin connectors, minifast connector	4 A/port 8 A total 8-pin minifast connector 8 conductors Mates with RKM 86-*M	<u>Function</u> Common +V Ground -V J1 Load J2 Load	<u>Pin/Color</u> 5 / WH 7 / GN 6 / RD 1 / OG	<u>Function</u> J3 Load J4 Load J5 Load J6 Load	<u>Pin/Color</u> 4 / BK 2 / BU 3 / WH / BK 8 / RD / BK	6 RKF 40-RSF80

8-port, 250 VAC / 300 VDC

Application	Specifications	Pinout				Part Number
8-port J-box 4-pin connectors, minifast connector	4 A/port 7 A total 10-pin minifast connector 10 conductors Mates with RKM 106-*M	<u>Function</u> Common +V Ground -V J1 Load J2 Load J3 Load	<u>Pin/Color</u> 10 / WH 8 / GN 7 / RD 1 / OG 9 / BK	<u>Function</u> J4 Load (L2) J5 Load (L2) J6 Load (L2) J7 Load (L2) J8 Load (L2)	<u>Pin / Color</u> 2 / BU 3 / WH / BK 4 / RD / BK 5 / GN / BK 6 / OG / BK	8 RKF 40-RSF100

Functional Wiring Diagram

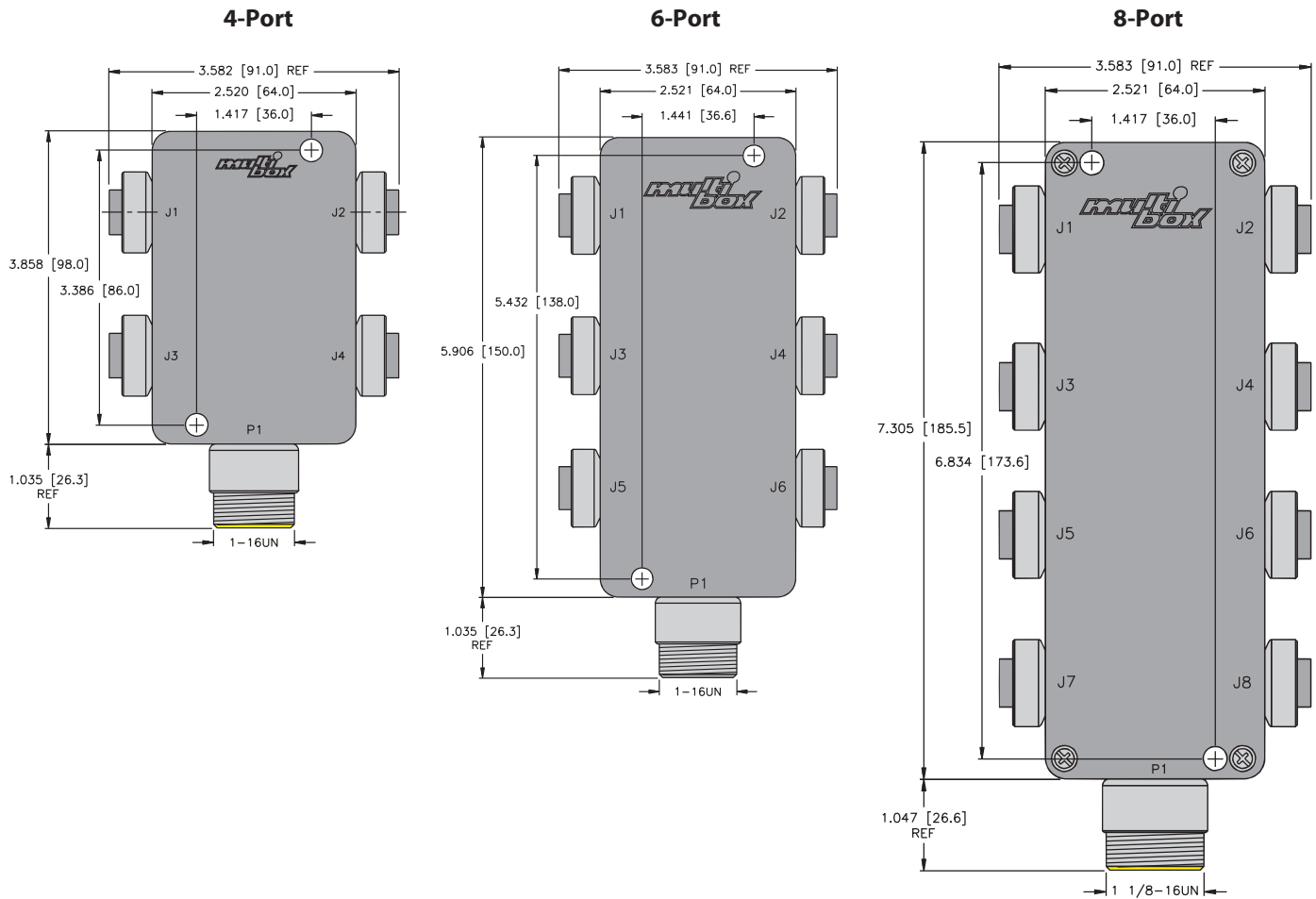


Power (pin 1 and pin 3) are wired parallel internally.
Load (pin 4) is individual output. Pin 2 is not used.

Specifications

Housing:	Die cast aluminum alloy
Connectors:	Nickel plated brass, oil resistant TPU contact carrier
Contacts:	Gold plated brass
Temperature:	-30°C to +80°C (-22°F to +176°F)
Protection:	IEC IP67

Dimensions



Multibox, minifast

Notes:
 Clearance holes for 1/4-20 screws (2 places).
 All housings are 34.0 mm in height.

Pinout

Female	Male	Male	Male
4-pin minifast	6-pin minifast	8-pin minifast	10-pin minifast



multibox[®] minifast[®] Junction Boxes, Series Wired

4, 6 and 8 Ports

minifast Quick Disconnect or Integral Home Run Cable

Simplifies Wiring Installations

Series Wired for Logic Wiring AND or NOR Junction



4-port, 250 VAC/300 VDC

Application	Specifications	Pinout	Part Number								
4 port J-box Series wired Integral cable	4 A/port, 4 A total PVC cable, yellow, 3/16 AWG	<table border="0"> <tr> <td>Function</td> <td>Color</td> </tr> <tr> <td>Common (L1)</td> <td>WH</td> </tr> <tr> <td>Ground</td> <td>GN</td> </tr> <tr> <td>Load (L2)</td> <td>BK</td> </tr> </table>	Function	Color	Common (L1)	WH	Ground	GN	Load (L2)	BK	4 RKF 301-*M
Function	Color										
Common (L1)	WH										
Ground	GN										
Load (L2)	BK										
4 port J-box Series wired minifast connector	4 A/port, 4 A total 3-pin minifast connector, 3 conductors, mates with RKM 36-*M	<table border="0"> <tr> <td>Function</td> <td>Pin / Color</td> </tr> <tr> <td>Common (L1)</td> <td>3 / WH</td> </tr> <tr> <td>Ground</td> <td>1 / GN</td> </tr> <tr> <td>Load (L2)</td> <td>2 / BK</td> </tr> </table>	Function	Pin / Color	Common (L1)	3 / WH	Ground	1 / GN	Load (L2)	2 / BK	4 RKF 301-B1131
Function	Pin / Color										
Common (L1)	3 / WH										
Ground	1 / GN										
Load (L2)	2 / BK										

6-port, 250 VAC/300 VDC

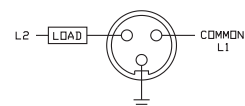
Application	Specifications	Pinout	Part Number								
6 port J-box Series wired Integral cable	4 A/port, 4 A total PVC cable, yellow, 3/16 AWG	<table border="0"> <tr> <td>Function</td> <td>Color</td> </tr> <tr> <td>Common (L1)</td> <td>WH</td> </tr> <tr> <td>Ground</td> <td>GN</td> </tr> <tr> <td>Load (L2)</td> <td>BK</td> </tr> </table>	Function	Color	Common (L1)	WH	Ground	GN	Load (L2)	BK	6 RKF 301-*M
Function	Color										
Common (L1)	WH										
Ground	GN										
Load (L2)	BK										
6 port J-box Series wired minifast connector	4 A/port, 4 A total 3-pin minifast connector, 3 conductors, mates with RKM 36-*M	<table border="0"> <tr> <td>Function</td> <td>Pin / Color</td> </tr> <tr> <td>Common (L1)</td> <td>3 / WH</td> </tr> <tr> <td>Ground</td> <td>1 / GN</td> </tr> <tr> <td>Load (L2)</td> <td>2 / BK</td> </tr> </table>	Function	Pin / Color	Common (L1)	3 / WH	Ground	1 / GN	Load (L2)	2 / BK	6 RKF 301-B1131
Function	Pin / Color										
Common (L1)	3 / WH										
Ground	1 / GN										
Load (L2)	2 / BK										

8-port, 250 VAC/300 VDC

Application	Specifications	Pinout	Part Number								
8 port J-box Series wired Integral cable	4 A/port, 4 A total PVC cable, yellow, 3x16 AWG,	<table border="0"> <tr> <td>Function</td> <td>Color</td> </tr> <tr> <td>Common (L1)</td> <td>WH</td> </tr> <tr> <td>Ground</td> <td>GN</td> </tr> <tr> <td>Load (L2)</td> <td>BK</td> </tr> </table>	Function	Color	Common (L1)	WH	Ground	GN	Load (L2)	BK	8 RKF 301-*M
Function	Color										
Common (L1)	WH										
Ground	GN										
Load (L2)	BK										
8 port J-box Series wired minifast connector	4 A/port, 4 A total 3-pin minifast connector, 3 conductors, mates with RKM 36-*M	<table border="0"> <tr> <td>Function</td> <td>Pin / Color</td> </tr> <tr> <td>Common (L1)</td> <td>3 / WH</td> </tr> <tr> <td>Ground</td> <td>1 / GN</td> </tr> <tr> <td>Load (L2)</td> <td>2 / BK</td> </tr> </table>	Function	Pin / Color	Common (L1)	3 / WH	Ground	1 / GN	Load (L2)	2 / BK	8 RKF 301-B1131
Function	Pin / Color										
Common (L1)	3 / WH										
Ground	1 / GN										
Load (L2)	2 / BK										

Housing Style	Part Number	Features	Pinout
	RSM 30-J23	Jumper plug for use on unused inputs	

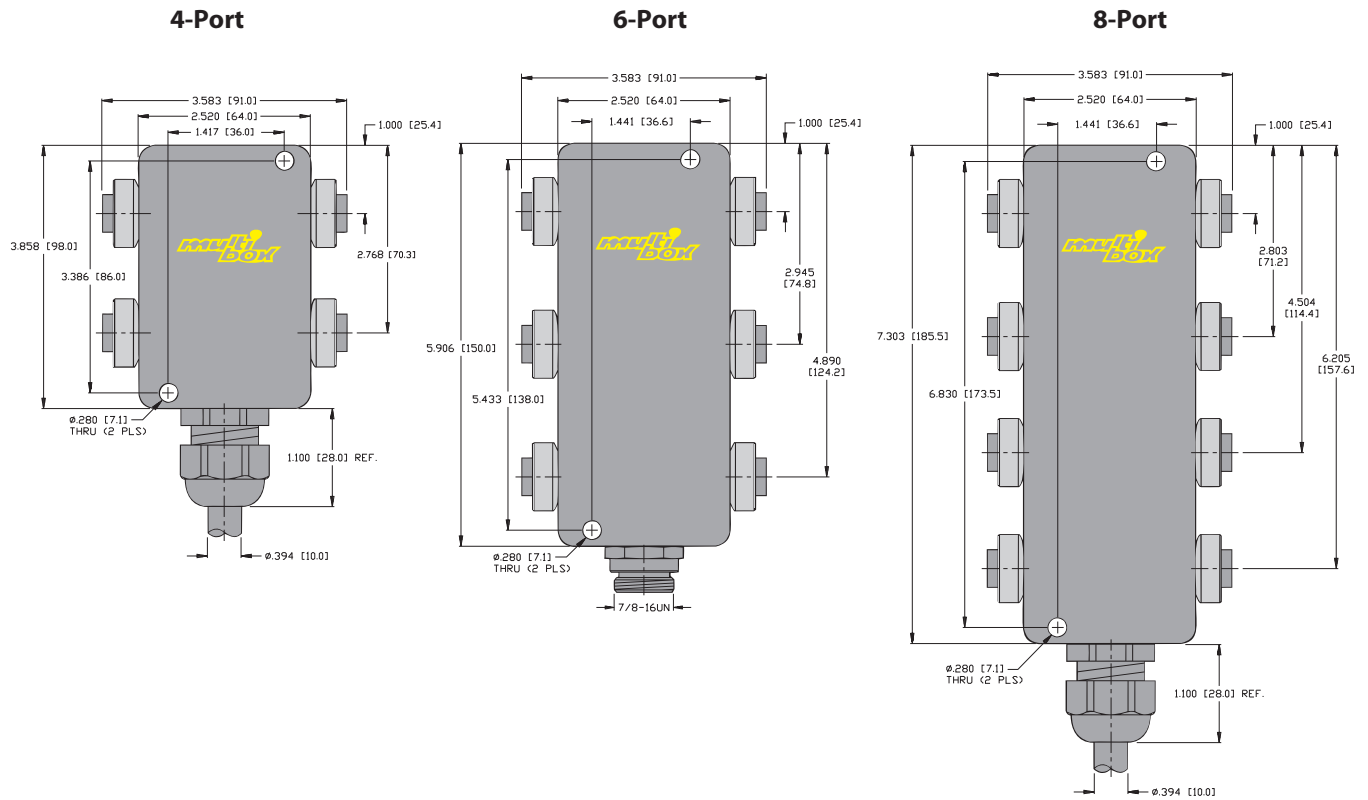
Functional Wiring Diagram



Specifications

Housing:	Die cast aluminum alloy
Connector:	Nickel plated brass, oil resistant TPU contact carrier
Contacts:	Gold plated brass
Cable:	See table for specifications
Temperature:	-30 C to +80 C (-22 F to +176 F)
Protection:	IEC IP67
Cable Length:	Standard cable length is 6 meters. Other lengths available by request - consult factory

Dimensions



Multibox, minifast

Pinout

Female	Male
3-pin minifast	3-pin minifast

Notes:

Clearance holes for 1/4-20 screws (2 places).
 All housings are 34.0 mm in height.



multibox® *microfast*® Junction Boxes

**4, 6 and 8 Ports
For AC Sensors**

**M23 Quick Disconnect, *minifast*
Connector or Integral Home Run Cable
Simplifies Wiring Installations**



4-port, 250 VAC / 300 VDC

Application	Specifications	Pinout				Part Number
4-port J-box Standard wiring Integral cable	4 A/port, 9 A total PVC cable, black, 6x18 AWG, foil shield and 20 AWG drain	<u>Function</u> Common (L1) Ground J1 Load (L2)	<u>Color</u> WH GN RD	<u>Function</u> J2 Load (L2) J3 Load (L2) J4 Load (L2)	<u>Color</u> OG BK BU	VBKB 40-*
4-port J-box Standard wiring, multifast connector	4 A/port, 7 A total 12-pin multifast connector, 6 conductors, mates with CKRM 12-6-*	<u>Function</u> Common (L1) Ground J1 Load (L2)	<u>Pin / Color</u> 5 / WH 7 / GN 6 / RD	<u>Function</u> J2 Load (L2) J3 Load (L2) J4 Load (L2)	<u>Pin / Color</u> 1 / OG 4 / BK 2 / BU	VBKB 40-CS12
4-port J-box Standard wiring minifast connector	4 A/port, 9 A total 6-pin minifast connector, 6 conductors, mates with RKM 66- [*] M	<u>Function</u> Common (L1) Ground J1 Load (L2)	<u>Pin / Color</u> 1 / WH 3 / GN 2 / RD	<u>Function</u> J2 Load (L2) J3 Load (L2) J4 Load (L2)	<u>Pin / Color</u> 4 / OG 5 / BK 6 / BU	VBKB 40-B1161

6-port, 250 VAC / 300 VDC

Application	Specifications	Pinout				Part Number
6-port J-box Standard wiring Integral cable	4 A/port, 9 A total PVC cable, black, 8x18 AWG, foil shield and 20 AWG drain	<u>Function</u> Common (L1) Ground J1 Load (L2) J2 Load (L2)	<u>Color</u> WH GN RD OG	<u>Function</u> J3 Load (L2) J4 Load (L2) J5 Load (L2) J6 Load (L2)	<u>Color</u> BK BU YE BN	VBKB 60-*
6-port J-box Standard wiring multifast connector	4 A/port, 7 A total 12-pin multifast connector, 8 conductors, mates with CKRM 12-8-*	<u>Function</u> Common (L1) Ground J1 Load (L2) J2 Load (L2)	<u>Pin / Color</u> 5 / WH 7 / GN 6 / RD 1 / OG	<u>Function</u> J3 Load (L2) J4 Load (L2) J5 Load (L2) J6 Load (L2)	<u>Pin / Color</u> 4 / BK 2 / BU 3 / YE 8 / BN	VBKB 60-CS12

8-port, 250 VAC / 300 VDC

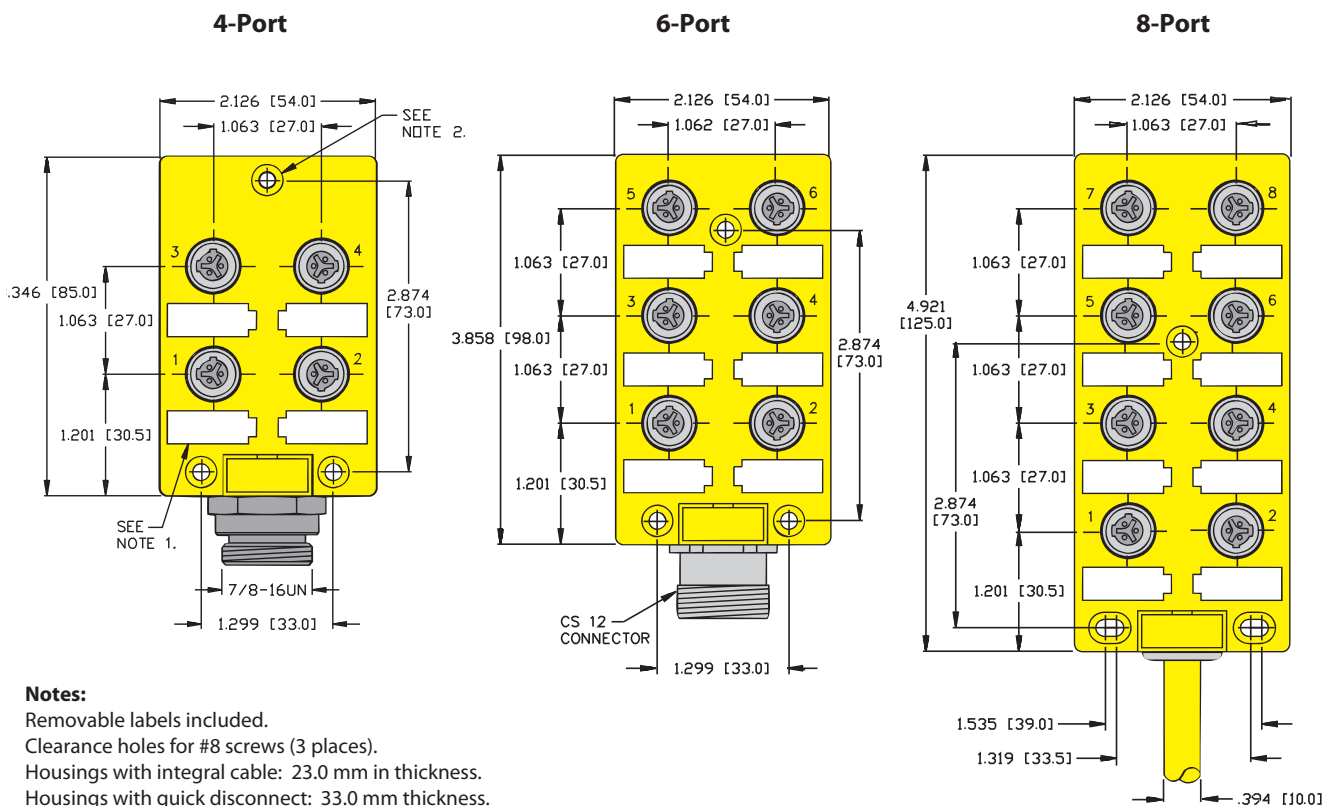
Application	Specifications	Pinout				Part Number
8-port J-box Standard wiring, Integral cable	4 A/port, 9 A total PVC cable, black, 10x18 AWG, foil shield and 20 AWG drain	<u>Function</u> Common (L1) Ground J1 Load (L2) J2 Load (L2) J3 Load (L2)	<u>Color</u> WH GN RD VT BK	<u>Function</u> J4 Load (L2) J5 Load (L2) J6 Load (L2) J7 Load (L2) J8 Load (L2)	<u>Color</u> BU GY YE OG BN	VBKB 80-*
8-port J-box Standard wiring multifast connector	4 A/port, 7 A total 12-pin multifast connector, 10 conductors, mates with CKRM 12-10-*	<u>Function</u> Common (L1) Ground J1 Load (L2) J2 Load (L2) J3 Load (L2)	<u>Pin / Color</u> 5 / WH 7 / GN 6 / RD 1 / VT 4 / BK	<u>Function</u> J4 Load (L2) J5 Load (L2) J6 Load (L2) J7 Load (L2) J8 Load (L2)	<u>Pin / Color</u> 2 / BU 3 / GY 8 / YE 9 / OG 10 / BN	VBKB 80-CS12

* Length in meters

Specifications

Housing:	Nylon
Contact Carrier:	Nylon (<i>microfast</i> [®])
Contacts:	Gold plated brass
Thread Inserts:	Nickel plated brass
Cable:	See table
Temperature:	-30 C to +80 C (-22 F to +176 F)
Protection:	IEC IP67
Cable Length:	Standard cable length is nominal 5 meters. Other lengths available by request - consult factory
Accessories:	(2) SB-CC closure caps and a VZ1 label kit included

Dimensions



- Notes:**
 Removable labels included.
 Clearance holes for #8 screws (3 places).
 Housings with integral cable: 23.0 mm in thickness.
 Housings with quick disconnect: 33.0 mm thickness.

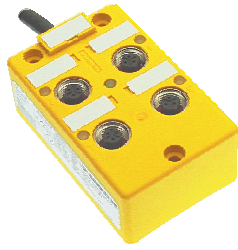
Functional Wiring Diagram



Pinout

Female	Male	Male
3-pin <i>microfast</i>	6-pin <i>minifast</i>	12-pin <i>multifast</i>

Multibox, microfast



multibox® *microfast*® Junction Boxes with LEDs

4 and 8 Ports
For AC Sensors
Simplifies Wiring Installation

M23 Quick Disconnect or Integral Home Run Cable
LEDs for Power and Signal



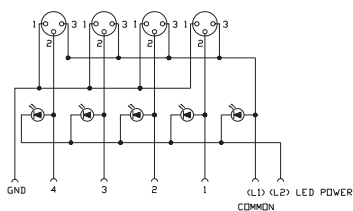
4-port, 40-120 VAC

Application	Specifications	Pinout				Part Number
4 port J-box Standard wiring Integral cable	4 A/port, 9 A total PVC cable, black, 7x18 AWG, foil shield and 20 AWG drain	<u>Function</u> Common (L1) LED Power (L2) Ground J1 Load (L2)	<u>Color</u> WH WH / BK GN RD	<u>Function</u> J2 Load (L2) J3 Load (L2) J4 Load (L2)	<u>Color</u> OG BK BU	VBKB 40-X5-*
4 port J-box Standard wiring multifast connector	4 A/port, 7 A total 12-pin multifast connector, 7 conductors, mates with CKBM 12-7-*	<u>Function</u> Common (L1) LED Power (L2) Ground J1 Load (L2)	<u>Pin / Color</u> 3 / WH 1 / WH/BK 7 / GN 4 / RD	<u>Function</u> J2 Load (L2) J3 Load (L2) J4 Load (L2)	<u>Pin / Color</u> 5 / OG 2 / BK 6 / BU	VBKB 40-X5-CS12

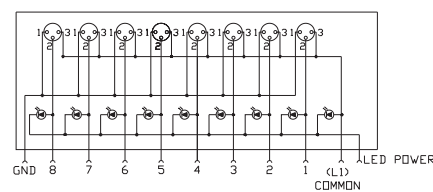
8-port, 40-120 VAC

Application	Specifications	Pinout				Part Number
8 port J-box Standard wiring Integral cable	4 A/port, 9 A total PVC cable, black 11x18 AWG, foil shield and 20 AWG drain	<u>Function</u> Common (L1) LED Power (L2) Ground J1 Load (L2) J2 Load (L2) J3 Load (L2)	<u>Color</u> WH BU / BK GN RD OG BK	<u>Function</u> J4 Load (L2) J5 Load (L2) J6 Load (L2) J7 Load (L2) J8 Load (L2)	<u>Color</u> BU WH / BK RD / BK GN / BK OG / BK	VBKB 80-X9-*
8 port J-box Standard wiring multifast connector	4 A/port, 7 A total 12-pin multifast connector, 11 conductors, mates with CKBM 12-11-*	<u>Function</u> Common (L1) LED Power (L2) Ground J1 Load (L2) J2 Load (L2) J3 Load (L2)	<u>Pin / Color</u> 11 / WH 7 / BU/BK 9 / GN 10 / RD 1 / OG 12 / BK	<u>Function</u> J4 Load (L2) J5 Load (L2) J6 Load (L2) J7 Load (L2) J8 Load (L2)	<u>Pin / Color</u> 2 / BU 3 / WH / BK 4 / RD / BK 5 / GN / BK 6 / OG / BK	VBKB 80-X9-CS12

Functional Wiring Diagram



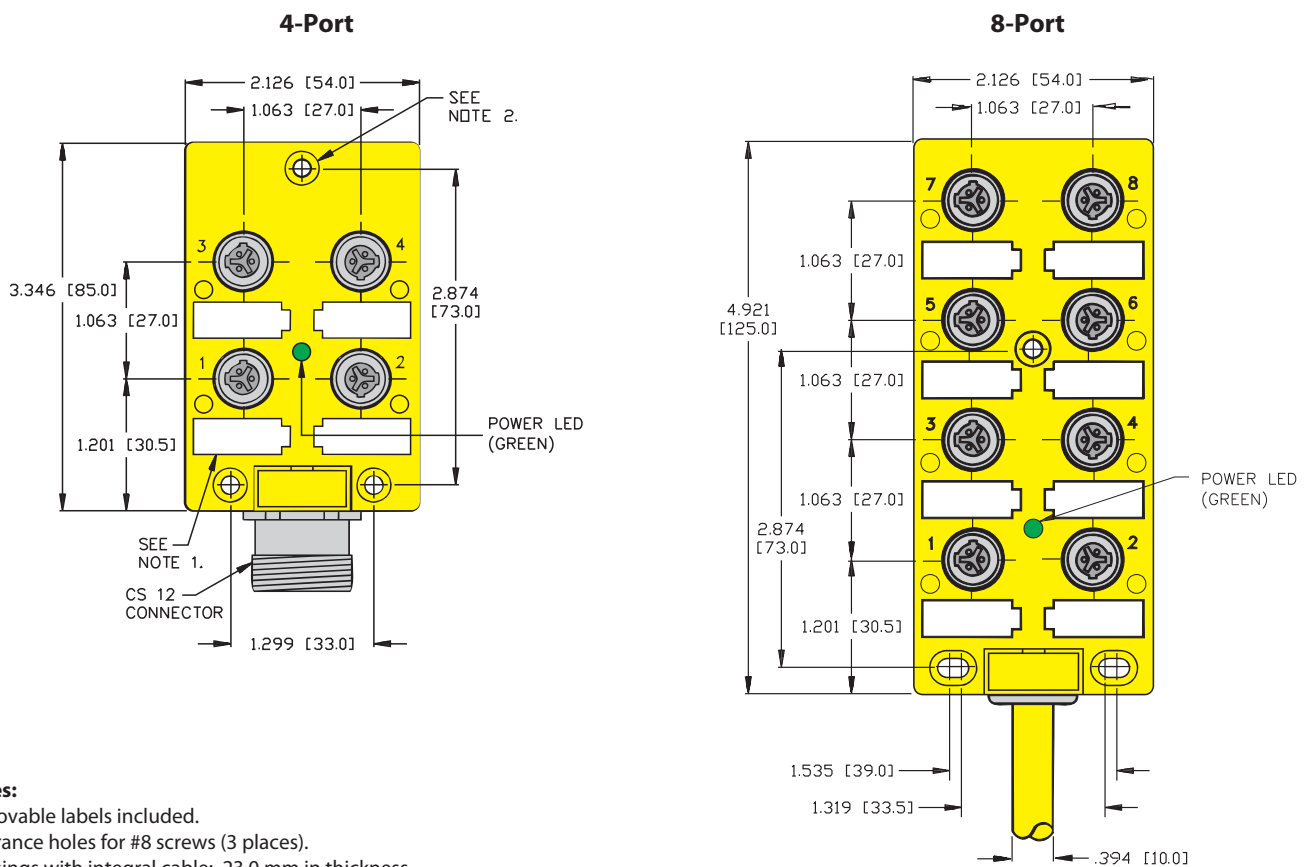
Functional Wiring Diagram



Specifications

Housing:	Nylon
Contact Carrier:	Nylon (<i>microfast</i> [®])
Contacts:	Gold plated brass
Thread Inserts:	Nickel plated brass
Cable:	See table
Temperature:	-30 C to +80 C (-22 F to +176 F)
Protection:	IEC IP67
Cable Length:	Standard cable length is nominal 5 meters. Other lengths available by request - consult factory
Accessories:	(2) SB-CC closure caps and a VZ1 label kit included

Dimensions



Multibox, microfast

- Notes:**
- Removable labels included.
 - Clearance holes for #8 screws (3 places).
 - Housings with integral cable: 23.0 mm in thickness.
 - Housings with quick disconnect: 33.0 mm thickness.
 - Green LED = Power on (center position)
 - Yellow LED = Signal (outer position).

Pinout

Female	Male
3-pin microfast	12-pin multifast

Accessories

Drawing	Part Number	Features
	RKF-MC	Nickel plated brass, 7/8-16UN threads, No lanyard, nitrile gasket, mates to male cordsets, receptacles, or junction box
	RKFV-MC	Stainless Steel, 7/8-16UN threads, No lanyard, nitrile gasket, mates to male cordsets, receptacles, or junction box
	RSF-MC	Nickel plated brass, 7/8-16UN threads, No lanyard, nitrile gasket, mates to female cordsets, receptacles, or junction box
	RSFV-MC	Stainless Steel, 7/8-16UN threads, No lanyard, nitrile gasket, mates to female cordsets, receptacles, or junction box
	RSFK-MC	Nylon 7/8-16UN threads, No lanyard, nitrile gasket, mates to female cordsets, receptacles, or junction box
	VZ 1	Nylon, 8 white labels, 8x20 mm each, snap-in labels for <i>eurofast</i> and <i>microfast</i> junction boxes, <i>Vfast</i>
	VZ 12	Nylon, 40 white labels, 9x20 mm each, snap-in labels for <i>eurofast</i> junction boxes, <i>Vfast</i>

Drawing	Part Number	Features	Pinout
	RSM 30-J23	<i>minifast</i> ®, 7/8-16UN thread, 300 V 80°C, jumper plug for use on unused inputs for series wired junction boxes	

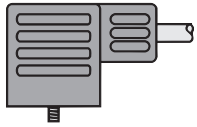
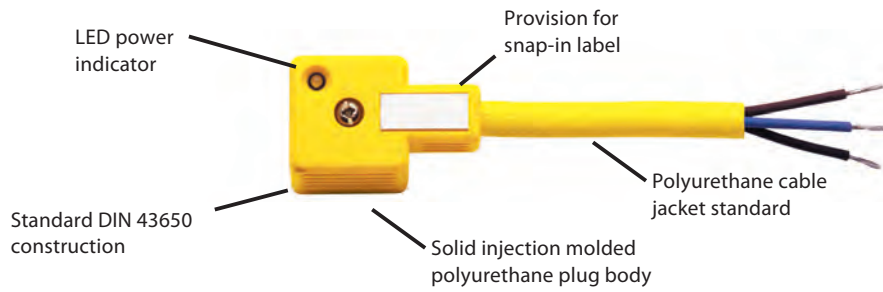
Part Number Keys	T3
Cordsets	T4
Splitters	T40
Field Wireables	T42

Features

- Environmentally protected electrical junction for use with hydraulic and pneumatic solenoid valves
- Available in A, B, I and C designs
- Options for wiring with LED, MOV or diode
- Provides rapid change out

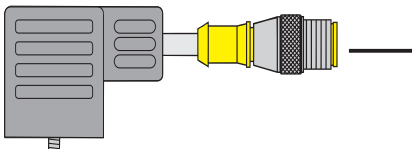


TURCK Valve Connector Products



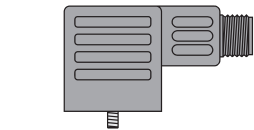
Cable Styles

Cable Styles	
Type "A" (18 mm) Straight Wired, Indicator LED, Indicator LED and MOV, Indicator LED and Diode - DC	T4
Type "A" (18 mm) 3 Conductors + Ground Straight Wired, Indicator LED, Indicator LED and MOV	T10
Type "B" (10 mm) Straight Wired, Indicator LED, Indicator LED and MOV, Indicator LED and Diode - DC	T14
Type "I" (11 mm) Straight Wired, Indicator LED, Indicator LED and MOV, Indicator LED and Diode - DC	T20
Type "C" (8 mm) Straight Wired, Indicator LED, Indicator LED and MOV, Indicator LED and Diode - DC	T26
Type "C" (9.4 mm) Straight Wired, Indicator LED, Indicator LED and MOV, Indicator LED and Diode - DC	T32



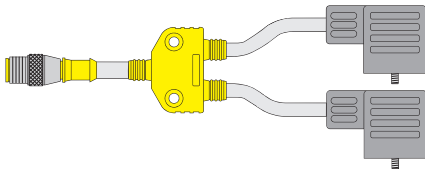
Extension Styles

Extension Styles	
Type "A" (18 mm) with <i>eurofast</i>, <i>picofast</i>, <i>minifast</i> and <i>microfast</i> Connectors	T6
Type "A" (18 mm) 3 Conductors + Ground with <i>eurofast</i> Connector	T12
Type "B" (10 mm) with <i>eurofast</i>, <i>picofast</i>, <i>minifast</i> and <i>microfast</i> Connectors	T16
Type "I" (11 mm) with <i>eurofast</i>, <i>picofast</i>, <i>minifast</i> and <i>microfast</i> Connectors	T22
Type "C" (8 mm) with <i>eurofast</i>, <i>picofast</i>, <i>minifast</i> and <i>microfast</i> Connectors	T28
Type "C" (9.4 mm) with <i>eurofast</i>, <i>minifast</i> and <i>microfast</i> Connectors	T34
Double Ended Valve Connectors - Consult factory for availability	



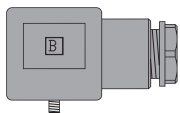
Integral Connector Styles

Integral Connector Styles	
Type "A" (18 mm) with <i>eurofast</i> and <i>picofast</i> Connectors	T38
Type "B" (10 mm) and Type "I" (11 mm) with <i>picofast</i> Connector	T38



2 Branch Styles

2 Branch Molded Junctions with Valve Plugs	
Types "A", "B", "I" and "C"	T40



Field Wireables

Field Wireable Styles	
Types "A", "B", "I" and "C"	T42

DIN 43650 Valve Cordset Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



DIN 43650 Valve Cordset

- T = cable exit on ground side
- V = cable exit opposite ground side

Housing Style

- A = type "A" (27.5 x 27.5 mm)
18 mm contact spacing
- B = type "B" (21.5 x 28 mm)
10 mm contact spacing
- I = type "I" (21.5 x 28 mm)
11 mm contact spacing
- C8 = type "C" (16 x 16 mm)
8 mm contact spacing
- C9 = type "C" (16 x 16 mm)
9.4 mm contact spacing

Housing Color

- G = grey
- S = black
- Y = yellow

Pinout

- 2= 2 conductors, 1 ground
- 21 = 2 conductors, ground not connected
- 22 = 2 conductors, 1 ground, ground contacts parallel wired
- 3= 3 conductors, 1 ground
- 4= 3 conductors, 1 ground, additional wire for dual LED

Varieties

/S.. = consult factory, special

Insertion Point of Extension Cable 2nd Prefix*

* Valve connector listed 1st, other connector 2nd
Example: VAS 22-F653-1M-RS 5.3T

Connection Type / Length in Meters

- (blank) = field wireable
- FS 5.3 = integrated M12 **eurofast**® connector
- V1131 = integrated M8 **picofast**® connector

Number of Wires / AWG / Color Codes

(blank) = adapter	644 = 4x18	AWG BN, BU, BK, WH
W = field wireable connector	653 = 3x18	AWG BK, BK, GN/YE
544 = 4x18	AWG BN, WH, BK, BU	654 = 3x18
587 = 3x24	AWG BN, BU, BK	AWG BN, BU, BK
580 = 4x18	AWG BN, WH, BK, BU	658 = 3x18
642 = 3x24	AWG BN, BU, BK	AWG RD/BK, RD/WH, GN
		669 = 3x18
		AWG BK, BK, GN/YE

Wiring

A = straight through 0-220	VAC/DC	L= yellow LED 24	VAC/DC
B = yellow LED 24-48	VAC/DC	M= yellow LED 48	VAC/DC
C = yellow LED 110-220	VAC/DC	N = yellow LED 110	VAC/DC
D = yellow LED/MOV. 24-48	VAC/DC	P = yellow LED/MOV. 24	VAC/DC
E = yellow LED/MOV. 110-220	VAC/DC	R = yellow LED/MOV 48	VAC/DC
F = yellow LED/Diode 24-48	VDC		
K = two color LED for change over to switch 24	VDC		
red = switch open position			
green = switch closed position			

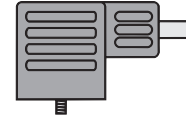
TURCK Valve Connector Products

Valve Connectors, Type "A" (18 mm)

Available with PVC, PUR and Rubber Jacket
18 and 24 AWG
2 Conductors + Ground, Ground Contacts Parallel Wired



**All parts except "E".



Type A

"A" Style Valve Connectors, Standard Color Code

Application	Cable Specs	Pinout	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**	Indicator LED and Diode - DC only
Standard duty PVC	3/18 AWG, Grey PVC 105°C 6.2 mm OD Black Body	1. BK 1 2. BK 2 Gnd - GN/YE	0-220	VAS 22-A653-*M	- - - -	- - - -	- - - -
			24-48	- - - -	VAS 22-B653-*M	VAS 22-D653-*M	VAS 22-F653-*M
			110-220	- - - -	VAS 22-C653-*M	VAS 22-E653-*M	- - - -
Standard duty PUR	3/18 AWG, Grey PUR 80°C 6.2 mm OD Black Body	1. BK 1 2. BK 2 Gnd - GN/YE	0-220	VAS 22-A669-*M	- - - -	- - - -	- - - -
			24-48	- - - -	VAS 22-B669-*M	VAS 22-D669-*M	VAS 22-F669-*M
			110-220	- - - -	VAS 22-C669-*M	VAS 22-E669-*M	- - - -

"A" Style Valve Connectors, IEC Color Code

Application	Cable Specs	Pinout	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**	Indicator LED and Diode - DC only
Small diameter PVC	3/24 AWG, Yellow PVC 105°C 4.4 mm OD Black Body	1. BN 2. BU Gnd - BK	0-220	VAS 22-A642-*M	- - - -	- - - -	- - - -
			24-48	- - - -	VAS 22-B642-*M	VAS 22-D642-*M	VAS 22-F642-*M
			110-220	- - - -	VAS 22-C642-*M	VAS 22-E642-*M	- - - -
Small diameter PUR	3/24 AWG, Black PUR 80°C 4.2 mm OD Black Body	1. BN 2. BU Gnd - BK	0-220	VAS 22-A587-*M	- - - -	- - - -	- - - -
			24-48	- - - -	VAS 22-B587-*M	VAS 22-D587-*M	VAS 22-F587-*M
			110-220	- - - -	VAS 22-C587-*M	VAS 22-E587-*M	- - - -
Rubber	3/18 AWG, Yellow CPE SJOOW, 105°C 8.0 mm OD Black Body	1. BN 2. BU Gnd - BK	0-220	VAS 22-A654-*M	- - - -	- - - -	- - - -
			24-48	- - - -	VAS 22-B654-*M	VAS 22-D654-*M	VAS 22-F654-*M
			110-220	- - - -	VAS 22-C654-*M	VAS 22-E654-*M	- - - -

"A" Style Valve Connectors, Automotive Color Code

Application	Cable Specs	Pinout	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**	Indicator LED and Diode - DC only
Rubber	3/18 AWG, Yellow CPE SJOOW, 105°C 8.0 mm OD Yellow Body	1. RD 1 2. RD 2 Gnd - GN	0-220	VAY 22-A658-*M	- - - -	- - - -	- - - -
			24-48	- - - -	VAY 22-B658-*M	VAY 22-D658-*M	- - - -
			110-220	- - - -	VAY 22-C658-*M	VAY 22-E658-*M	- - - -

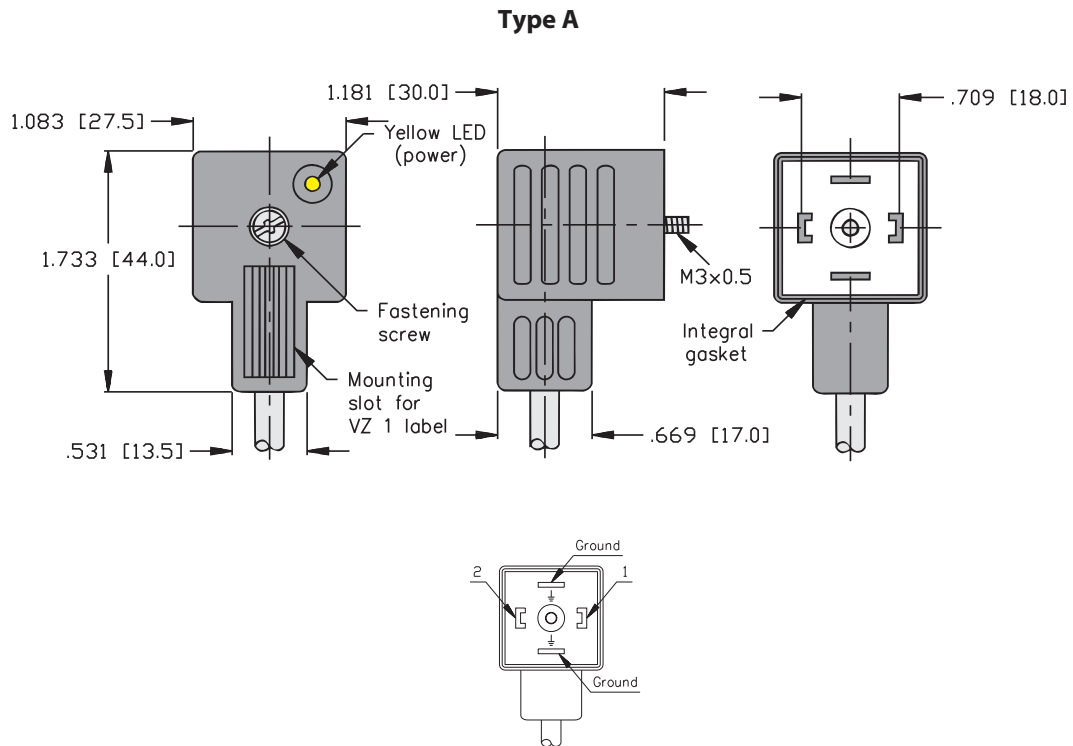
* Length in meters

Specifications

- Connector:** Oil resistant polyurethane body material, Nylon contact carrier.
- Contacts:** Silver plated copper alloy.
- Cable:** See table.
- Cable length:** Standard cable lengths are nominal 2, 5 and 10 meters. Other lengths available by request - consult factory.
- Protection Class:** NEMA 1,3,4,6P and IEC IP 67 when connected and secured.

Options: Grey connector body available (special order), change part number VAS.. or VAY.. to VAG.. For other combinations or options, consult factory.

Dimensions



Wiring Diagrams

Straight Wired (A)	Indicator LED (B,C)	Indicator LED and MOV (D,E)	Indicator LED and Diode - DC (F)

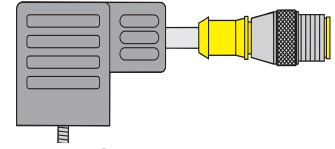
TURCK Valve Connector Products

Valve Connectors, Type "A" (18 mm) Extensions

euofast[®] and picofast[®] Connectors
Wired for Use with Junction Box
2 Conductors + Ground (euofast), Ground Contacts Parallel Wired



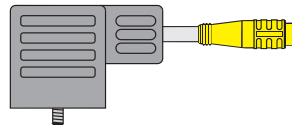
**All parts except "E".



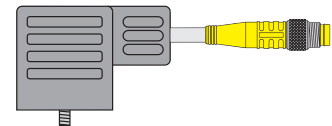
euofast Extension

"A" Style Valve Connectors, euofast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**	Indicator LED and Diode - DC only
Standard duty PVC	3/18 AWG Grey PVC 105°C 6.2 mm OD	0-220 24-48 110-220	VAS 22-A653-*M-RS 5.3T	- - - -	- - - -	- - - -
			- - - -	VAS 22-B653-*M-RS 5.3T	VAS 22-D653-*M-RS 5.3T	VAS 22-F653-*M-RS 5.3T
			- - - -	VAS 22-C653-*M-RS 5.3T	VAS 22-E653-*M-RS 5.3T	- - - -
Standard duty PUR	3/18 AWG Grey PUR 80°C 6.2 mm OD	0-220 24-48 110-220	VAS 22-A669-*M-RS 5.3T	- - - -	- - - -	- - - -
			- - - -	VAS 22-B669-*M-RS 5.3T	VAS 22-D669-*M-RS 5.3T	VAS 22-F669-*M-RS 5.3T
			- - - -	VAS 22-C669-*M-RS 5.3T	VAS 22-E669-*M-RS 5.3T	- - - -
Rubber	3/18 AWG Yellow CPE SJ00W 105°C 8.0 mm OD	0-220 24-48 110-220	VAS 22-A654-*M-RSE 5.3T	- - - -	- - - -	- - - -
			- - - -	VAS 22-B654-*M-RSE 5.3T	VAS 22-D654-*M-RSE 5.3T	VAS 22-F654-*M-RSE 5.3T
			- - - -	VAS 22-C654-*M-RSE 5.3T	VAS 22-E654-*M-RSE 5.3T	- - - -



picofast Snap Extension



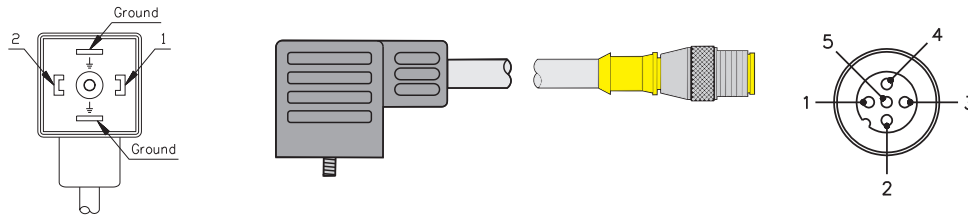
picofast Threaded Extension

"A" Style Valve Connectors, picofast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV	Indicator LED and Diode - DC only
Small diameter, PVC Snap lock	3/24 AWG Yellow PVC 105°C 4.4 mm OD	0-125 24-48 110-220	VAS 22-A642-*M-PSG 3	- - - -	- - - -	- - - -
			- - - -	VAS 22-B642-*M-PSG 3	VAS 22-D642-*M-PSG 3	VAS 22-F642-*M-PSG 3
Small diameter, PUR Snap lock	3/24 AWG Black PUR 80°C 4.2 mm OD	0-125 24-48 110-220	VAS 22-A587-*M-PSG 3	- - - -	- - - -	- - - -
			- - - -	VAS 22-B587-*M-PSG 3	VAS 22-D587-*M-PSG 3	VAS 22-F587-*M-PSG 3
Small diameter, PVC Threaded	3/24 AWG Yellow PVC 105°C 4.4 mm OD	0-125 24-48 110-220	VAS 22-A642-*M-PSG 3M	- - - -	- - - -	- - - -
			- - - -	VAS 22-B642-*M-PSG 3M	VAS 22-D642-*M-PSG 3M	VAS 22-F642-*M-PSG 3M
Small diameter, PUR Threaded	3/24 AWG Black PUR 80°C 4.2 mm OD	0-125 24-48 110-220	VAS 22-A587-*M-PSG 3M	- - - -	- - - -	- - - -
			- - - -	VAS 22-B587-*M-PSG 3M	VAS 22-D587-*M-PSG 3M	VAS 22-F587-*M-PSG 3M

* Length in meters

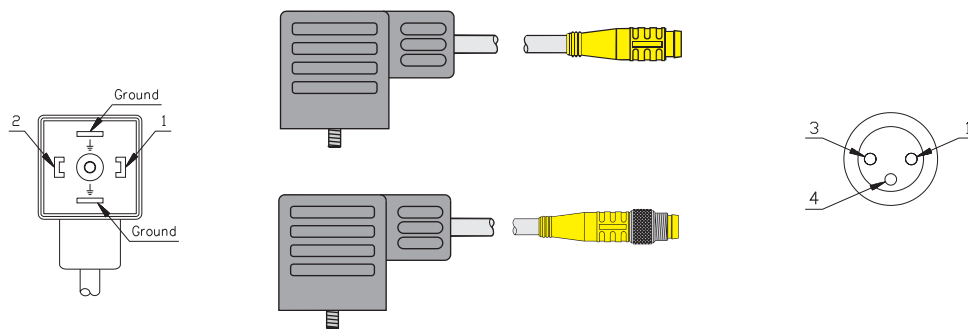
Type "A" (18 mm) Valve Connector to *euromast* Extension



Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)	Indicator LED and Diode - DC (F)

Type "A" (18 mm) Valve Connector to *picofast* Extension



Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)	Indicator LED and Diode - DC (F)

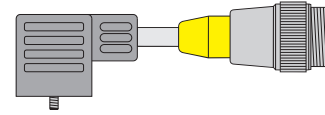
TURCK Valve Connector Products

Valve Connectors, Type "A" (18 mm) Extensions

minifast[®] and microfast[®] Connectors
 Available with PVC, PUR and Rubber Jackets
 18 AWG
 2 Conductors + Ground,
 Ground Contacts Parallel Wired



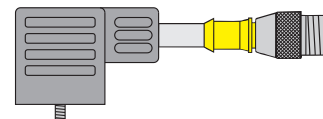
**All parts except "E".



minifast Extension

"A" Style Valve Connectors, minifast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**
Standard duty PVC	3/18 AWG, Grey PVC 105°C 6.2 mm OD Black Body	0-220 24-48 110-220	VAS 22-A653-*M-RSM 30	- - - -	- - - -
			- - - -	VAS 22-B653-*M-RSM 30	VAS 22-D653-*M-RSM 30
			- - - -	VAS 22-C653-*M-RSM 30	VAS 22-E653-*M-RSM 30
Standard duty PUR	3/18 AWG, Grey PUR 80°C 6.2 mm OD Black Body	0-220 24-48 110-220	VAS 22-A669-*M-RSM 30	- - - -	- - - -
			- - - -	VAS 22-B669-*M-RSM 30	VAS 22-D669-*M-RSM 30
			- - - -	VAS 22-C669-*M-RSM 30	VAS 22-E669-*M-RSM 30
Rubber	3/18 AWG, Yellow CPE SJOOW 105°C 8.0 mm OD Yellow Body	0-220 24-48 110-220	VAY 22-A658-*M-RSM 30	- - - -	- - - -
			- - - -	VAY 22-B658-*M-RSM 30	VAY 22-D658-*M-RSM 30
			- - - -	VAY 22-C658-*M-RSM 30	VAY 22-E658-*M-RSM 30



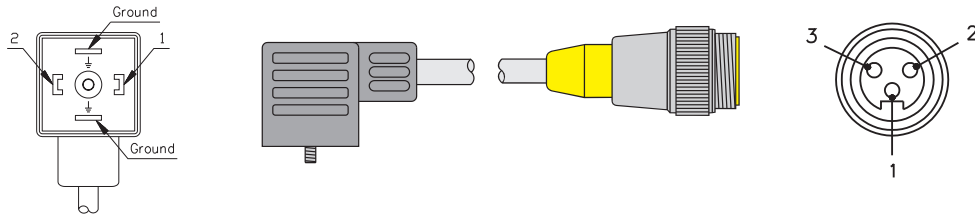
microfast Extension

"A" Style Valve Connectors, microfast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**
Standard duty PVC	3/18 AWG, Grey PVC 105°C 6.2 mm OD Black Body	0-220 24-48 110-220	VAS 22-A653-*M-SB 3T	- - - -	- - - -
			- - - -	VAS 22-B653-*M-SB 3T	VAS 22-D653-*M-SB 3T
			- - - -	VAS 22-C653-*M-SB 3T	VAS 22-E653-*M-SB 3T
Standard duty PUR	3/18 AWG, Grey PUR 80°C 6.2 mm OD Black Body	0-220 24-48 110-220	VAS 22-A669-*M-SB 3T	- - - -	- - - -
			- - - -	VAS 22-B669-*M-SB 3T	VAS 22-D669-*M-SB 3T
			- - - -	VAS 22-C669-*M-SB 3T	VAS 22-E669-*M-SB 3T
Rubber	3/18 AWG, Yellow CPE SJOOW, 105°C 8.0 mm OD Yellow Body	0-220 24-48 110-220	VAY 22-A658-*M-SBE 3T	- - - -	- - - -
			- - - -	VAY 22-B658-*M-SBE 3T	VAY 22-D658-*M-SBE 3T
			- - - -	VAY 22-C658-*M-SBE 3T	VAY 22-E658-*M-SBE 3T

* Length in meters

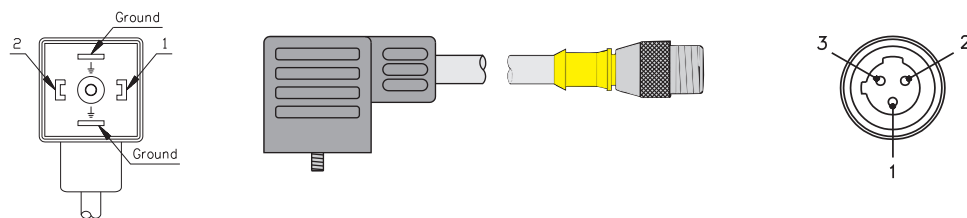
Type "A" (18 mm) Valve Connector to *minifast* Extension



Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)

Type "A" (18 mm) Valve Connector to *microfast* Extension



Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)

TURCK Valve Connector Products

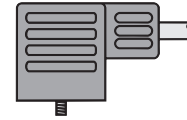
Valve Connectors Type "A" (18 mm), 3 Conductors+Ground

Available with PVC, PUR and Rubber Jackets
 18 AWG
 3 Conductors + Ground



NRTL/C

**All parts except "E".



Type A

"A" Style Valve Connectors, IEC Color Code

Application	Cable Specs	Pinout	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**
Standard duty PVC	4/18 AWG, Grey PVC 105°C 7.3 mm OD	1. BN 2. BU 3. WH Gnd - BK	0-220 24-48 110-220	VAS 3-A580-*M - - - - - - - -	- - - - VAS 3-B580-*M VAS 3-C580-*M	- - - - VAS 3-D580-*M VAS 3-E580-*M
Standard duty PUR	4/18 AWG, Yellow PUR 80°C 7.3 mm OD	1. BN 2. BU 3. WH Gnd - BK	0-220 24-48 110-220	VAS 3-A544-*M - - - - - - - -	- - - - VAS 3-B544-*M VAS 3-C544-*M	- - - - VAS 3-D544-*M VAS 3-E544-*M
Rubber	4/18 AWG, Yellow CPE SJOOW, 105°C 8.5 mm OD	1. BN 2. BU 3. WH Gnd - BK	0-220 24-48 110-220	VAS 3-A644-*M - - - - - - - -	- - - - VAS 3-B644-*M VAS 3-C644-*M	- - - - VAS 3-D644-*M VAS 3-E644-*M

* Length in meters

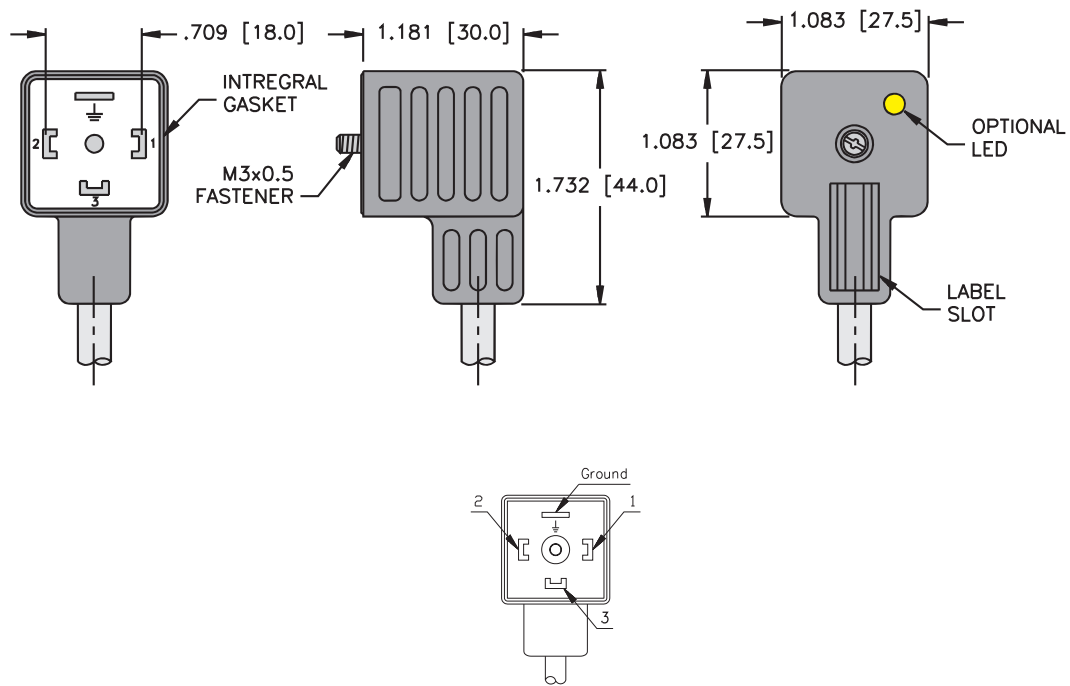
Specifications

- Connector:** Oil resistant polyurethane body material, Nylon contact carrier.
- Contacts:** Silver plated copper alloy.
- Cable:** See table.
- Cable length:** Standard cable lengths are nominal 2, 5 and 10 meters. Other lengths available by request - consult factory.
- Protection Class:** NEMA 1,3,4,6P and IEC IP 67 when connected and secured.

Options: Grey connector body available (special order), change part number VAS .. or VAY .. to VAG ..
For other combinations or options, consult factory.

Dimensions

Type A



Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)
<p>1) _____</p> <p>2) _____</p> <p>3) _____</p> <p>GND) _____</p>	<p>1) _____</p> <p>2) _____</p> <p>3) _____</p> <p>GND) _____</p>	<p>1) _____</p> <p>2) _____</p> <p>3) _____</p> <p>GND) _____</p>

TURCK Valve Connector Products

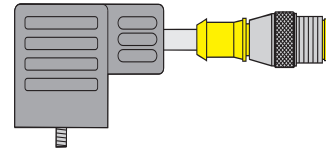
Valve Connectors, Type "A" (18 mm) Extensions

euofast[®] Connectors
Available with PVC, PUR and Rubber Jackets
18 AWG
3 Conductors + Ground



NRTL/C

**All parts except "E".



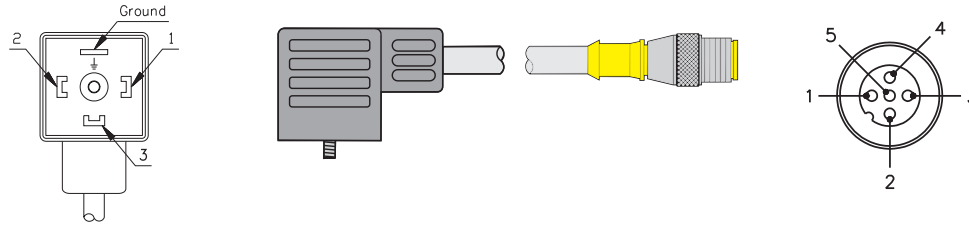
euofast Extension

"A" Style Valve Connectors, euofast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**
Standard duty PVC	4/18 AWG, Grey PVC 105°C 7.3 mm OD Black Body	0-220 24-48 110-220	VAS 3-A580-*M-RSC 5.42T - - - - - - - -	- - - - VAS 3-B580-*M-RSC 5.42T VAS 3-C580-*M-RSC 5.42T	- - - - VAS 3-D580-*M-RSC 5.42T VAS 3-E580-*M-RSC 5.42T
Standard duty PUR	4/18 AWG, Yellow PUR 80°C 7.3 mm OD Black Body	0-220 24-48 110-220	VAS 3-A544-*M-RSC 5.42T - - - - - - - -	- - - - VAS 3-B544-*M-RSC 5.42T VAS 3-C544-*M-RSC 5.42T	- - - - VAS 3-D544-*M-RSC 5.42T VAS 3-E544-*M-RSC 5.42T
Rubber	4/18 AWG, Yellow CPE SJOOW, 105°C 8.5 mm OD Black Body	0-220 24-48 110-220	VAS 3-A644-*M-RSE 5.42T - - - - - - - -	- - - - VAS 3-B644-*M-RSE 5.42T VAS 3-C644-*M-RSE 5.42T	- - - - VAS 3-D644-*M-RSE 5.42T VAS 3-E644-*M-RSE 5.42T

* Length in meters

Type "A" (18 mm) Valve Connector to *eurofast* Extension



Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)
<p>1 ————— 2 2 ————— 3 3 ————— 4 GND ————— 5</p>	<p>1 — 2 2 — 3 3 — 4 GND — 5</p>	<p>1 — 2 2 — 3 3 — 4 GND — 5</p>

TURCK Valve Connector Products

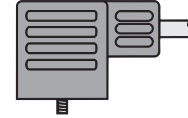
Valve Connectors, Type "B" (10 mm)

Available with PVC, PUR and Rubber Jacket
 18 and 24 AWG
 2 Conductors + Ground



NRTL/C

**All parts except "E".



Type B

"B" Style Valve Connectors, Standard Color Code

Application	Cable Specs	Pinout	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**	Indicator LED and Diode - DC only
Standard duty PVC	3/18 AWG, Grey PVC 105°C 6.2 mm OD Black Body	1. BK 1 2. BK 2 Gnd - GN/YE	0-220	VBS 2-A653-*M	- - - -	- - - -	- - - -
			24-48	- - - -	VBS 2-B653-*M	VBS 2-D653-*M	VBS 2-F653-*M
			110-220	- - - -	VBS 2-C653-*M	VBS 2-E653-*M	- - - -
Standard duty PUR	3/18 AWG, Grey PUR 80°C 6.2 mm OD Black Body	1. BK 1 2. BK 2 Gnd - GN/YE	0-220	VBS 2-A669-*M	- - - -	- - - -	- - - -
			24-48	- - - -	VBS 2-B669-*M	VBS 2-D669-*M	VBS 2-F669-*M
			110-220	- - - -	VBS 2-C669-*M	VBS 2-E669-*M	- - - -

"B" Style Valve Connectors, IEC Color Code

Application	Cable Specs	Pinout	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**	Indicator LED and Diode - DC only
Small diameter PVC	3/24 AWG, Yellow PVC 105°C 4.4 mm OD Black Body	1. BN 2. BU Gnd - BK	0-220	VBS 2-A642-*M	- - - -	- - - -	- - - -
			24-48	- - - -	VBS 2-B642-*M	VBS 2-D642-*M	VBS 2-F642-*M
			110-220	- - - -	VBS 2-C642-*M	VBS 2-E642-*M	- - - -
Small diameter PUR	3/24 AWG, Black PUR 80°C 4.2 mm OD Black Body	1. BN 2. BU Gnd - BK	0-220	VBS 2-A587-*M	- - - -	- - - -	- - - -
			24-48	- - - -	VBS 2-B587-*M	VBS 2-D587-*M	VBS 2-F587-*M
			110-220	- - - -	VBS 2-C587-*M	VBS 2-E587-*M	- - - -
Rubber	3/18 AWG, Yellow CPE SJOOW, 105°C 8.0 mm OD Black Body	1. BN 2. BU Gnd - BK	0-220	VBS 2-A654-*M	- - - -	- - - -	- - - -
			24-48	- - - -	VBS 2-B654-*M	VBS 2-D654-*M	VBS 2-F654-*M
			110-220	- - - -	VBS 2-C654-*M	VBS 2-E654-*M	- - - -

"B" Style Valve Connectors, Automotive Color Code

Application	Cable Specs	Pinout	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**	Indicator LED and Diode - DC only
Rubber	3/18 AWG, Yellow CPE SJOOW, 105°C 8.0 mm OD Yellow Body	1. RD/BK 2. RD/WH 3. GN	0-220	VBY 2-A658-*M	- - - -	- - - -	- - - -
			24-48	- - - -	VBY 2-B658-*M	VBY 2-D658-*M	- - - -
			110-220	- - - -	VBY 2-C658-*M	VBY 2-E658-*M	- - - -

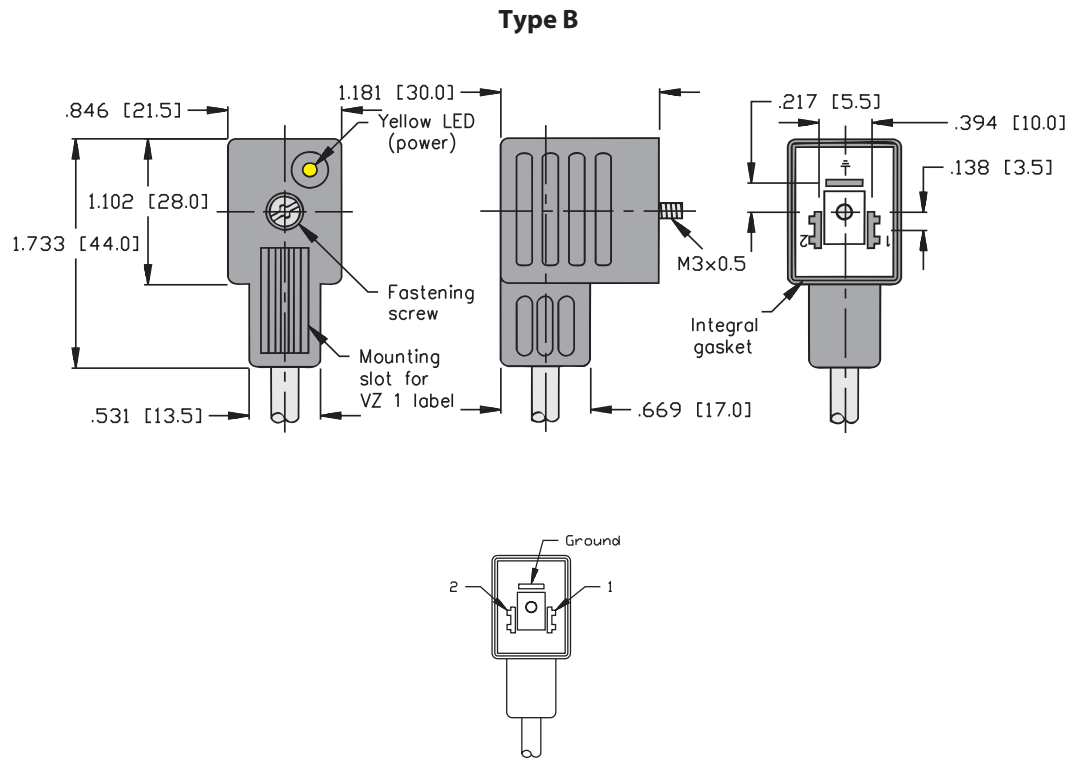
* Length in meters

Specifications

- Connector:** Oil resistant polyurethane body material, Nylon contact carrier.
- Contacts:** Silver plated copper alloy.
- Cable:** See table.
- Cable length:** Standard cable lengths are nominal 2, 5 and 10 meters. Other lengths available by request - consult factory.
- Protection Class:** NEMA 1,3,4,6P and IEC IP 67 when connected and secured.

Options: Grey connector body available (special order), change part number VBS .. or VBY .. to VBG ..
 To have cable exit on the same side as the ground pin, change part number from VBS .. To TBS ..
 For other combinations or options, consult factory.

Dimensions



Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)	Indicator LED and Diode - DC (F)
<p>1) _____</p> <p>2) _____</p> <p>GND) _____</p>			<p>DC ONLY</p>

TURCK Valve Connector Products

Valve Connectors, Type "B" (10 mm) Extensions

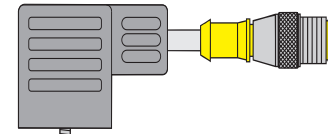
eurofast® and picofast® Connectors

Wired for Use with Junction Box
2 Conductors + Ground
(eurofast)



NRTL/C

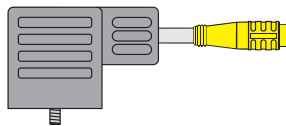
**All parts except "E".



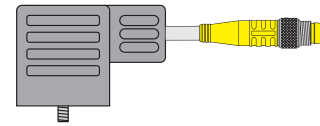
eurofast Extension

"B" Style Valve Connectors, eurofast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**	Indicator LED and Diode - DC only
Standard duty PVC	3/18 AWG Grey PVC 105°C 6.2 mm OD	0-220 24-48 110-220	VBS 2-A653-*M-RS 5.3T	- - - -	- - - -	- - - -
			- - - -	VBS 2-B653-*M-RS 5.3T	VBS 2-D653-*M-RS 5.3T	VBS 2-F653-*M-RS 5.3T
			- - - -	VBS 2-C653-*M-RS 5.3T	VBS 2-E653-*M-RS 5.3T	- - - -
Standard duty PUR	3/18 AWG Grey PUR 80°C 6.2 mm OD	0-220 24-48 110-220	VBS 2-A669-*M-RS 5.3T	- - - -	- - - -	- - - -
			- - - -	VBS 2-B669-*M-RS 5.3T	VBS 2-D669-*M-RS 5.3T	VBS 2-F669-*M-RS 5.3T
			- - - -	VBS 2-C669-*M-RS 5.3T	VBS 2-E669-*M-RS 5.3T	- - - -
Rubber	3/18 AWG Yellow CPE SJOOW, 105°C 8.0 mm OD	0-220 24-48 110-220	VBS 2-A654-*M-RSE 5.3T	- - - -	- - - -	- - - -
			- - - -	VBS 2-B654-*M-RSE 5.3T	VBS 2-D654-*M-RSE 5.3T	VBS 2-F654-*M-RSE 5.3T
			- - - -	VBS 2-C654-*M-RSE 5.3T	VBS 2-E654-*M-RSE 5.3T	- - - -



picofast Snap Extension



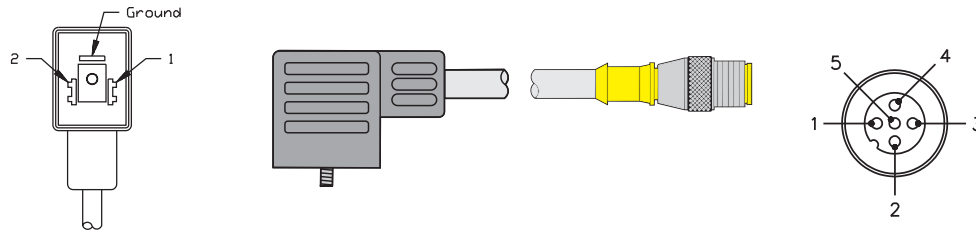
picofast Threaded Extension

"B" Style Valve Connectors, picofast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV	Indicator LED and Diode - DC only
Small diameter, PVC Snap lock	3/24 AWG Yellow PVC 105°C 4.4 mm OD	0-125 24-48 110-220	VBS 2-A642-*M-PSG 3	- - - -	- - - -	- - - -
			- - - -	VBS 2-B642-*M-PSG 3	VBS 2-D642-*M-PSG 3	VBS 2-F642-*M-PSG 3
			- - - -	- - - -	- - - -	- - - -
Small diameter, PUR Snap lock	3/24 AWG Black PUR 80°C 4.2 mm OD	0-125 24-48 110-220	VBS 2-A587-*M-PSG 3	- - - -	- - - -	- - - -
			- - - -	VBS 2-B587-*M-PSG 3	VBS 2-D587-*M-PSG 3	VBS 2-F587-*M-PSG 3
			- - - -	- - - -	- - - -	- - - -
Small diameter, PVC Threaded	3/24 AWG Yellow PVC 105°C 4.4 mm OD	0-125 24-48 110-220	VBS 2-A642-*M-PSG 3M	- - - -	- - - -	- - - -
			- - - -	VBS 2-B642-*M-PSG 3M	VBS 2-D642-*M-PSG 3M	VBS 2-F642-*M-PSG 3M
			- - - -	- - - -	- - - -	- - - -
Small diameter, PUR Threaded	3/24 AWG Black PUR 80°C 4.2 mm OD	0-125 24-48 110-220	VBS 2-A587-*M-PSG 3M	- - - -	- - - -	- - - -
			- - - -	VBS 2-B587-*M-PSG 3M	VBS 2-D587-*M-PSG 3M	VBS 2-F587-*M-PSG 3M
			- - - -	- - - -	- - - -	- - - -

* Length in meters

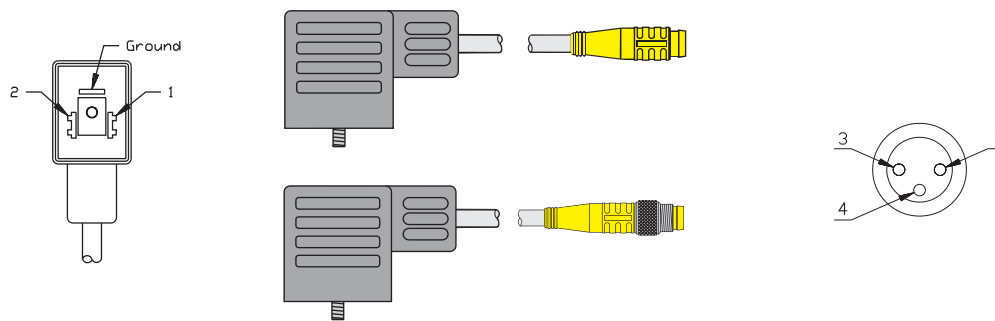
Type "B" (10 mm) Valve Connector to eurofast Extension



Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)	Indicator LED and Diode - DC (F)
<p>1 → 4 2 → 3 GND → 5</p>			

Type "B" (10 mm) Valve Connector to picofast Extension



Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)	Indicator LED and Diode - DC (F)
<p>1 → 4 2 → 3 GND → NC</p>			

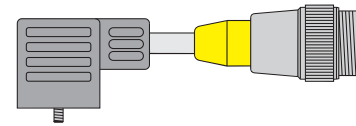
TURCK Valve Connector Products

Valve Connectors, Type "B" (10 mm) Extensions

minifast[®] and microfast[®] Connectors
18 AWG
2 Conductors + Ground



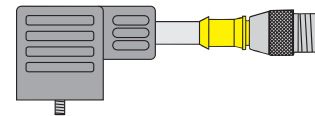
**All parts except "E".



minifast Extension

"B" Style Valve Connectors, minifast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**
Standard duty PVC	3/18 AWG, Grey PVC 105°C 6.2 mm OD Black Body	0-220 24-48 110-220	VBS 2-A653-*M-RSM 30 - - - - - - - -	- - - - VBS 2-B653-*M-RSM 30 VBS 2-C653-*M-RSM 30	- - - - VBS 2-D653-*M-RSM 30 VBS 2-E653-*M-RSM 30
Standard duty PUR	3/18 AWG, Grey PUR 80°C 6.2 mm OD Black Body	0-220 24-48 110-220	VBS 2-A669-*M-RSM 30 - - - - - - - -	- - - - VBS 2-B669-*M-RSM 30 VBS 2-C669-*M-RSM 30	- - - - VBS 2-D669-*M-RSM 30 VBS 2-E669-*M-RSM 30
Rubber	3/18 AWG, Yellow CPE SJOOW, 105°C 8.0 mm OD Yellow Body	0-220 24-48 110-220	VBY 2-A658-*M-RSM 30 - - - - - - - -	- - - - VBY 2-B658-*M-RSM 30 VBY 2-C658-*M-RSM 30	- - - - VBY 2-D658-*M-RSM 30 VBY 2-E658-*M-RSM 30



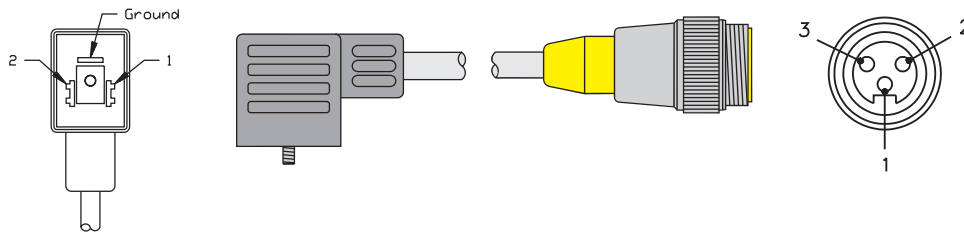
microfast Extension

"B" Style Valve Connectors, microfast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**
Standard duty PVC	3/18 AWG, Grey PVC 105°C 6.2 mm OD Black Body	0-220 24-48 110-220	VBS 2-A653-*M-SB 3T - - - - - - - -	- - - - VBS 2-B653-*M-SB 3T VBS 2-C653-*M-SB 3T	- - - - VBS 2-D653-*M-SB 3T VBS 2-E653-*M-SB 3T
Standard duty PUR	3/18 AWG, Grey PUR 80°C 6.2 mm OD Black Body	0-220 24-48 110-220	VBS 2-A669-*M-SB 3T - - - - - - - -	- - - - VBS 2-B669-*M-SB 3T VBS 2-C669-*M-SB 3T	- - - - VBS 2-D669-*M-SB 3T VBS 2-E669-*M-SB 3T
Rubber	3/18 AWG, Yellow CPE SJOOW, 105°C 8.0 mm OD Yellow Body	0-220 24-48 110-220	VBY 2-A658-*M-SBE 3T - - - - - - - -	- - - - VBY 2-B658-*M-SBE 3T VBY 2-C658-*M-SBE 3T	- - - - VBY 2-D658-*M-SBE 3T VBY 2-E658-*M-SBE 3T

* Length in meters

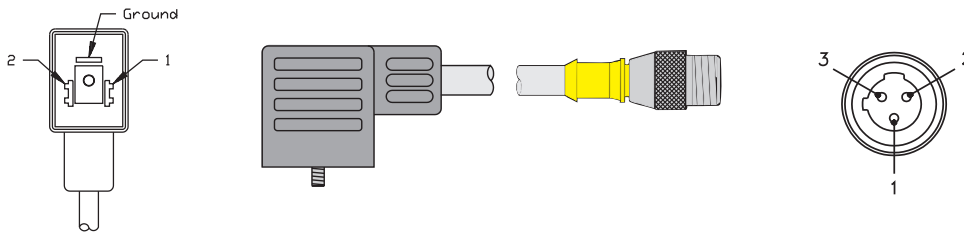
Type "B" (10 mm) Valve Connector to *minifast* Extension



Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)

Type "B" (10 mm) Valve Connector to *microfast* Extension



Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)

TURCK Valve Connector Products

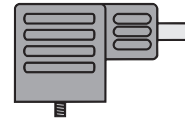
Valve Connectors, Type "I" (11 mm)

Available with PVC, PUR and Rubber Jacket
 18 and 24 AWG
 2 Conductors + Ground



NRTL/C

**All parts except "E".



Type I

"I" Style Valve Connectors, Standard Color Code

Application	Cable Specs	Pinout	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**	Indicator LED and Diode - DC only
Standard duty PVC	3/18 AWG, Grey PVC 105°C 6.2 mm OD Black Body	1. BK 1 2. BK 2 Gnd - GN/YE	0-220	VIS 2-A653-*M	- - - -	- - - -	- - - -
			24-48	- - - -	VIS 2-B653-*M	VIS 2-D653-*M	VIS 2-F653-*M
			110-220	- - - -	VIS 2-C653-*M	VIS 2-E653-*M	- - - -
Standard duty PUR	3/18 AWG, Grey PUR 80°C 6.2 mm OD Black Body	1. BK 1 2. BK 2 Gnd - GN/YE	0-220	VIS 2-A669-*M	- - - -	- - - -	- - - -
			24-48	- - - -	VIS 2-B669-*M	VIS 2-D669-*M	VIS 2-F669-*M
			110-220	- - - -	VIS 2-C669-*M	VIS 2-E669-*M	- - - -

"I" Style Valve Connectors, IEC Color Code

Application	Cable Specs	Pinout	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**	Indicator LED and Diode - DC only
Small diameter PVC	3/24 AWG, Yellow PVC 105°C 4.4 mm OD Black Body	1. BN 2. BU Gnd - BK	0-220	VIS 2-A642-*M	- - - -	- - - -	- - - -
			24-48	- - - -	VIS 2-B642-*M	VIS 2-D642-*M	VIS 2-F642-*M
			110-220	- - - -	VIS 2-C642-*M	VIS 2-E642-*M	- - - -
Small diameter PUR	3/24 AWG, Black PUR 80°C 4.2 mm OD Black Body	1. BN 2. BU Gnd - BK	0-220	VIS 2-A587-*M	- - - -	- - - -	- - - -
			24-48	- - - -	VIS 2-B587-*M	VIS 2-D587-*M	VIS 2-F587-*M
			110-220	- - - -	VIS 2-C587-*M	VIS 2-E587-*M	- - - -
Rubber	3/18 AWG, Yellow CPE SJOOW, 105°C 8.0 mm OD Black Body	1. BN 2. BU Gnd - BK	0-220	VIS 2-A654-*M	- - - -	- - - -	- - - -
			24-48	- - - -	VIS 2-B654-*M	VIS 2-D654-*M	VIS 2-F654-*M
			110-220	- - - -	VIS 2-C654-*M	VIS 2-E654-*M	- - - -

"I" Style Valve Connectors, Automotive Color Code

Application	Cable Specs	Pinout	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**	Indicator LED and Diode - DC only
Rubber	3/18 AWG, Yellow CPE SJOOW, 105°C 8.0 mm OD Yellow Body	1. RD 1 2. RD 2 Gnd - GN	0-220	VIY 2-A658-*M	- - - -	- - - -	- - - -
			24-48	- - - -	VIY 2-B658-*M	VIY 2-D658-*M	- - - -
			110-220	- - - -	VIY 2-C658-*M	VIY 2-E658-*M	- - - -

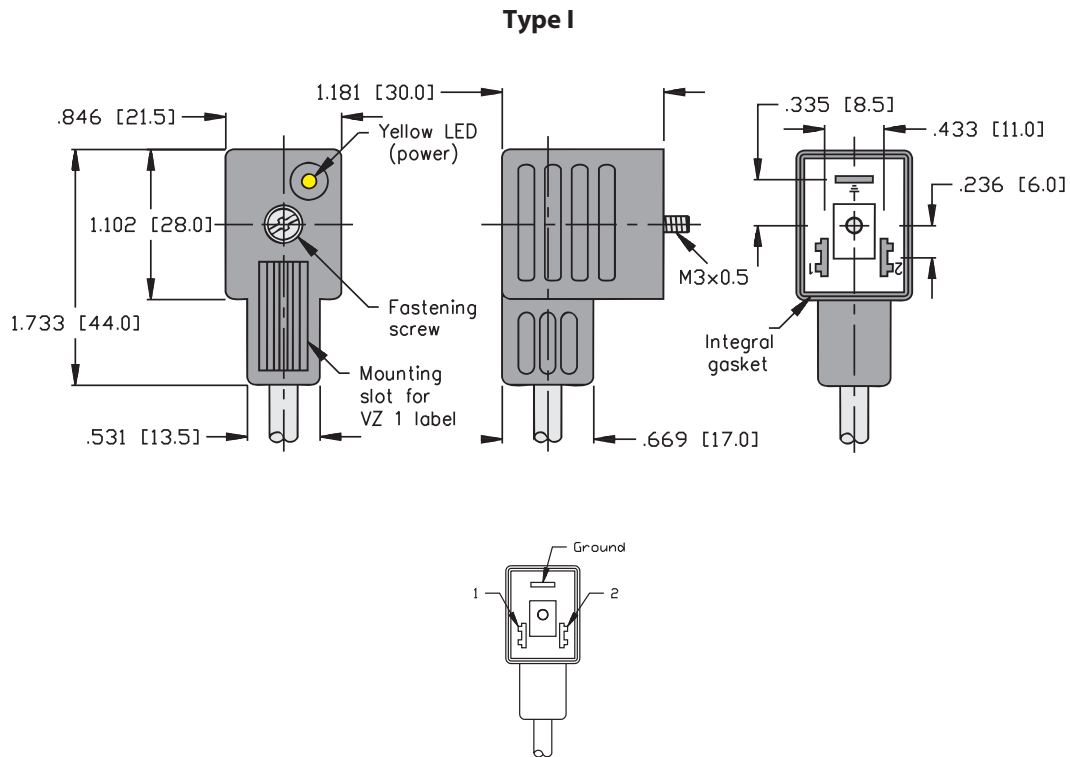
* Length in meters

Specifications

- Connector:** Oil resistant polyurethane body material, Nylon contact carrier.
- Contacts:** Silver plated copper alloy.
- Cable:** See table.
- Cable length:** Standard cable lengths are nominal 2, 5 and 10 meters. Other lengths available by request - consult factory.
- Protection Class:** NEMA 1,3,4,6P and IEC IP 67 when connected and secured.

Options: Grey connector body available (special order), change part number VIS .. or VIY .. to VIG ..
 To have cable exit on the same side as the ground pin, change part number from VIS .. to TIS ..
 For other combinations or options, consult factory.

Dimensions



Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)	Indicator LED and Diode - DC (F)
<p>1) _____</p> <p>2) _____</p> <p>GND) _____</p>			<p>DC ONLY</p>

TURCK Valve Connector Products

Valve Connectors, Type "I" (11 mm) Extensions

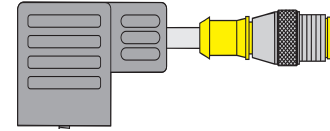
**eurofast® and picofast®
Connectors**

**Wired for Use with Junction Box
2 Conductors + Ground**



NRTL/C

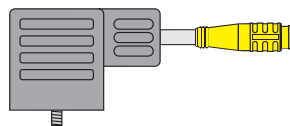
**All parts except "E".



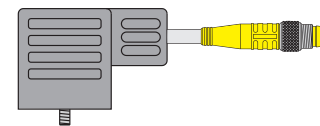
eurofast Extension

"I" Style Valve Connectors, eurofast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**	Indicator LED and Diode - DC only
Standard duty PVC	3/18 AWG Grey PVC 105°C 6.2 mm OD	0-220 24-48 110-220	VIS 2-A653-*M-RS 5.3T	- - - -	- - - -	- - - -
			- - - -	VIS 2-B653-*M-RS 5.3T	VIS 2-D653-*M-RS 5.3T	VIS 2-F653-*M-RS 5.3T
			- - - -	VIS 2-C653-*M-RS 5.3T	VIS 2-E653-*M-RS 5.3T	- - - -
Standard duty PUR	3/18 AWG Grey PUR 80°C 6.2 mm OD	0-220 24-48 110-220	VIS 2-A669-*M-RS 5.3T	- - - -	- - - -	- - - -
			- - - -	VIS 2-B669-*M-RS 5.3T	VIS 2-D669-*M-RS 5.3T	VIS 2-F669-*M-RS 5.3T
			- - - -	VIS 2-C669-*M-RS 5.3T	VIS 2-E669-*M-RS 5.3T	- - - -
Rubber	3/18 AWG Yellow CPE SJOOW, 105°C 8.0 mm OD	0-220 24-48 110-220	VIS 2-A654-*M-RSE 5.3T	- - - -	- - - -	- - - -
			- - - -	VIS 2-B654-*M-RSE 5.3T	VIS 2-D654-*M-RSE 5.3T	VIS 2-F654-*M-RSE 5.3T
			- - - -	VIS 2-C654-*M-RSE 5.3T	VIS 2-E654-*M-RSE 5.3T	- - - -



picofast Snap Extension



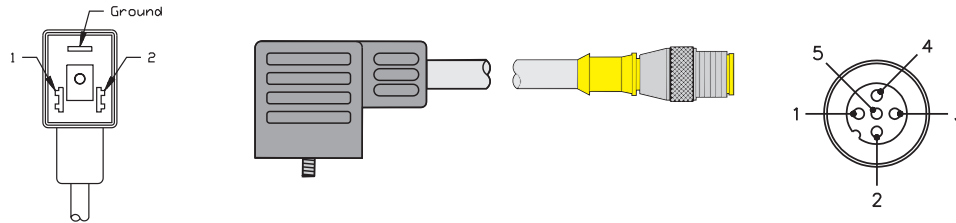
picofast Threaded Extension

"I" Style Valve Connectors, picofast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV	Indicator LED and Diode - DC only
Small diameter, PVC Snap lock	3/24 AWG Yellow PVC 105°C 4.4 mm OD	0-125 24-48 110-220	VIS 2-A642-*M-PSG 3	- - - -	- - - -	- - - -
			- - - -	VIS 2-B642-*M-PSG 3	VIS 2-D642-*M-PSG 3	VIS 2-F642-*M-PSG 3
			- - - -	- - - -	- - - -	- - - -
Small diameter, PUR Snap lock	3/24 AWG Black PUR 80°C 4.2 mm OD	0-125 24-48 110-220	VIS 2-A587-*M-PSG 3	- - - -	- - - -	- - - -
			- - - -	VIS 2-B587-*M-PSG 3	VIS 2-D587-*M-PSG 3	VIS 2-F587-*M-PSG 3
			- - - -	- - - -	- - - -	- - - -
Small diameter, PVC Threaded	3/24 AWG Yellow PVC 105°C 4.4 mm OD	0-125 24-48 110-220	VIS 2-A642-*M-PSG 3M	- - - -	- - - -	- - - -
			- - - -	VIS 2-B642-*M-PSG 3M	VIS 2-D642-*M-PSG 3M	VIS 2-F642-*M-PSG 3M
			- - - -	- - - -	- - - -	- - - -
Small diameter, PUR Threaded	3/24 AWG Black PUR 80°C 4.2 mm OD	0-125 24-48 110-220	VIS 2-A587-*M-PSG 3M	- - - -	- - - -	- - - -
			- - - -	VIS 2-B587-*M-PSG 3M	VIS 2-D587-*M-PSG 3M	VIS 2-F587-*M-PSG 3M
			- - - -	- - - -	- - - -	- - - -

* Length in meters

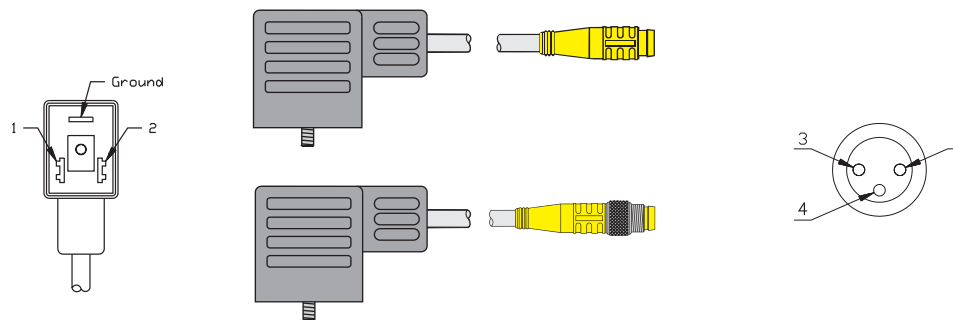
Type "I" (11 mm) Valve Connector to eurofast Extension



Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)	Indicator LED and Diode - DC (F)
<p>1 → 4 2 → 3 GND → 5</p>			<p>DC ONLY</p>

Type "I" (11 mm) Valve Connector to picofast Extension



Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)	Indicator LED and Diode - DC (F)
<p>1 → 4 2 → 3 GND → NC</p>			<p>DC ONLY</p>

TURCK Valve Connector Products

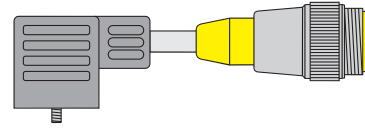
Valve Connectors, Type "I" (11 mm) Extensions

minifast[®] and microfast[®] Connectors
Available with PVC, PUR and Rubber Jacket
18 AWG
2 Conductors + Ground (eurofast)



NRTL/C

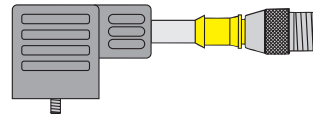
**All parts except "E".



"I" Style Valve Connectors, minifast Extension

minifast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**
Standard duty PVC	3/18 AWG, Grey PVC 105°C 6.2 mm OD Black Body	0-220 24-48 110-220	VIS 2-A653-*M-RSM 30	- - - -	- - - -
			- - - -	VIS 2-B653-*M-RSM 30	VIS 2-D653-*M-RSM 30
			- - - -	VIS 2-C653-*M-RSM 30	VIS 2-E653-*M-RSM 30
Standard duty PUR	3/18 AWG, Grey PUR 80°C 6.2 mm OD Black Body	0-220 24-48 110-220	VIS 2-A669-*M-RSM 30	- - - -	- - - -
			- - - -	VIS 2-B669-*M-RSM 30	VIS 2-D669-*M-RSM 30
			- - - -	VIS 2-C669-*M-RSM 30	VIS 2-E669-*M-RSM 30
Rubber	3/18 AWG, Yellow CPE SJOOW, 105°C 8.0 mm OD Yellow Body	0-220 24-48 110-220	VIY 2-A658-*M-RSM 30	- - - -	- - - -
			- - - -	VIY 2-B658-*M-RSM 30	VIY 2-D658-*M-RSM 30
			- - - -	VIY 2-C658-*M-RSM 30	VIY 2-E658-*M-RSM 30



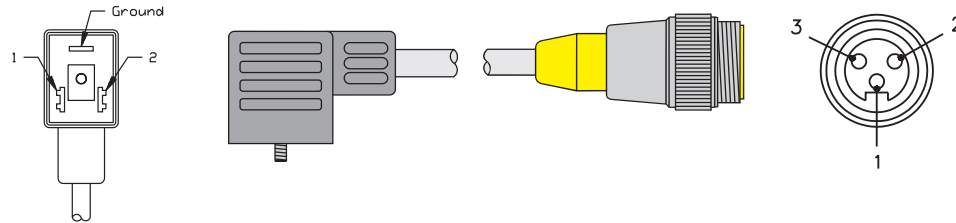
"I" Style Valve Connectors, microfast Extension

microfast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**
Standard duty PVC	3/18 AWG, Grey PVC 105°C 6.2 mm OD Black Body	0-220 24-48 110-220	VIS 2-A653-*M-SB 3T	- - - -	- - - -
			- - - -	VIS 2-B653-*M-SB 3T	VIS 2-D653-*M-SB 3T
			- - - -	VIS 2-C653-*M-SB 3T	VIS 2-E653-*M-SB 3T
Standard duty PUR	3/18 AWG, Grey PUR 80°C 6.2 mm OD Black Body	0-220 24-48 110-220	VIS 2-A669-*M-SB 3T	- - - -	- - - -
			- - - -	VIS 2-B669-*M-SB 3T	VIS 2-D669-*M-SB 3T
			- - - -	VIS 2-C669-*M-SB 3T	VIS 2-E669-*M-SB 3T
Rubber	3/18 AWG, Yellow CPE SJOOW, 105°C 8.0 mm OD Yellow Body	0-220 24-48 110-220	VIY 2-A658-*M-SBE 3T	- - - -	- - - -
			- - - -	VIY 2-B658-*M-SBE 3T	VIY 2-D658-*M-SBE 3T
			- - - -	VIY 2-C658-*M-SBE 3T	VIY 2-E658-*M-SBE 3T

* Length in meters

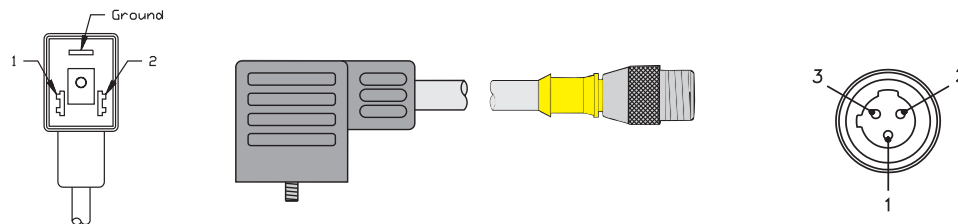
Type "I" (11 mm) Valve Connector to *minifast* Extension



Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)

Type "I" (11 mm) Valve Connector to *microfast* Extension



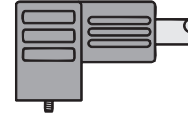
Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)

TURCK Valve Connector Products

Valve Connectors, Type "C" (8 mm)

Available with PVC and PUR
Jackets
18 and 24 AWG
2 Conductor + Ground



Type C

"C" (8.0 mm) Style Valve Connectors, Standard Color Code

Application	Cable Specs	Pinout	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and Suppressor Diodes
Standard duty PVC	3/18 AWG, Grey PVC 105°C 6.2 mm OD Black Body	1. BK 1 2. BK 2 Gnd - GN/YE	0-220	TC8S 2-A653-*M	- - - -	- - - -
			24	- - - -	TC8S 2-L653-*M	TC8S 2-P653-*M
			48	- - - -	TC8S 2-M653-*M	TC8S 2-R653-*M
			110	- - - -	TC8S 2-N653-*M	- - - -
Standard duty PUR	3/18 AWG, Grey PUR 80°C 6.2 mm OD Black Body	1. BK 1 2. BK 2 Gnd - GN/YE	0-220	TC8S 2-A669-*M	- - - -	- - - -
			24	- - - -	TC8S 2-L669-*M	TC8S 2-P669-*M
			48	- - - -	TC8S 2-M669-*M	TC8S 2-R669-*M
			110	- - - -	TC8S 2-N669-*M	- - - -

"C" (8.0 mm) Style Valve Connectors, IEC Color Code

Application	Cable Specs	Pinout	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and Suppressor Diodes
Small diameter PVC	3/24 AWG, Yellow PVC 105°C 4.4 mm OD Black Body	1. BN 2. BU Gnd - BK	0-220	TC8S 2-A642-*M	- - - -	- - - -
			24	- - - -	TC8S 2-L642-*M	TC8S 2-P642-*M
			48	- - - -	TC8S 2-M642-*M	TC8S 2-R642-*M
			110	- - - -	TC8S 2-N642-*M	- - - -
Small diameter PUR	3/24 AWG, Black PUR 80°C 4.2 mm OD Black Body	1. BN 2. BU Gnd - BK	0-220	TC8S 2-A587-*M	- - - -	- - - -
			24	- - - -	TC8S 2-L587-*M	TC8S 2-P587-*M
			48	- - - -	TC8S 2-M587-*M	TC8S 2-R587-*M
			110	- - - -	TC8S 2-N587-*M	- - - -

* Length in meters

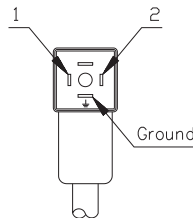
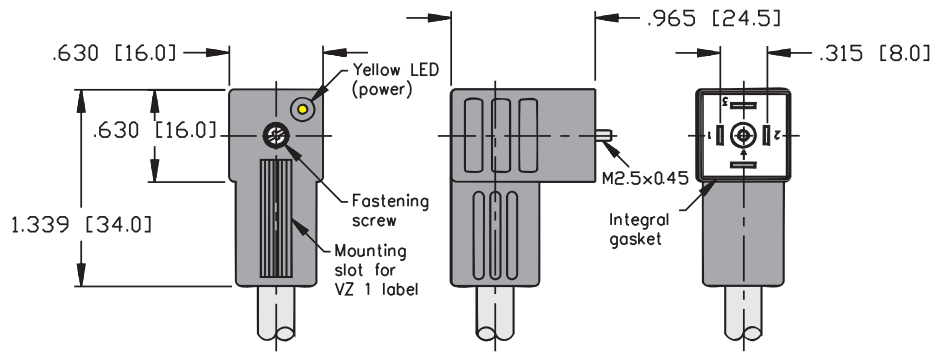
Specifications

- Connector:** Oil resistant polyurethane body material, Nylon contact carrier.
- Contacts:** Silver plated copper alloy.
- Cable:** See table.
- Cable length:** Standard cable lengths are nominal 5 meters. Other lengths available by request - consult factory.
- Protection Class:** NEMA 1,3,4,6P and IEC IP 67 when connected and secured.

Options: Grey connector body available (special order), change part number TC8S... To TC8G...
For other combinations or options, consult factory.

Dimensions

Type C (8 mm)



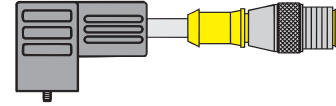
Wiring Diagrams

Straight Wired (A)	Indicator LED (L, M, N)	Indicator LED and Suppressor Diodes (P, R)
<p>1) _____</p> <p>2) _____</p> <p>GND) _____</p>		

TURCK Valve Connector Products

Valve Connectors, Type "C" (8 mm) Extensions

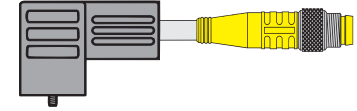
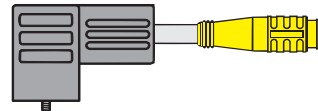
Available with PVC and PUR
Jackets
18 and 24 AWG
2 Conductor + Ground (eurofast)



"C" (8.0 mm) Style Valve Connectors, eurofast Extension

eurofast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and Suppressor Diodes
Standard duty PVC	3/18 AWG, Grey PVC 105°C 6.2 mm OD Black Body	0-220	TC8S 2-A653-*M-RS 5.3T	- - - -	- - - -
		24	- - - -	TC8S 2-L653-*M-RS 5.3T	TC8S 2-P653-*M-RS 5.3T
		48	- - - -	TC8S 2-M653-*M-RS 5.3T	TC8S 2-R653-*M-RS 5.3T
		110	- - - -	TC8S 2-N653-*M-RS 5.3T	- - - -
Standard duty PUR	3/18 AWG, Grey PUR 80°C 6.2 mm OD Black Body	0-220	TC8S 2-A669-*M-RS 5.3T	- - - -	- - - -
		24	- - - -	TC8S 2-L669-*M-RS 5.3T	TC8S 2-P669-*M-RS 5.3T
		48	- - - -	TC8S 2-M669-*M-RS 5.3T	TC8S 2-R669-*M-RS 5.3T
		110	- - - -	TC8S 2-N669-*M-RS 5.3T	- - - -



"C" (8.0 mm) Style Valve Connectors, picofast Extension

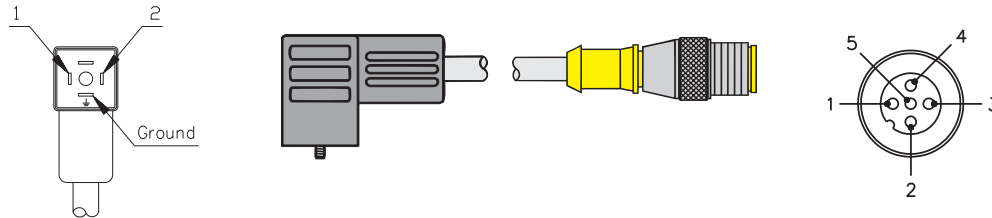
picofast Snap Extension

picofast Threaded Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and Suppressor Diodes
Small diameter, PVC Snap Lock	3/24 AWG Yellow PVC 105°C 4.4 mm OD	0-125	TC8S 2-A642-*M-PSG 3	- - - -	- - - -
		24	- - - -	TC8S 2-L642-*M-PSG 3	TC8S 2-P642-*M-PSG 3
		48	- - - -	TC8S 2-M642-*M-PSG 3	TC8S 2-R642-*M-PSG 3
Small diameter, PUR Snap Lock	3/24 AWG Black PUR 80°C 4.2 mm OD	0-125	TC8S 2-A587-*M-PSG 3	- - - -	- - - -
		24	- - - -	TC8S 2-L587-*M-PSG 3	TC8S 2-P587-*M-PSG 3
		48	- - - -	TC8S 2-M587-*M-PSG 3	TC8S 2-R587-*M-PSG 3
Small diameter, PVC Threaded	3/24 AWG Yellow PVC 105°C 4.4 mm OD	0-125	TC8S 2-A642-*M-PSG 3M	- - - -	- - - -
		24	- - - -	TC8S 2-L642-*M-PSG 3M	TC8S 2-P642-*M-PSG 3M
		48	- - - -	TC8S 2-M642-*M-PSG 3M	TC8S 2-R642-*M-PSG 3M
Small diameter, PUR Threaded	3/24 AWG Black PUR 80°C 4.2 mm OD	0-125	TC8S 2-A587-*M-PSG 3M	- - - -	- - - -
		24	- - - -	TC8S 2-L587-*M-PSG 3M	TC8S 2-P587-*M-PSG 3M
		48	- - - -	TC8S 2-M587-*M-PSG 3M	TC8S 2-R587-*M-PSG 3M

* Length in meters

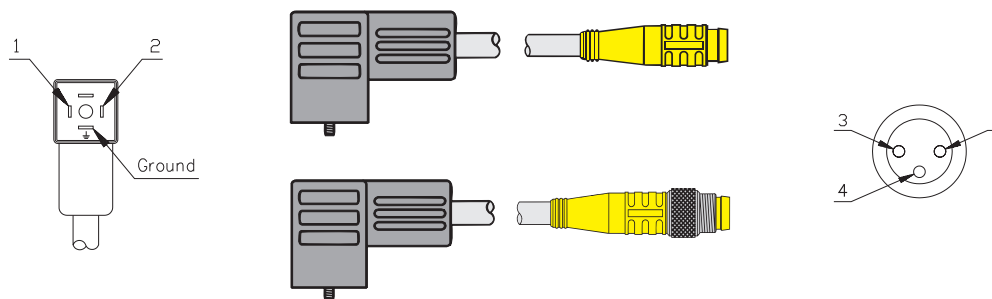
Type "C" (8 mm) Valve Connector to eurofast Extension



Wiring Diagrams

Straight Wired (A)	Indicator LED (L, M, N)	Indicator LED and Suppressor Diodes (P, R)
<p>1 → 4 2 → 3 GND → 5</p>		

Type "C" (8 mm) Valve Connector to picofast Extension



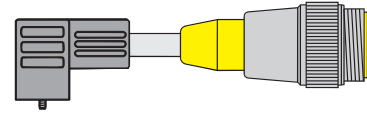
Wiring Diagrams

Straight Wired (A)	Indicator LED (L, M)	Indicator LED and Suppressor Diodes (P, R)
<p>1 → 4 2 → 3 GND → NC</p>		

TURCK Valve Connector Products

Valve Connectors, Type "C" (8 mm) Extensions

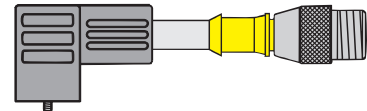
Available with PVC and PUR
Jackets
18 AWG
2 Conductor + Ground



minifast Extension

"C" (8.0 mm) Style Valve Connectors, minifast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and Suppressor Diodes
Standard duty PVC	3/18 AWG, Grey PVC 105°C 6.2 mm OD Black Body	0-220	TC8S 2-A653-*M-RSM 30	- - - -	- - - -
		24	- - - -	TC8S 2-L653-*M-RSM 30	TC8S 2-P653-*M-RSM 30
		48	- - - -	TC8S 2-M653-*M-RSM 30	TC8S 2-R653-*M-RSM 30
		110	- - - -	TC8S 2-N653-*M-RSM 30	- - - -
Standard duty PUR	3/18 AWG, Grey PUR 80°C 6.2 mm OD Black Body	0-220	TC8S 2-A669-*M-RSM 30	- - - -	- - - -
		24	- - - -	TC8S 2-L669-*M-RSM 30	TC8S 2-P669-*M-RSM 30
		48	- - - -	TC8S 2-M669-*M-RSM 30	TC8S 2-R669-*M-RSM 30
		110	- - - -	TC8S 2-N669-*M-RSM 30	- - - -



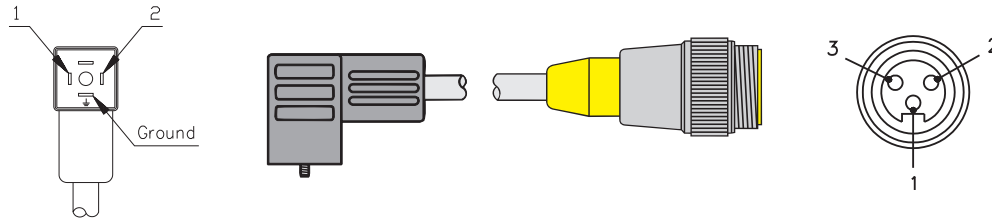
microfast Extension

"C" (8.0 mm) Style Valve Connectors, microfast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and Suppressor Diodes
Standard duty PVC	3/18 AWG, Grey PVC 105°C 6.2 mm OD Black Body	0-220	TC8S 2-A653-*M-SB 3T	- - - -	- - - -
		24	- - - -	TC8S 2-L653-*M-SB 3T	TC8S 2-P653-*M-SB 3T
		48	- - - -	TC8S 2-M653-*M-SB 3T	TC8S 2-R653-*M-SB 3T
		110	- - - -	TC8S 2-N653-*M-SB 3T	- - - -
Standard duty PUR	3/18 AWG, Grey PUR 80°C 6.2 mm OD Black Body	0-220	TC8S 2-A669-*M-SB 3T	- - - -	- - - -
		24	- - - -	TC8S 2-L669-*M-SB 3T	TC8S 2-P669-*M-SB 3T
		48	- - - -	TC8S 2-M669-*M-SB 3T	TC8S 2-R669-*M-SB 3T
		110	- - - -	TC8S 2-N669-*M-SB 3T	- - - -

* Length in meters

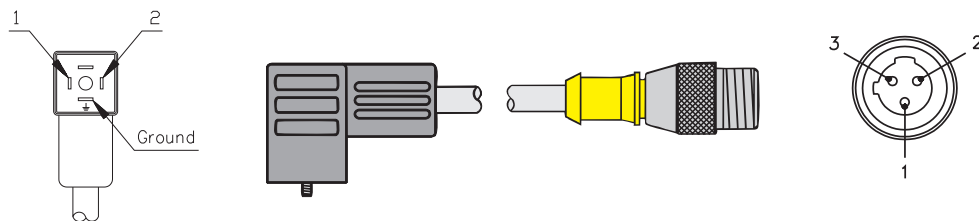
Type "C" (8 mm) Valve Connector to minifast Extension



Wiring Diagrams

Straight Wired (A)	Indicator LED (L, M)	Indicator LED and Suppressor Diodes (P, R)
<p>1 → 2 2 → 3 GND → 1</p>		

Type "C" (8 mm) Valve Connector microfast Extension



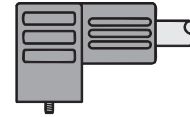
Wiring Diagrams

Straight Wired (A)	Indicator LED (L, M)	Indicator LED and Suppressor Diodes (P, R)
<p>1 → 2 2 → 3 GND → 1</p>		

TURCK Valve Connector Products

Valve Connectors, Type "C" (9.4 mm)

Available with PVC and PUR
Jackets
18 and 24 AWG
2 Conductor + Ground



Type C

"C" (9.4 mm) Style Valve Connectors, Standard Color Code

Application	Cable Specs	Pinout	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and Suppressor Diodes
Standard duty PVC	3/18 AWG, Grey PVC 105°C 6.2 mm OD Black Body	1. BK 1 2. BK 2 Gnd-GN/YE	0-220	TC9S 2-A653-*M	- - - -	- - - -
			24	- - - -	TC9S 2-L653-*M	TC9S 2-P653-*M
			48	- - - -	TC9S 2-M653-*M	TC9S 2-R653-*M
			110	- - - -	TC9S 2-N653-*M	- - - -
Standard duty PUR	3/18 AWG, Grey PUR 80°C 6.2 mm OD Black Body	1. BK 1 2. BK 2 Gnd-GN/YE	0-220	TC9S 2-A669-*M	- - - -	- - - -
			24	- - - -	TC9S 2-L669-*M	TC9S 2-P669-*M
			48	- - - -	TC9S 2-M669-*M	TC9S 2-R669-*M
			110	- - - -	TC9S 2-N669-*M	- - - -

"C" (9.4 mm) Style Valve Connectors, IEC Color Code

Application	Cable Specs	Pinout	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and Suppressor Diodes
Small diameter PVC	3/24 AWG, Yellow PVC 105°C 4.4 mm OD Black Body	1. BN 2. BU Gnd - BK	0-220	TC9S 2-A642-*M	- - - -	- - - -
			24	- - - -	TC9S 2-L642-*M	TC9S 2-P642-*M
			48	- - - -	TC9S 2-M642-*M	TC9S 2-R642-*M
			110	- - - -	TC9S 2-N642-*M	- - - -
Small diameter PUR	3/24 AWG, Black PUR 80°C 4.2 mm OD Black Body	1. BN 2. BU Gnd - BK	0-220	TC9S 2-A587-*M	- - - -	- - - -
			24	- - - -	TC9S 2-L587-*M	TC9S 2-P587-*M
			48	- - - -	TC9S 2-M587-*M	TC9S 2-R587-*M
			110	- - - -	TC9S 2-N587-*M	- - - -

* Length in meters

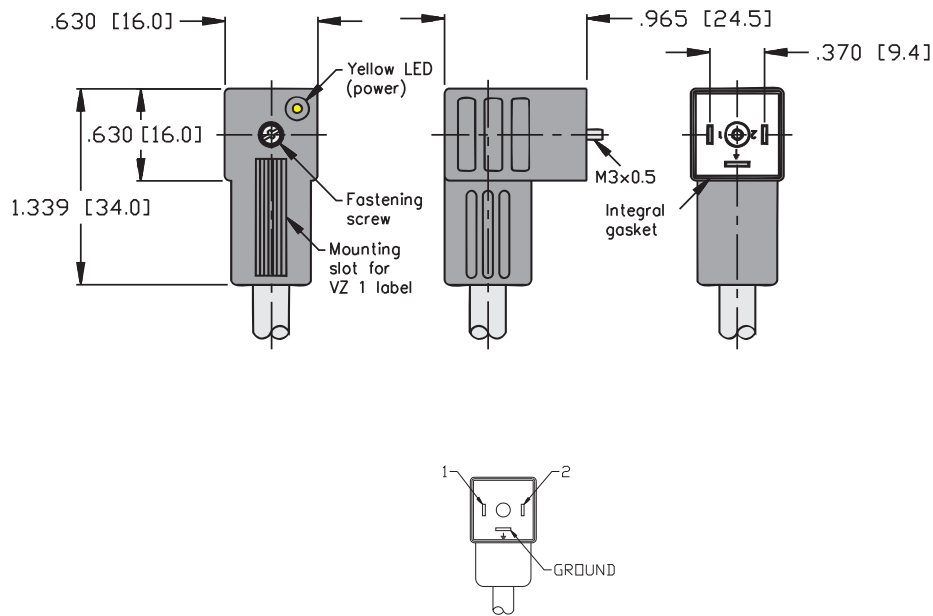
Specifications

- Connector:** Oil resistant polyurethane body material, Nylon contact carrier.
- Contacts:** Silver plated copper alloy.
- Cable:** See table.
- Cable length:** Standard cable lengths are nominal 5 meters. Other lengths available by request - consult factory.
- Protection Class:** NEMA 1,3,4,6P and IEC IP 67 when connected and secured.

Options: Grey connector body available (special order), change part number TC9S...to TC9G...
For other combinations or options, consult factory.

Dimensions

Type C (9.4 mm)



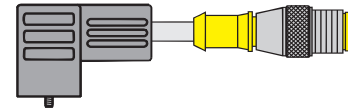
Wiring Diagrams

Straight Wired (A)	Indicator LED (L, M, N)	Indicator LED and Suppressor Diodes (P, R)
<p>1) _____</p> <p>2) _____</p> <p>GND) _____</p>		

TURCK Valve Connector Products

Valve Connectors, Type "C" (9.4 mm) Extensions

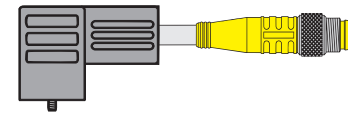
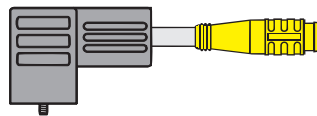
Available with PVC and PUR
Jackets
2 Conductor + Ground (eurofast)



eurofast Extension

"C" (9.4 mm) Style Valve Connectors, eurofast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and Suppressor Diodes
Standard duty PVC	3/18 AWG, Grey PVC 105°C 6.2 mm OD Black Body	0-220	TC9S 2-A653-*M-RS 5.3T	- - - -	- - - -
		24	- - - -	TC9S 2-L653-*M-RS 5.3T	TC9S 2-P653-*M-RS 5.3T
		48	- - - -	TC9S 2-M653-*M-RS 5.3T	TC9S 2-R653-*M-RS 5.3T
		110	- - - -	TC9S 2-N653-*M-RS 5.3T	- - - -
Standard duty PUR	3/18 AWG, Grey PUR 80°C 6.2 mm OD Black Body	0-220	TC9S 2-A669-*M-RS 5.3T	- - - -	- - - -
		24	- - - -	TC9S 2-L669-*M-RS 5.3T	TC9S 2-P669-*M-RS 5.3T
		48	- - - -	TC9S 2-M669-*M-RS 5.3T	TC9S 2-R669-*M-RS 5.3T
		110	- - - -	TC9S 2-N669-*M-RS 5.3T	- - - -



picofast Snap Extension

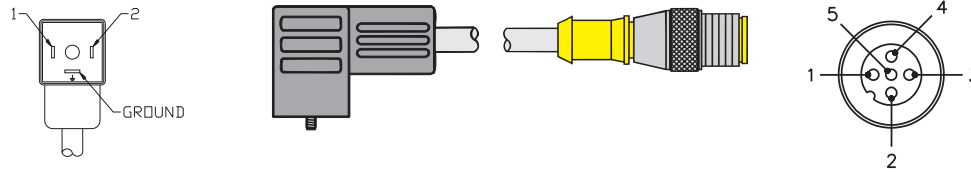
picofast Threaded Extension

"C" Style Valve Connectors, picofast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and Suppressor Diodes
Small diameter, PVC Snap lock	3/24 AWG Yellow PVC 105°C 4.4 mm OD	0-125	TC9S 2-A642-*M-PSG 3	- - - -	- - - -
		24	- - - -	TC9S 2-L642-*M-PSG 3	TC9S 2-P642-*M-PSG 3
		48	- - - -	TC9S 2-M642-*M-PSG 3	TC9S 2-R642-*M-PSG 3
Small diameter, PUR Snap lock	3/24 AWG Black PUR 80°C 4.2 mm OD	0-125	TC9S 2-A587-*M-PSG 3	- - - -	- - - -
		24	- - - -	TC9S 2-L587-*M-PSG 3	TC9S 2-P587-*M-PSG 3
		48	- - - -	TC9S 2-M587-*M-PSG 3	TC9S 2-R587-*M-PSG 3
Small diameter, PVC Threaded	3/24 AWG Yellow PVC 105°C 4.4 mm OD	0-125	TC9S 2-A642-*M-PSG 3M	- - - -	- - - -
		24	- - - -	TC9S 2-L642-*M-PSG 3M	TC9S 2-P642-*M-PSG 3M
		48	- - - -	TC9S 2-M642-*M-PSG 3M	TC9S 2-R642-*M-PSG 3M
Small diameter, PUR Threaded	3/24 AWG Black PUR 80°C 4.2 mm OD	0-125	TC9S 2-A587-*M-PSG 3M	- - - -	- - - -
		24	- - - -	TC9S 2-L587-*M-PSG 3M	TC9S 2-P587-*M-PSG 3M
		48	- - - -	TC9S 2-M587-*M-PSG 3M	TC9S 2-R587-*M-PSG 3M

* Length in meters

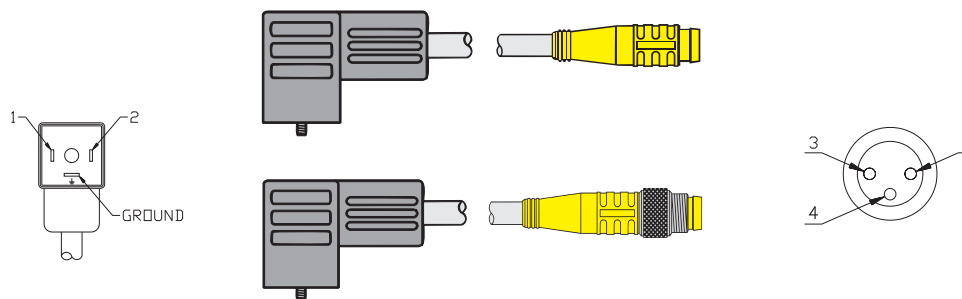
Type "C" (9.4 mm) Valve Connector to eurofast Extension



Wiring Diagrams

Straight Wired (A)	Indicator LED (L, M, N)	Indicator LED and Suppressor Diodes (P, R)

Type "C" (9.4 mm) Valve Connector to picofast Extension



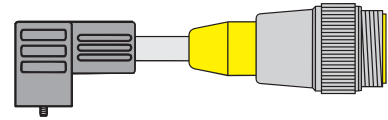
Wiring Diagrams

Straight Wired (A)	Indicator LED (L, M)	Indicator LED and Suppressor Diodes (P, R)

TURCK Valve Connector Products

Valve Connectors, Type "C" (9.4 mm) Extensions

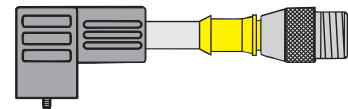
Available with PVC and PUR
Jackets
18 AWG
2 Conductor + Ground



minifast Extension

"C" (9.4 mm) Style Valve Connectors, minifast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and Suppressor Diodes
Standard duty PVC	3/18 AWG, Grey PVC 105°C 6.2 mm OD Black Body	0-220	TC9S 2-A653-*M-RSM 30	- - - -	- - - -
		24	- - - -	TC9S 2-L653-*M-RSM 30	TC9S 2-P653-*M-RSM 30
		48	- - - -	TC9S 2-M653-*M-RSM 30	TC9S 2-R653-*M-RSM 30
		110	- - - -	TC9S 2-N653-*M-RSM 30	- - - -
Standard duty PUR	3/18 AWG, Grey PUR 80°C 6.2 mm OD Black Body	0-220	TC9S 2-A669-*M-RSM 30	- - - -	- - - -
		24	- - - -	TC9S 2-L669-*M-RSM 30	TC9S 2-P669-*M-RSM 30
		48	- - - -	TC9S 2-M669-*M-RSM 30	TC9S 2-R669-*M-RSM 30
		110	- - - -	TC9S 2-N669-*M-RSM 30	- - - -



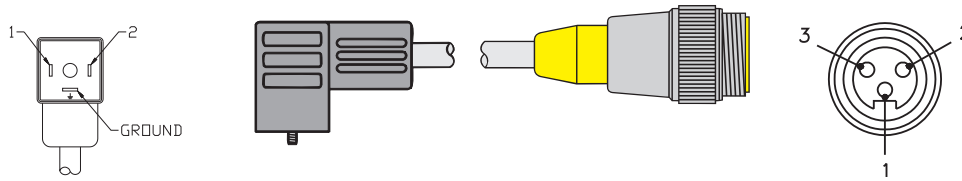
microfast Extension

"C" (9.4 mm) Style Valve Connectors, microfast Extension

Application	Cable Specs	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and Suppressor Diodes
Standard duty PVC	3/18 AWG, Grey PVC 105°C 6.2 mm OD Black Body	0-220	TC9S 2-A653-*M-SB 3T	- - - -	- - - -
		24	- - - -	TC9S 2-L653-*M-SB 3T	TC9S 2-P653-*M-SB 3T
		48	- - - -	TC9S 2-M653-*M-SB 3T	TC9S 2-R653-*M-SB 3T
		110	- - - -	TC9S 2-N653-*M-SB 3T	- - - -
Standard duty PUR	3/18 AWG, Grey PUR 80°C 6.2 mm OD Black Body	0-220	TC9S 2-A669-*M-SB 3T	- - - -	- - - -
		24	- - - -	TC9S 2-L669-*M-SB 3T	TC9S 2-P669-*M-SB 3T
		48	- - - -	TC9S 2-M669-*M-SB 3T	TC9S 2-R669-*M-SB 3T
		110	- - - -	TC9S 2-N669-*M-SB 3T	- - - -

* Length in meters

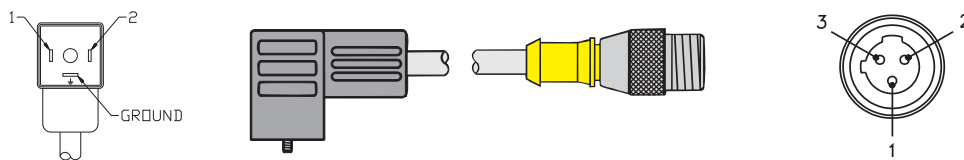
Type "C" (9.4 mm) Valve Connector to *minifast* Extension



Wiring Diagrams

Straight Wired (A)	Indicator LED (L, M, N)	Indicator LED and Suppressor Diodes (P, R)

Type "C" (9.4 mm) Valve Connector to *microfast* Extension



Wiring Diagrams

Straight Wired (A)	Indicator LED (L, M, N)	Indicator LED and Suppressor Diodes (P, R)

TURCK Valve Connector Products

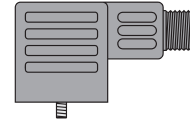
Valve Connectors w/Integral *euofast* or *picofast* Connector

Integral *euofast*® and *picofast*® Connectors
Compact Size
2 Conductors + Ground
(*euofast*)



NRTL/C

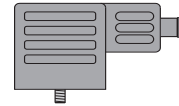
**All parts except "E".



euofast

"A" Style Valve Connectors, Integral *euofast* Connector

Application	Pinout	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV
"A" Style Connector with Integral <i>euofast</i> connector 2 Conductors, 1 Ground Ground contacts Parallel wired	<pre> 1 ┤───────────> 4 2 ┤───────────> 3 GND ┤───●───> 5 GND ┤───┘───┘ </pre>	0-220 24-48	VAS 22-A-FS 5.3 - - - -	- - - - - - - -	- - - - VAS 22-D-FS 5.3



picofast

"A", "B", and "I" Style Valve Connectors with Integral *picofast* Connector

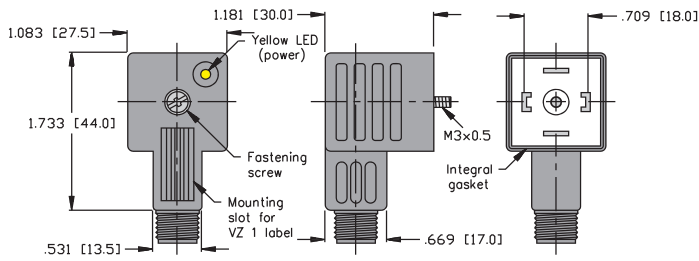
Application	Pinout	Voltage VAC/DC	Straight Wired	Indicator LED	Indicator LED and MOV**
"A" Style Connector with Integral <i>picofast</i> connector 2 Conductors	<pre> 1 ┤───────────> 4 2 ┤───────────> 3 GND ┤───●───> NC GND ┤───┘───┘ </pre>	0-60 24-48	VAS 22-A-V1131 - - - -	- - - - VAS 22-B-V1131	- - - - VAS 22-D-V1131
"B" Style Connector with Integral <i>picofast</i> connector 2 Conductors	<pre> 1 ┤───────────> 4 2 ┤───────────> 3 GND ┤──────────> NC </pre>	0-60 24-48	VBS 2-A-V1131 - - - -	- - - - VBS 2-B-V1131	- - - - VBS 2-D-V1131
"I" Style Connector with Integral <i>picofast</i> connector 2 Conductors	<pre> 1 ┤───────────> 4 2 ┤───────────> 3 GND ┤──────────> NC </pre>	0-60 24-48	VIS 2-A-V1131 - - - -	- - - - VIS 2-B-V1131	- - - - VIS 2-D-V1131

Specifications

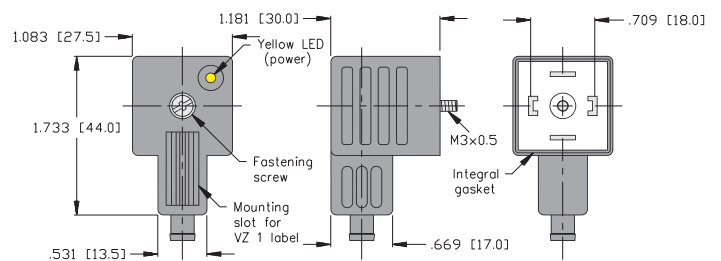
Specifications: Oil resistant polyurethane body material, Nylon valve plug contact carrier, Nylon *picofast* contact carrier, PUR *eurofast* contact carrier.
Contacts: Valve plug: silver plated copper alloy; *picofast* and *eurofast*: gold plated brass.
Temperature: -30°C to +80°C (-22°F to +176°F).
Protection Class: NEMA 1,3,4,6P and IEC IP 67 when connected and secured.

Dimensions

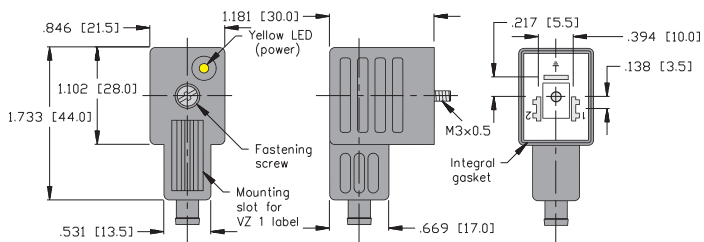
Type A with eurofast



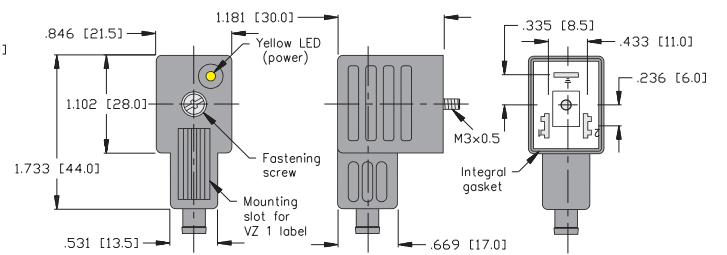
Type A with picofast



Type B with picofast



Type I with picofast



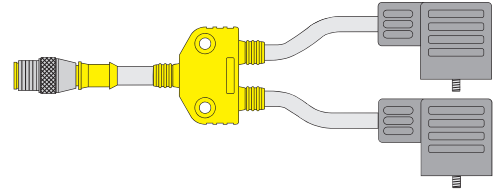
Wiring Diagrams

Straight Wired (A)	Indicator LED (B, C)	Indicator LED and MOV (D, E)

TURCK Valve Connector Products

euromast® 2 Branch Splitters with Valve Plugs

Combine 2 Valve Plugs into 1 euromast
For Use w/euromast J-boxes w/2 Signals/Port
Available with All Valve Plug Styles (A, B, I and C)

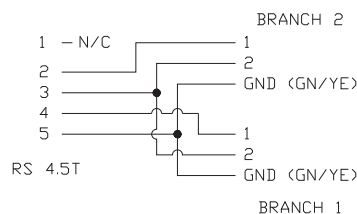


4-wire Series-Wired VB2

Application	Specifications	Wiring Diagram	Part Number
Combine 2 valve plugs into 1 cable. For use with 2 signal / port junction boxes. "A" style (18 mm) valve plugs.	220 VAC/DC 4.0 A RS 4.5T = Grey PVC, 5.2 mm OD, 5/22 AWG Valve plug = Grey PVC, 5.2 mm OD 3/20 AWG	Diagram A	VB2-RS 4.5T-*/2VAS 22-A528-*/*
Combine 2 valve plugs into 1 cable. For use with 2 signal / port junction boxes. "B" style (10 mm) valve plugs.	220 VAC/DC 4.0 A RS 4.5T = Grey PVC 5.2 mm OD, 5/22 AWG Valve plug = Grey PVC, 5.2 mm OD 3/20 AWG	Diagram A	VB2-RS 4.5T-*/2VBS 2-A528-*/*
Combine 2 valve plugs into 1 cable. For use with 2 signal / port junction boxes. "I" style (11 mm) valve plugs.	220 VAC/DC 4.0 A RS 4.5T = Grey PVC, 5.2 mm OD, 5/22 AWG Valve plug = Grey PVC, 5.2 mm OD 3/20 AWG	Diagram A	VB2-RS 4.5T-*/2VIS 2-A528-*/*
Combine 2 valve plugs into 1 cable. For use with 2 signal / port junction boxes. "C" style (8 mm) valve plugs.	220 VAC/DC 4.0 A RS 4.5T = Grey PVC, 5.2 mm OD, 5/22 AWG Valve plug = Grey PVC, 5.2 mm OD 3/20 AWG	Diagram A	VB2-RS 4.5T-*/2TC8S 2-A528-*/*
Combine 2 valve plugs into 1 cable. For use with 2 signal / port junction boxes. "C" style (9.4 mm) valve plugs.	220 VAC/DC 4.0 A RS 4.5T = Grey PVC, 5.2 mm OD, 5/22 AWG Valve plug = Grey PVC, 5.2 mm OD 3/20 AWG	Diagram A	VB2-RS 4.5T-*/2TC9S 2-A528-*/*

* Length in meters

Diagram A



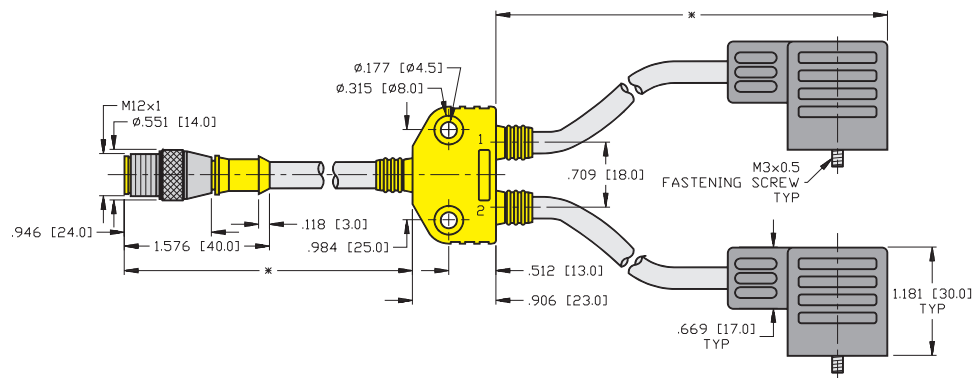
Specifications

- Junction Body:** Oil resistant Yellow polyurethane.
- Connector:** Oil resistant polyurethane body material, Nylon or PUR contact carrier.
- Contacts:** Gold plated brass (**euromast**). Silver plated copper alloy (**V*fast**).
- Coupling Nuts:** Nickel plated brass.
- Cable:** See table.
- Temperature:** -40°C to +105°C (-40°F to +221°F) - all PVC cable; -40°C to +80°C (-40°F to +176°F) - with PUR cable.
- Protection:** NEMA 1,3,4,6P and IEC IP 68.

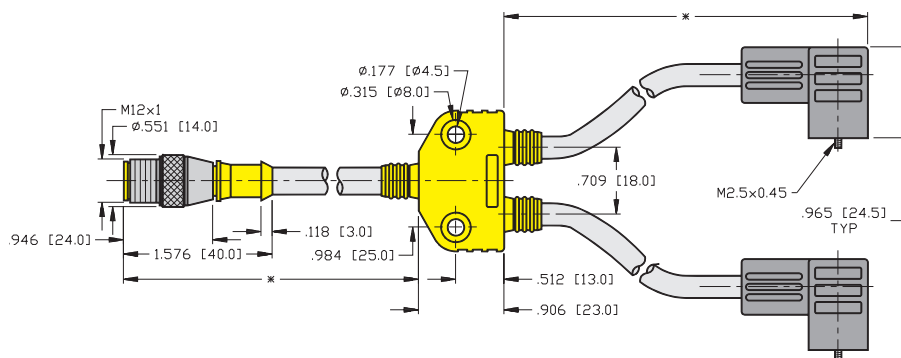
- Cable Length:** Trunk - nominal 1 meter. Branches - nominal 0.3 meters. Other lengths available by request - consult factory.
- Cable Options:** Other jackets available by request - consult factory.
- Valve Options:** Available w/led or led+mov, consult factory.
- euromast Options:** Stainless steel coupling nut add "V" to part number (RS .. to RSV ..).
Nylon coupling nut add "K" to part number (RS .. to RSK ..).
Right angle connectors, change part number (RS .. to WS..).

Dimensions

VB2-RS 4.5T-*/2V .. S 2 .. -A528-*/*



VB2-RS 4.5T-*/2TC .. S 2-A528-*/*



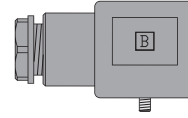
Pinouts

Female	Male
5-pin	5-pin

TURCK Valve Connector Products

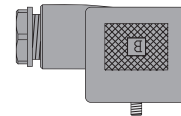
Valve Connectors, Field Wireable

Convert Hard Wiring Into Quick Disconnect
Facilitate Field Replacements



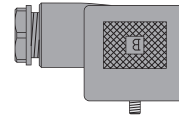
"A" Style Valve Connector

Application	Specifications	Straight Wired
"A" Style Valve Connector	0-220 VAC/DC, 10 A	VAS 3-AW



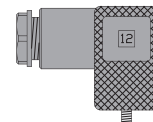
"B" Style Valve Connector

Application	Specifications	Straight Wired
"B" Style Valve Connector	0-220 VAC/DC, 10 A	VBS 2-AW



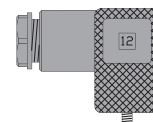
"I" Style Valve Connector

Application	Specifications	Straight Wired
"I" Style Valve Connector	0-220 VAC/DC, 10 A	VIS 2-AW



"C" (8 mm) Style Valve Connector

Application	Specifications	Straight Wired
"C" (8 mm) Style Valve Connector	0-220 VAC/DC, 10 A	TC8S 2-AW



"C" (9.4 mm) Style Valve Connector

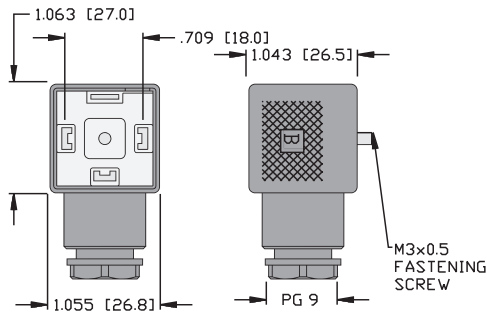
Application	Specifications	Straight Wired
"C" (9.4 mm) Style Valve Connector	0-220 VAC/DC, 10 A	TC9S 2-AW

Specifications

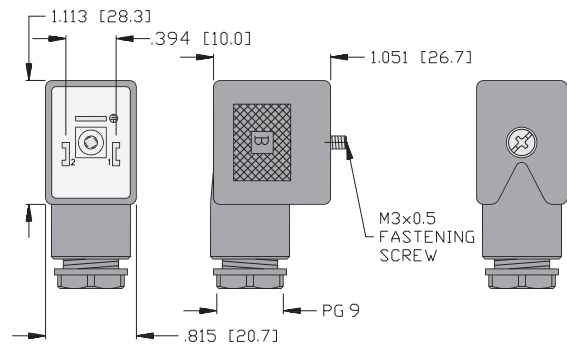
Housing:	Nylon, black.
Connector:	Nylon, black.
Gasket:	Nitrile.
Contacts:	Nickel plated brass.
Terminals:	Screw terminals, conductors to 14 AWG.
Cable Gland:	PG 9 accepts cable diameter 6-8 mm. PG 7 accepts cable diameter 4-6 mm.
Temperature:	-25°C to +90°C (-13°F to +194°F).
Protection Class:	NEMA 4,6P and IEC IP 65.

Dimensions

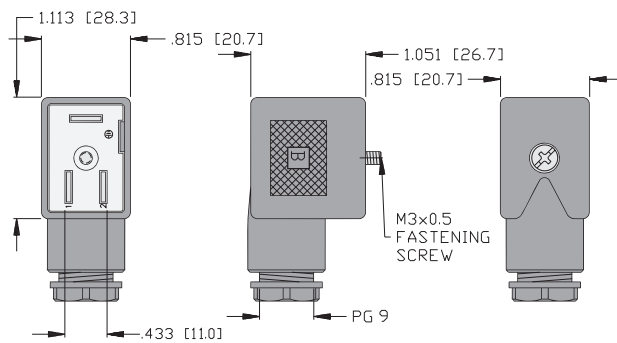
VAS 3-AW



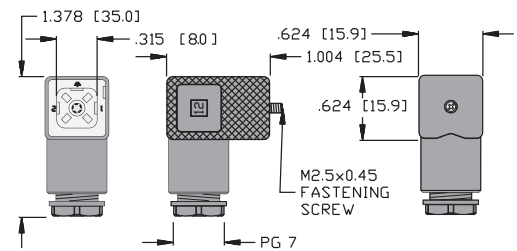
VBS 2-AW



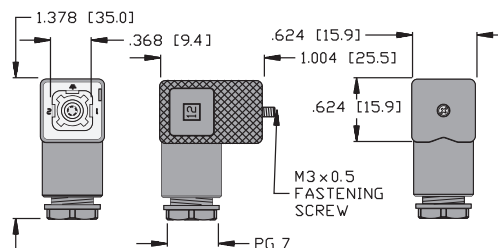
VIS 2-AW



TC8S 2-AW



TC9S 2-AW

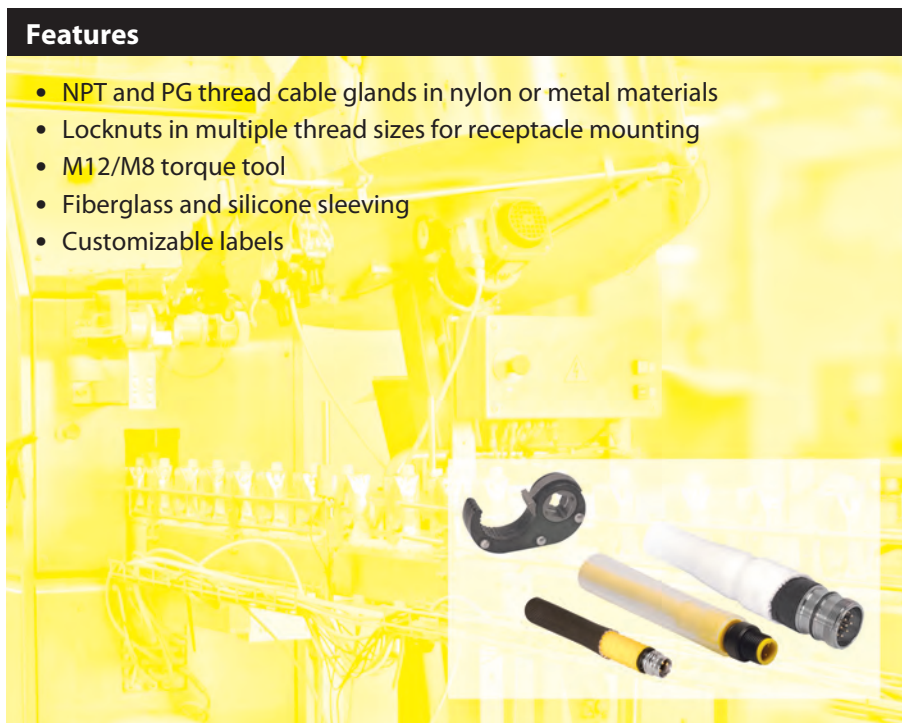


Notes:

Cable Glands	U2
Strain Relief	U5
Snap-In Labels	U5
Lock Nuts	U6
Torque Wrench	U7
Protective Sleeves	U8

Features

- NPT and PG thread cable glands in nylon or metal materials
- Locknuts in multiple thread sizes for receptacle mounting
- M12/M8 torque tool
- Fiberglass and silicone sleeving
- Customizable labels



Liquid Tight Nylon Strain Relief Cable Glands †

Applications

Whenever a metal strain relief cable gland is used, this Nylon Strain Relief Cable Gland can be substituted to save you money without sacrificing performance. Typical applications are: Control cabinets, car washes, hot tubs, instrumentation, carpet cleaning machines, food processing equipment, underground for direct burial, underwater to 300 ft. (150 PSIG)



Pull-out Resistance - Protection

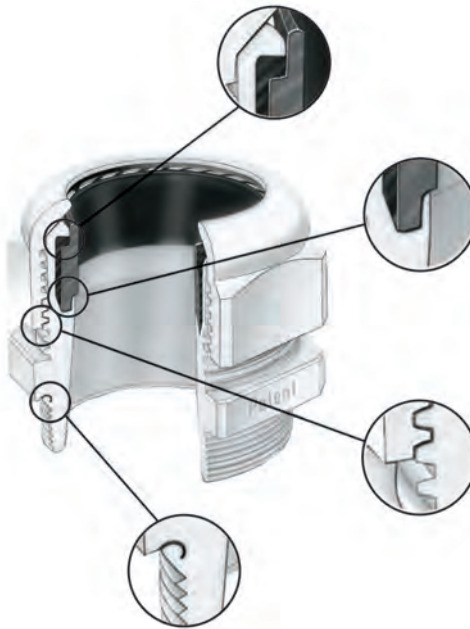
Flexible, overlapping clamping splines prevent the form seal from being pulled out of the fitting and offers protection for the cable.

Dependable

Exceeds NEMA 4x and 6 specifications (UL tested). For submersion applications, use an O-Ring or Seal Ring between body and housing. Either tap the housing or secure in panel hole with Locking Nut.

Non-Corrosive

The Nylon strain relief cable glands are resistant to salt water, weak acids, weak alkalis, alcohol, esters, ketones, ether, gasoline, mineral, animal and vegetable oil.



Submersible

The patented recess and high performance seal guarantees NEMA 4x and 6 (IP 68) at 150 PSIG (10 BAR).

Rugged Construction

The rugged lead screw results in a dependable transmission of force between nut and body.

Liquid Tight

The concentric seal ridge and molded groove for an optional O-Ring results in a liquid tight seal between body and housing.

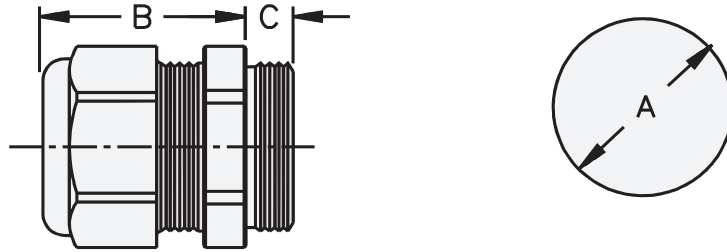


EMI/RFI Proof-Grounded

- Termination of the braided shield
- + Strip cable jacket and braiding to different lengths.
- + For small diameter cables fold the braided shield back over the cable jacket.
- + Insert cable into fitting until it reaches contact point.
- + Tighten dome nut.

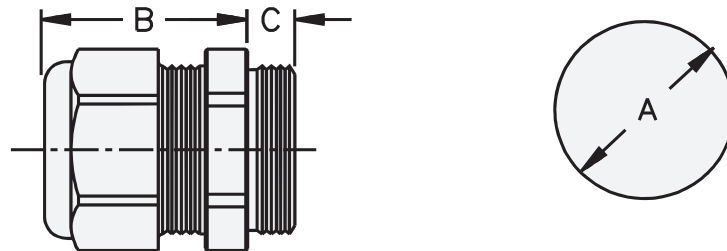
† Available in nylon (straight and right angle) and metal (standard and shielded). See pages R3 - R6.

PG/NPT Threads - Nylon/Straight



Part Number	Cable Range	Thread Type	Clearance Hole (A)	Body Length (B)	Thread Length (C)
CG-PG7STRT-NYLON 3-6.5MM	3 to 6.5 mm	PG7	12.5 mm	20 mm	8 mm
CG-PG9STRT-NYLON 4-8MM	4 to 8 mm	PG9	15.2 mm	22 mm	8 mm
CG-PG11STRT-NYLON 5-10MM	5 to 10 mm	PG11	18.5 mm	24 mm	8 mm
CG-3/8STRT-NYLON 2-6MM	2 to 6 mm	3/8" NPT	17.2 mm	22 mm	15 mm
CG-1/2STRT-NYLON 5-9MM	5 to 9 mm	1/2" NPT	21.1 mm	27 mm	13 mm
CG-1/2STRT-NYLON 10-14MM	10 to 14 mm	1/2" NPT	21.1 mm	28 mm	13 mm
CG-3/4STRT-NYLON 9-16MM	9 to 16 mm	3/4" NPT	26.7 mm	30 mm	13 mm

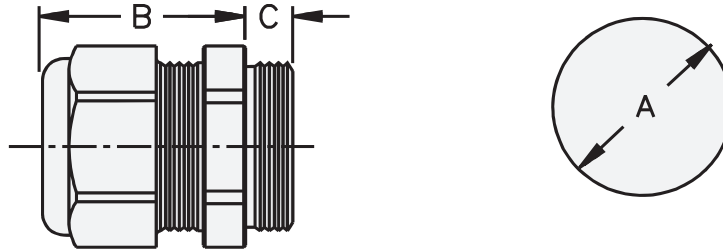
PG/NPT Threads - Metal/Straight



Part Number	Cable Range	Thread Type	Clearance Hole (A)	Body Length (B)	Thread Length (C)
CG-PG7STRT-METAL 3-6.5MM	3 to 6.5 mm	PG7	12.5 mm	19 mm	5 mm
CG-PG9STRT-METAL 4-8MM	4 to 8 mm	PG9	15.2 mm	21 mm	6 mm
CG-PG11STRT-METAL 5-10MM	5 to 10 mm	PG11	18.5 mm	22 mm	6 mm
CG-3/8STRT-METAL 4-8MM	4 to 8 mm	3/8" NPT	17.2 mm	21 mm	15 mm
CG-1/2STRT-METAL 6-12MM	6 to 12 mm	1/2" NPT	21.1 mm	24 mm	13 mm
CG-3/4STRT-METAL 13-18MM	13 to 18 mm	3/4" NPT	26.7 mm	25 mm	13 mm

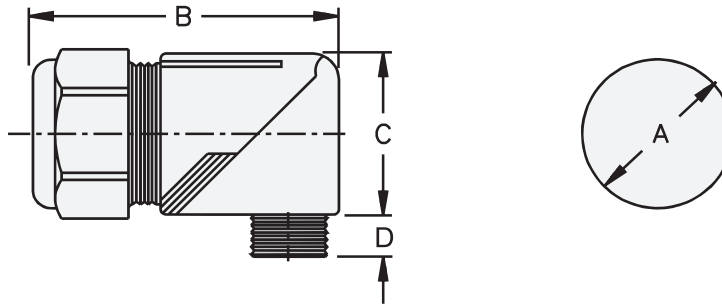
TURCK Connectivity Products

SHIELDED - PG/NPT Threads - Metal/Straight





Part Number	Cable Range	Thread Type	Clearance Hole (A)	Body Length (B)	Thread Length (C)
CG-3/8STRT-SHLDMTL 4-8MM	4 to 8 mm	3/8" NPT	17.2 mm	20 mm	15 mm
CG-1/2STRT-SHLDMTL 6-12MM	6 to 12 mm	1/2" NPT	21.1 mm	22 mm	13 mm
CG-3/4STRT-SHLDMTL 9-16MM	9 to 16 mm	3/4" NPT	26.7 mm	29 mm	13 mm

PG/NPT Threads - Nylon/Right Angle

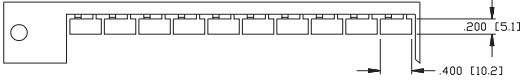
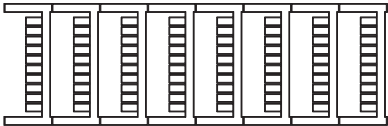
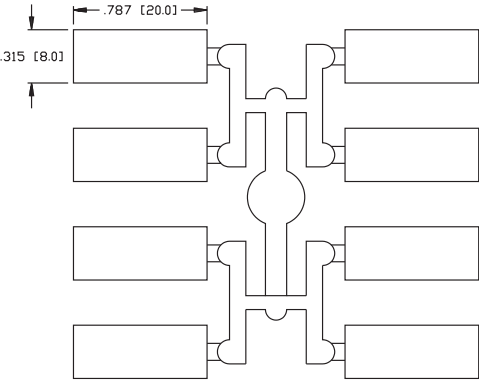
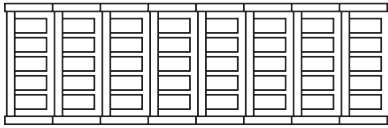


Part Number	Cable Range	Thread Type	Clearance Hole (A)	Body Length (B)	Height (C)	Thread Length (D)
CG-PG9ANGLE-NYLON 4-8MM	4 to 8 mm	PG 9	15.2 mm	45 mm	23 mm	8 mm
CG-PG11ANGLE -NYLON 5-10MM	5 to 10 mm	PG 11	18.5 mm	50 mm	27 mm	8 mm
CG-3/8ANGLE-NYLON 4-8MM	4 to 8 mm	3/8" NPT	17.2 mm	45 mm	23 mm	15 mm
CG-1/2ANGLE-NYLON 5-9MM	5 to 9 mm	1/2" NPT	21.1 mm	57 mm	30.5 mm	13 mm
CG-1/2ANGLE-NYLON 10-14MM	10 to 14 mm	1/2" NPT	21.1 mm	65 mm	32.5 mm	13 mm
CG-3/4ANGLE-NYLON 9-16MM	9 to 16 mm	3/4" NPT	26.7 mm	73 mm	40 mm	13 mm

Strain Relief Cord Grips

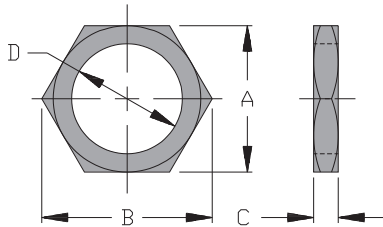
Part Number	Specifications	Application	Drawing
SRF-PG11	Nylon PG 11 threads Accepts cable diameter .200-.394" IP 68 -30 C to +100 C	Strain relief cord grip	
SRF-PG13.5	Nylon PG 13.5 threads Accepts cable diameter .236-.472" IP 68 -30 C to +100 C	Strain relief cord grip	

Snap-in Labels





Part Number	Specifications	Application	Drawing
KS 5/10 (10/Labels)	10 white labels 5x10 mm each	Snap-in labels for VBRS and VBRK splitters and euromast ® to picofast ® adapters and junction boxes	
Custom printed labels (Consult factory for part number)	1 sheet minimum 80 white labels, 5x10 mm each		
VZ 1 (8/labels)	8 white labels 8x20 mm each Nylon	Snap-in labels for euromast ® and microfast ® junction boxes, V*fast ®	
Custom printed labels (Consult factory for part number)	1 sheet minimum 40 white labels, 8x20 mm each		

Lock Nuts

Part Number	Specifications	Application	A	B	C	D
LOCKNUT-PG 9 Metal (5/Bag)	Nickel plated brass PG 9 threads 5 per bag	Lock nut <i>eurofast</i> receptacles	0.71" 18.0 mm	0.79" 20.0 mm	0.11" 2.8 mm	PG 9
LOCKNUT-PG 13.5 Metal (5/Bag)	Nickel plated brass PG 13.5 threads 5 per bag	Lock nut <i>eurofast</i> receptacles	0.90" 23.0 mm	1.00" 25.5 mm	0.12" 3.0 mm	PG 13.5
LOCKNUT 1/4-18 (10/Bag)	Nickel plated brass 1/4-18 threads 10 per bag	Lock nut <i>eurofast</i> and <i>microfast</i> receptacles	0.69" 17.5 mm	0.79" 20.0 mm	0.16" 4.0 mm	1/4-18
LOCKNUT 1/2-14 Hex (10/Bag)	Die-cast Zinc 1/2-14 threads 10 per bag	Lock nut <i>minifast</i> , <i>eurofast</i> and <i>microfast</i> receptacles	0.94" 24.0 mm	1.1" 27.5 mm	0.16" 4.0 mm	1/2-14



Torque Wrench

Picture	Part Number	Specifications
<p style="text-align: center;">Base</p>  <p style="text-align: center;">Torque Adjuster</p>  <p style="text-align: center;">M8 Insert</p>  <p style="text-align: center;">M12 Insert</p> 	<p>SCREWTY M8/M12 TORQUE WRENCH</p>	<p>For tightening and loosening of <i>eurofast</i>[®] and <i>picofast</i>[®] connectors</p> <p>M8 Torque: Recommended: 0.5-0.6 Nm Max: 1 Nm</p> <p>M12 Torque: Recommended: 0.8-1.0 Nm Max: 3 Nm</p>



Braided Fiberglass Sleeving Viton Coated (Bulk)



Part Number	Specifications	Application	Features
FFV 1/4INCH BLACK 50 FOOT ROLL [†] FFV 1/4INCH BLACK (10/BAG-6IN) [†]	Viton (fluoroelastomer) coated, braided fiberglass, black 1/4" diameter -70 to +220°C NEMA TF-1	Protective sleeving for insulation of cable.	<i>Excellent chemical and solvent resistance, coating offers improved flexibility and protection throughout a wide operating temperature range.</i>
FFV 3/8INCH BLACK 50 FOOT ROLL [†] FFV 3/8INCH BLACK (10/BAG-6IN) [†]	Viton (fluoroelastomer) coated, braided fiberglass, black 3/8" diameter -70 to +220°C NEMA TF-1		
FFV 1/2INCH BLACK 50 FOOT ROLL [†] FFV 1/2INCH BLACK (10/BAG-6IN) [†]	Viton (fluoroelastomer) coated, braided fiberglass, black 1/2" diameter -70 to +220°C NEMA TF-1		
FFV 5/8INCH BLACK 50 FOOT ROLL [†] FFV 5/8INCH BLACK (10/BAG-6IN) [†]	Viton (fluoroelastomer) coated, braided fiberglass, black 5/8" diameter -70 to +220°C NEMA TF-1		
FFV 1INCH BLACK 50 FOOT ROLL [†] FFV 1INCH BLACK (10/BAG-6IN) [†]	Viton (fluoroelastomer) coated, braided fiberglass, black 1" diameter -70 to +220°C NEMA TF-1		
FFV 1 1/2INCH BLACK 50 FOOT ROLL [†] FFV 1 1/2INCH BLACK (10/BAG-6IN) [†]	Viton (fluoroelastomer) coated, braided fiberglass, black 1 1/2" diameter -70 to +220°C NEMA TF-1		

Braided Fiberglass Sleeving Acryl Coated (Bulk)

Part Number	Specifications	Application	Features
FF 3/4INCH BLACK (10/BAG) [†] FF 3/4INCH BLACK 50 FOOT ROLL [†]	Acryl-coated braided fiberglass 3/4" diameter -70 to +240°C NEMA TF-1	Protective sleeving for insulation of cable.	<i>Excellent chemical and solvent resistance.</i>
FF 1/2INCH BLACK (10/BAG) [†] FF 1/2INCH BLACK 50 FOOT ROLL [†]	Acryl-coated braided fiberglass 1/2" diameter -70 to +240°C NEMA TF-1		

MSDS sent upon request.

[†] Sleeving part numbers only; cordset not included.

Expandable Silicone Rubber Coated, Fiberglass Slewing (Bulk)



Part Number	Specifications	Application	Features
FFFS WHT ID 3/8-INCH-30M [†] FFFS WHT ID 3/8-INCH (10/BAG-6IN) [†]	Fiberglass braid, silicone rubber coating, white 3/8" diameter, -55 to +200°C NEMA TF-1	Expandable silicone coated fiberglass sleeving for protection of cable and coupling nut.	"Heat shrink" like fit with abrasion, moisture, cut-through chemical and weld slag resistance.
FFFS WHT ID 5/8-INCH-30M [†] FFFS WHT ID 5/8-INCH (10/BAG-6IN) [†]	Fiberglass braid, silicone rubber coating, white 5/8" diameter, -55 to +200°C NEMA TF-1		
FFFS BLK ID 3/4-INCH-30M [†] FFFS BLK ID 3/4-INCH (10/BAG-6IN) [†]	Fiberglass braid, silicone rubber coating, black 3/4" diameter, -55 to +200°C NEMA TF-1		
FFFS BLK ID 1-INCH-30M [†] FFFS BLK ID 1-INCH (10/BAG-6IN) [†]	Fiberglass braid, silicone rubber coating, black 1" diameter, -55 to +200°C NEMA TF-1		

[†] Sleeving part numbers only; cordset not included.

Silicone Tubing (*Bulk)



Part Number	Specifications	Application	Features
ST ID 1/4-INCH-30M [†] ST ID 1/4-INCH (10/BAG-6IN) [†]	Silicone rubber tubing, translucent 1/4" diameter UL	Protective tubing for insulation of cable.	Excellent weld slag resistance.
ST ID 3/8-INCH-30M [†] ST ID 3/8-INCH (10/BAG-6IN) [†]	Silicone rubber tubing, translucent 3/8" diameter UL		
ST ID 1/2-INCH-30M [†] ST ID 1/2-INCH (10/BAG-6IN) [†]	Silicone rubber tubing, translucent 1/2" diameter UL		
ST ID 3/4-INCH-30M [†] ST ID 3/4-INCH (10/BAG-6IN) [†]	Silicone rubber tubing, translucent 3/4" diameter UL		

Add "/S1077" to end of part number to get silicone tubing assembled to pigtail or extension cordsets up to 4 meters (**picofast**[®], **euofast**[®], **microfast**[®] and **minifast**[®]; 0.5 meter min. on extensions).

[†] Sleeving part numbers only; cordset not included.

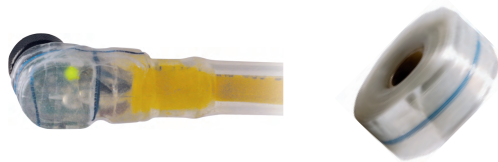
Weld Shield Sleeve - Hook and Loop Closure



Part Number	Specifications	Application	Features
FFW 1INC 2FOOT	Plain weave fiberglass, neoprene coated, black 1" Bundle OD, 3.25" circumference 4" Sleeve Width Flat, Tested to ISO 6945 -40°C to +204°C Temperature Resistance	Applicable sleeve for protection of cable.	Sleeve offers excellent resistance to abrasion, water, most chemicals, heat, sparks, and flame in a wide operating temperature range, while being lightweight, tough and highly flexible.
FFW 2INC 2FOOT	Plain weave fiberglass, neoprene coated, black 2" Bundle OD, 6" circumference 7.75" Sleeve Width Flat, Tested to ISO 6945 -40°C to +204°C Temperature Resistance		
FFW 3INC 2FOOT*	Plain weave fiberglass, neoprene coated, black 3" Bundle OD, 9.4" circumference 11" Sleeve Width Flat, Tested to ISO 6945 -40°C to +204°C Temperature Resistance		
FFW 4INC 2FOOT*	Plain weave fiberglass, neoprene coated, black 4" Bundle OD, 12.5" circumference 14" Sleeve Width Flat, Tested to ISO 6945 -40°C to +204°C Temperature Resistance		
FFW 5INC 2FOOT	Plain weave fiberglass, neoprene coated, black 5" Bundle OD, 15.75" circumference 17.25" Sleeve Width Flat, Tested to ISO 6945 -40°C to +204°C Temperature Resistance		
FFW 6INC 2FOOT	Plain weave fiberglass, neoprene coated, black 6" Bundle OD, 18.8" circumference 20.375" Sleeve Width Flat, Tested to ISO 6945 -40°C to +204°C Temperature Resistance		
FFW 7INC 2FOOT	Plain weave fiberglass, neoprene coated, black 7" Bundle OD, 22" circumference 23.5" Sleeve Width Flat, Tested to ISO 6945 -40°C to +204°C Temperature Resistance		
FFW 8INC 2FOOT	Plain weave fiberglass, neoprene coated, black 8" Bundle OD, 25.125" circumference 26.625" Sleeve Width Flat, Tested to ISO 6945 -40°C to +204°C Temperature Resistance		

* 25 foot spool also available.

Weld Seal Tape



Part Number	Specifications	Application	Features
FST 1IN 12YARDS	Silicone rubber, Clear 1" width, 12 yard length, -40°C to +204°C	Applicable clear tape protecting open areas between silicone tubing and mold.	Tape offers excellent resistance to water, most chemicals, heat, sparks, and flame in a wide operating temperature range, while being lightweight, and highly flexible.

Part Number Keys	V2
2-Branch Compact	V6
2-Branch Standard	V10
M12 to M8 2-Branch	V20
M12 to Valve Plug 2-Branch	V22
4-Branch Standard	V24
2-Branch M8 Compact	V36
4-Branch M8	V44
M12 to M8 Adapters	V48
M12 2-Branch Molded Splitters	V50

Features

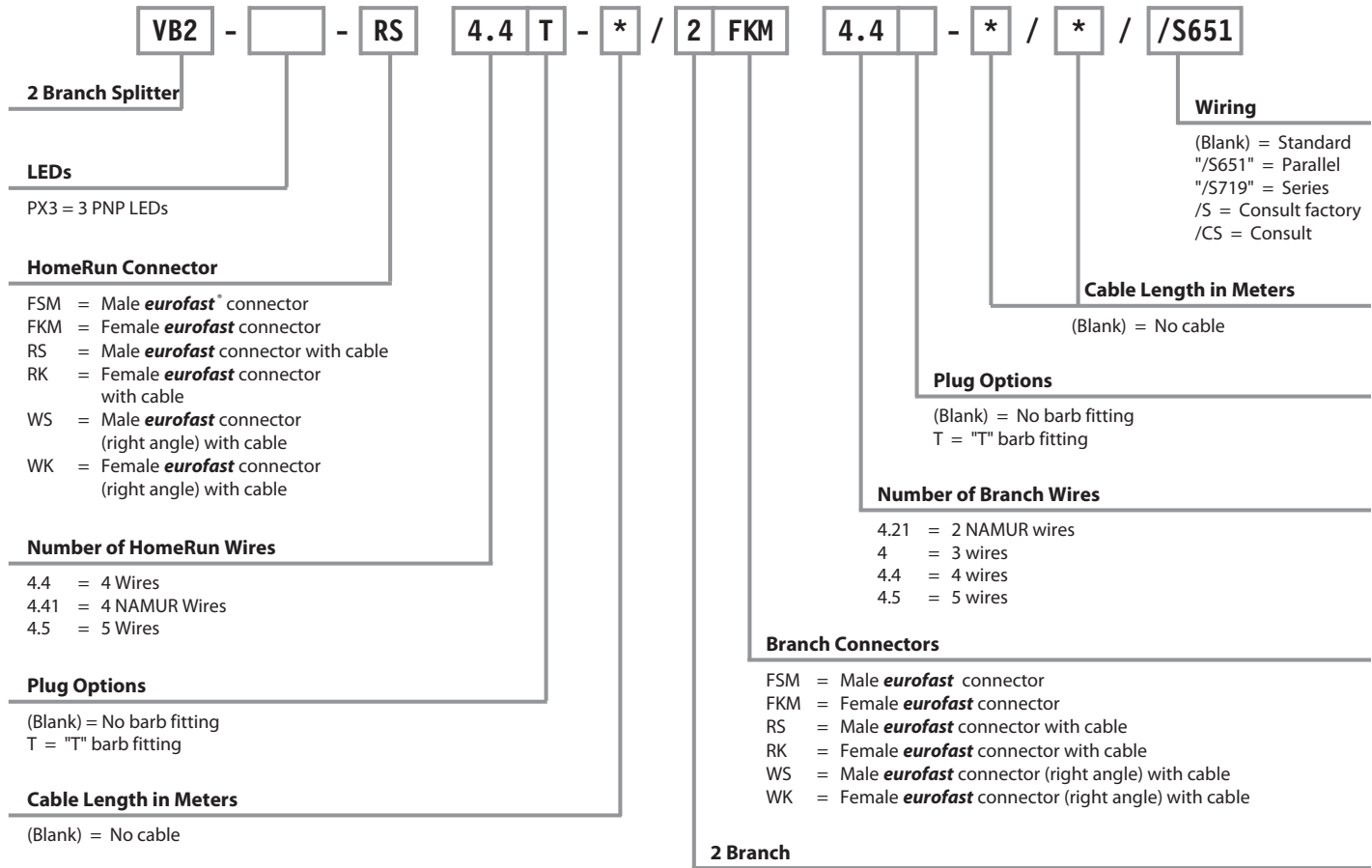
- Multiple body styles
- M12 and M8 connectors
- 2 and 4 branch products
- LED options
- Integral connectors or cables
- Standard, parallel and series wired



TURCK Splitters

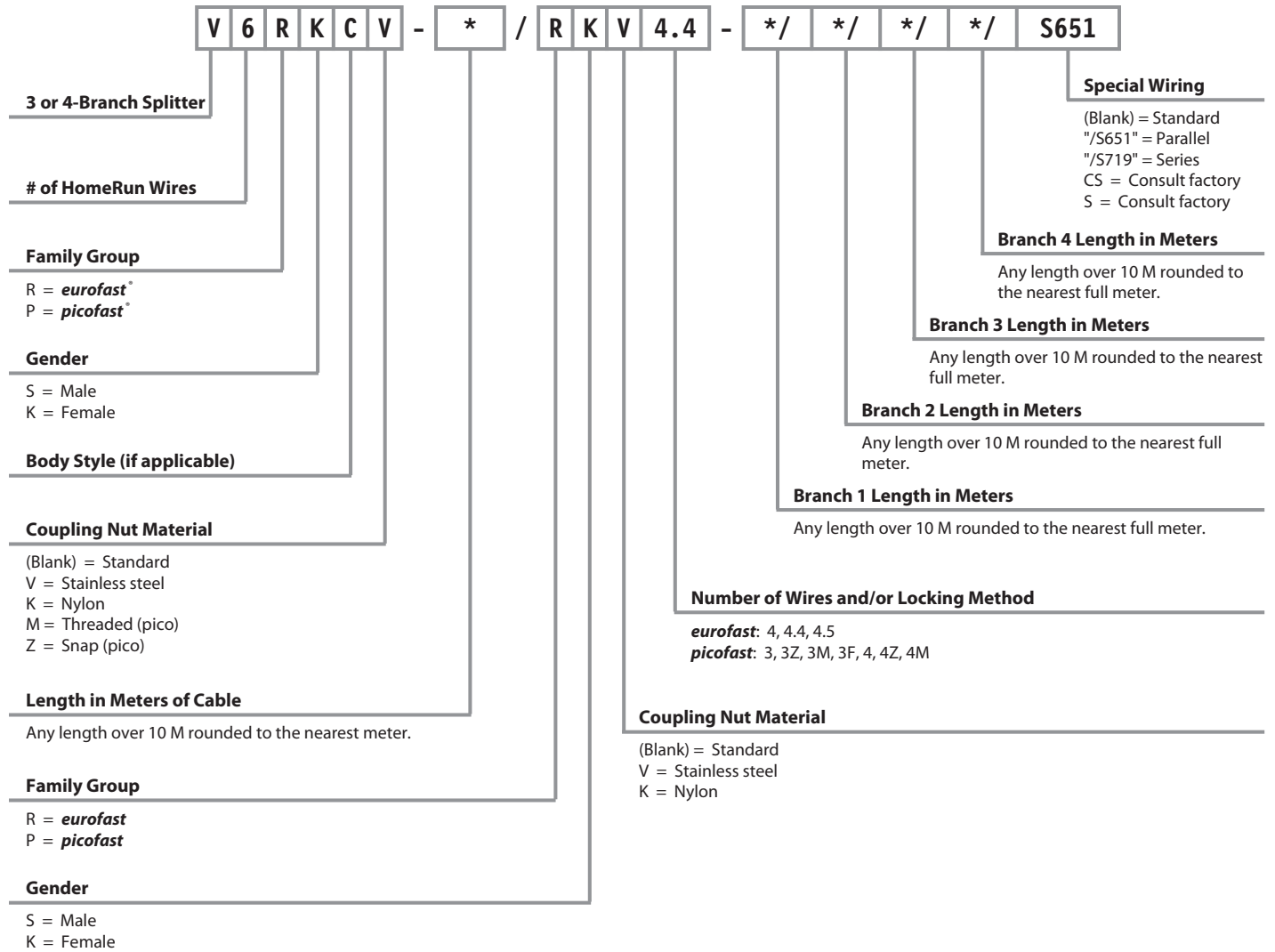
2-Branch Splitter Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult Factory for catalog items not identified.



3 and 4 Branch Splitter Part Number Key

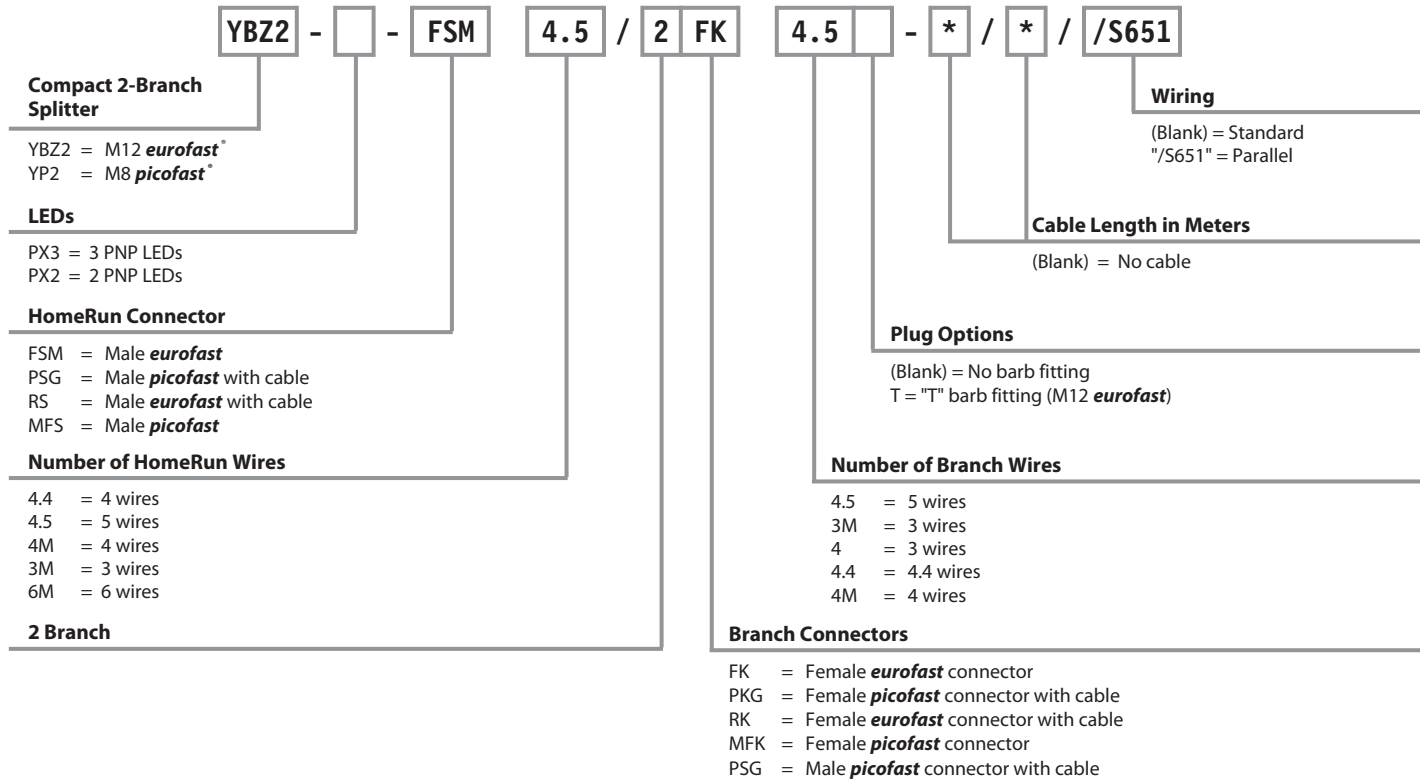
Part Number Keys are to assist in IDENTIFICATION ONLY. Consult Factory for catalog items not identified.



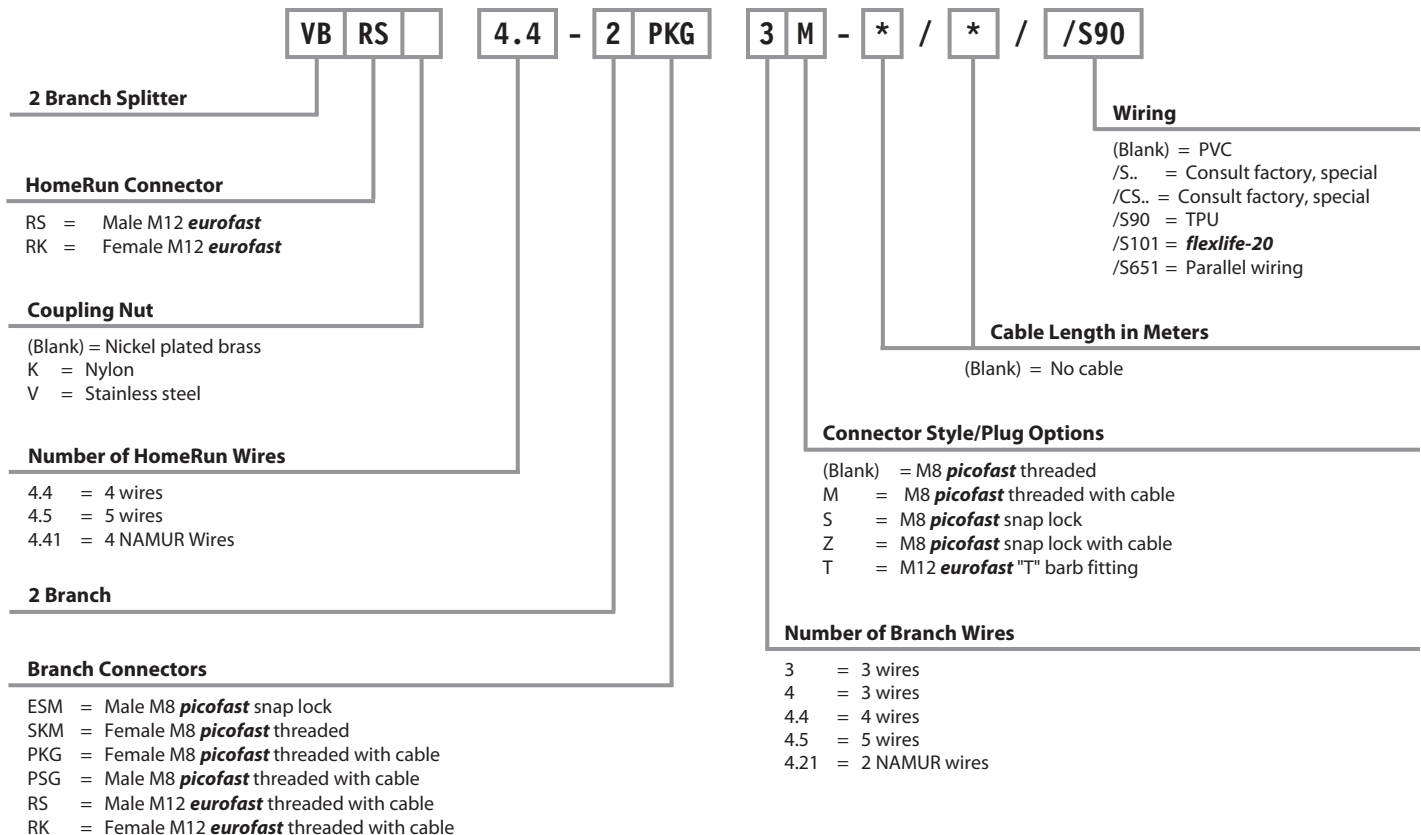
TURCK Splitters

2-Branch Compact Splitter Part Number Key

Part Number Keys are to assist in IDENTIFICATION ONLY. Consult Factory for catalog items not identified.



2-Branch (VBR/K) Splitter Part Number Key



Notes:

TURCK Splitters

M12 eurofast[®] 2-Branch Compact Splitters eurofast[®] Trunk Connector

- Combine Two Sensors into One Cable
- For Use on Cylinders and Other Dual-Input Applications
- Tough TPU Construction

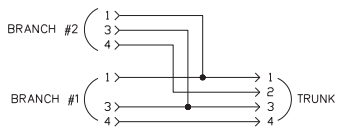


Housing	Part Number	Features	Wiring Diagram
	YBZ2-FSM4.4/2FK4	250 V, 4 A, 2 eurofast branches, 3-wire & 1 eurofast trunk, 4-wire	Standard
	YBZ2-FSM4.4/2FK4.4/S651	250 V, 4 A, 2 eurofast branches, 4-wire & 1 eurofast trunk, 4-wire	Parallel 4-wire
	YBZ2-FSM4.5/2FK4.5/S651	250 V, 4 A, 2 eurofast branches, 5-wire & 1 eurofast trunk, 5-wire	Parallel 5-wire
	YBZ2-PX3-FSM4.4/2FK4	10-30 VDC, 4 A, 2 eurofast branches, 3-wire & 1 eurofast trunk, 4-wire	LED
	YBZ2-FSM4.4/2RK4T-*/*	250 V, 4 A, RK 4T = Grey PVC, 5.1 mm OD, 3x20 AWG, 2 eurofast branches, 3-wire & 1 eurofast trunk, 4-wire	Standard
	YBZ2-FSM4.4/2RK4.4T-*/S651	250 V, 4 A, RK 4.4T = Grey PVC, 5.1 mm OD, 4x22 AWG, 2 eurofast branches, 4-wire & 1 eurofast trunk, 4-wire	Parallel 4-wire
	YBZ2-FSM4.4/2PKG3M-*/*	125 V, 4 A, PKG 3M = Yellow PVC, 4.4 mm OD, 3x24 AWG, 2 picofast branches, 3-wire & 1 eurofast trunk, 4-wire	Standard

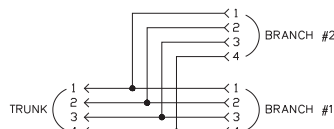
* Length in meters.

Wiring Diagrams

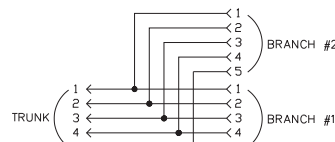
Standard



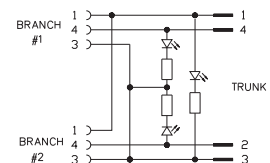
Parallel, 4-wire



Parallel, 5-wire



LED



- Junction Body:** Oil resistant yellow TPU
- Connector:** Oil resistant TPU body material, Nylon or TPU contact carrier, spacings to VDE 0110 Group C
- Contacts:** Gold plated brass
- Coupling Nuts:** Nickel plated brass
- Cable:** See table
- Temperature:** -40°C to +105°C (-40°F to +221°F)
- Protection:** NEMA 1,3,4,6P and IEC IP68

Cable Length: Branches - nominal 0.3 meters. Other lengths available by request - consult factory.

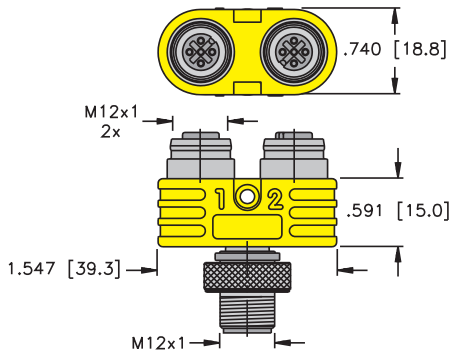
Cable Options: Standard cable jacket - grey/yellow PVC. TPU and other jackets available by request - consult factory.

Connector Options: (for legs with cable)

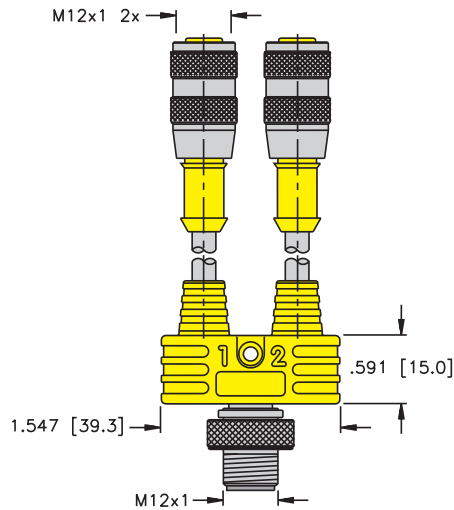
Stainless steel coupling nut add "V" to part number (PKG to PKGV, PSG to PSGV, RK to RKV).

Notes: Mounting hole accepts #4 screw.

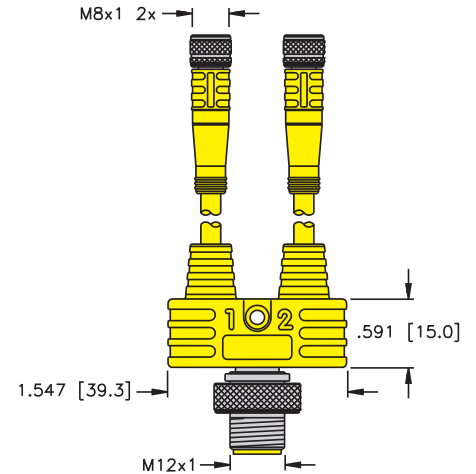
YBZ2-FSM 4.4(5)/2FK 4(.4)(.5)



YBZ2-FSM 4.4/2RK 4(.4)T-*/*



YBZ2-FSM 4.4/2PKG 3M-*/*



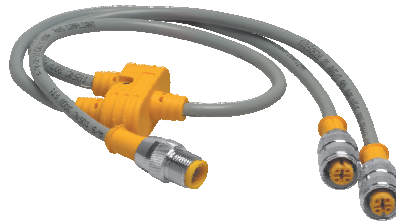
Pinouts

Female			Male	
4-Pin eurofast	5-Pin eurofast	3-Pin picofast	4-Pin eurofast	5-Pin eurofast

TURCK Splitters

M12 eurofast® 2-Branch Compact Splitters, Trunk and Branch Extensions

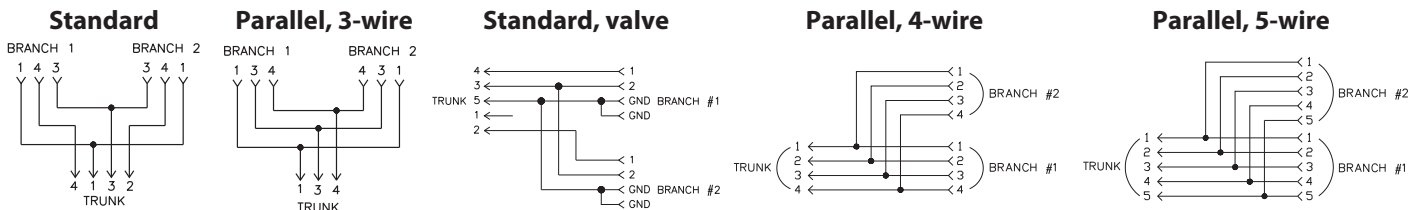
- Combine Two Sensors into One Cable
- For Use on Cylinders and Other Dual-Input Applications
- Tough TPU Construction



Housing	Part Number	Features	Wiring Diagram
	YBZ2-RS4.4T-*/2RK4T-*/*	250 V, 4 A, RS 4.4T = Grey PVC, 5.1 mm OD, 4x22 AWG, RK 4T = Grey PVC, 5.1 mm OD, 3x20 AWG, 2 eurofast branches, 3-wire & 1 eurofast trunk, 4-wire	Standard
	YBZ2-RS4.4T-*/2RK4.4T-*/*/S651	250 V, 4 A, RS 4.4T & RK 4.4T = Grey PVC, 5.1 mm OD, 4x22 AWG, 2 eurofast branches, 4-wire & 1 eurofast trunk, 4-wire	Parallel 4-wire
	YBZ2-RS4.5T-*/2RK4.5T-*/*/S651	250 V, 4 A, RK 4.5T & RS 4.5T = Grey PVC, 5.7mm OD, 5x22 AWG, 2 eurofast branches, 5-wire & 1 eurofast trunk, 5-wire	Parallel 5-wire
	YBZ2-PSG4M-*/2PKG3M-*/*	125 V, 2 A, PSG 4M = Yellow PVC, 4.4mm OD, 4x26 AWG, PKG 3M = Yellow PVC, 4.4mm OD, 3x24 AWG, 2 picofast branches, 3-wire & 1 picofast trunk, 4-wire	Standard
	YBZ2-PSG3M-*/2PKG3M-*/*/S651	125 V, 4 A, PSG 3M & PKG 3M = Yellow PVC, 4.4mm OD, 3x24 AWG, 2 picofast branches, 3-wire & 1 picofast trunk, 3-wire	Parallel 3-wire
	YBZ2-RS4.5T-*/2VAS22-A653-*/*	220 V, 4 A, RS 4.5T = Grey PVC, 5.1mm OD, 4x22 AWG, VAS22 = Grey PVC, 6.2mm OD, 3x18 AWG, 2 valve branches, 3-wire & 1 eurofast trunk, 4-wire	Standard valve

* Length in meters.

Wiring Diagrams



- Junction Body:** Oil resistant yellow TPU
- Connector:** Oil resistant TPU body material, Nylon or TPU contact carrier, spacings to VDE 0110 Group C
- Contacts:** Gold plated brass
- Coupling Nuts:** Nickel plated brass
- Cable:** See table
- Temperature:** -40°C to +105°C (-40°F to +221°F)
- Protection:** NEMA 1,3,4,6P and IEC IP68

Cable Length: Branches - nominal 0.3 meters. Other lengths available by request - consult factory.

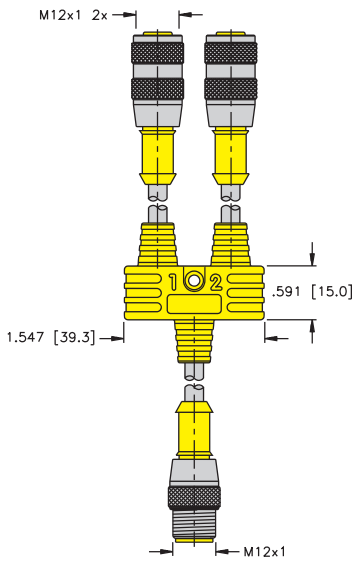
Cable Options: Standard cable jacket - grey/yellow PVC. TPU and other jackets available by request - consult factory.

Connector Options: (for legs with cable)

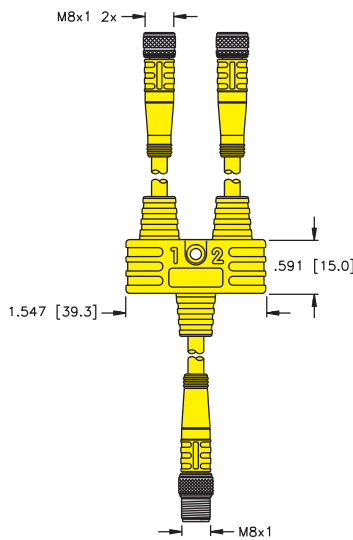
Stainless steel coupling nut add "V" to part number (PKG to PKGV, PSG to PSGV, RK to RKV).

Notes: Mounting hole accepts #4 screw.

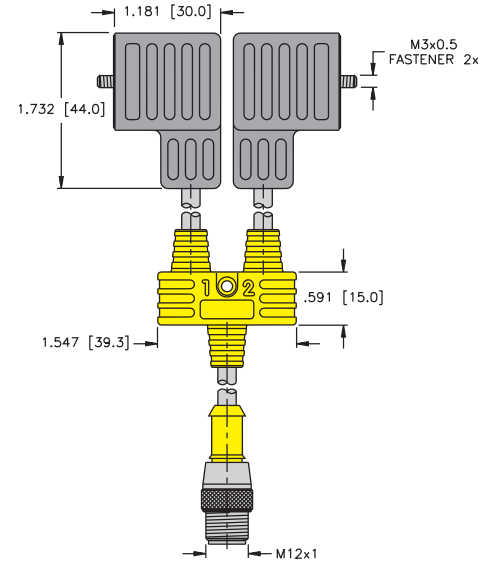
YBZ2-RS 4.4(5)T-*/2RK 4(.4)(.5)T-*/*



YBZ2-PSG 3(4)M-*/2PKG 3M-*/*



YBZ2-RS 4.5T-*/2VAS22-A653-*/*



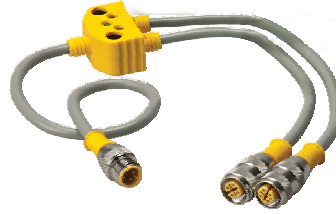
Pinouts

Female			Male		
4-Pin eurofast	5-Pin eurofast	3-Pin picofast	3-Pin picofast	4-Pin picofast	5-Pin eurofast

TURCK Splitters

euofast[®] 2-Branch Splitters, Standard and LED Wiring

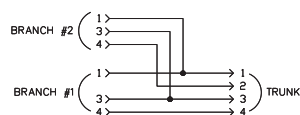
- Combine Two Sensors into One Cable
- For Use on Cylinders and Other Dual-Input Applications
- Tough TPU Construction
- For 3-wire DC Sensors or Switches



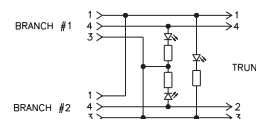
Housing	Part Number	Features	Wiring Diagram
	VB2-FSM 4.4/2FKM 4	250 V, 4.0 A, combine 2 sensors into 1 cable	Standard
	VB2-RS 4.4T-*/2FKM 4	250 V, 4.0 A, RS 4.4T = Grey PVC, 5.1 mm OD, 4x22 AWG, combine 2 sensors into 1 cable	Standard
	VB2-FSM 4.4/2RK 4T-*/	250 V, 4.0 A, Grey PVC, 5.1 mm OD, RK 4T - 3x20 AWG, combine 2 sensors into 1 cable	Standard
	VB2-RS 4.4T-*/2RK 4T-*/	250 V, 4.0 A, Grey PVC, 5.1 mm OD, RK 4T - 3x20 AWG, RS 4.4T - 4x22 AWG, combine 2 sensors into 1 cable	Standard
	VB2-PX3-FSM 4.4/2FKM 4	10-30 VDC, 4.0 A, combine 2 sensors into 1 cable; 3 LEDs, 2 signals, PNP, 1 power	LED
	VB2-PX3-RS 4.4T-*/2FKM 4	10-30 VDC, 4.0 A, RS 4.4T = Grey PVC, 5.1 mm OD, 4x22 AWG, combine 2 sensors into 1 cable; 3 LEDs, 2 signals, PNP, 1 power	LED
	VB2-PX3-FSM 4.4/2RK 4T-*/	10-30 VDC, 4.0 A, Grey PVC, 5.1 mm OD, RK 4T - 3x20 AWG, combine 2 sensors into 1 cable; 3 LEDs, 2 signals, PNP, 1 power	LED
	VB2-PX3-RS 4.4T-*/2RK 4T-*/	10-30 VDC, 4.0 A, Grey PVC, 5.1 mm OD, RK 4T - 3x20 AWG, RS 4.4T - 4x22 AWG, combine 2 sensors into 1 cable; 3 LEDs, 2 signals, PNP, 1 power	LED

Wiring Diagrams

Standard



LED



- Junction Body:** Oil resistant yellow TPU
- Connector:** Oil resistant TPU body material, Nylon or TPU contact carrier, spacings to VDE 0110 Group C
- Contacts:** Gold plated brass
- Coupling Nuts:** Nickel plated brass
- Cable:** See table
- Temperature:** -40°C to +105°C (-40°F to +221°F)
- Protection:** IEC IP67

Cable Length: Trunk - nominal 1 meter. Branches - nominal 0.3 meters. Other lengths available by request - consult factory.

Cable Options: Standard cable jacket - grey PVC. TPU and other jackets available by request - consult factory.

Connector Options: (for legs with cable)

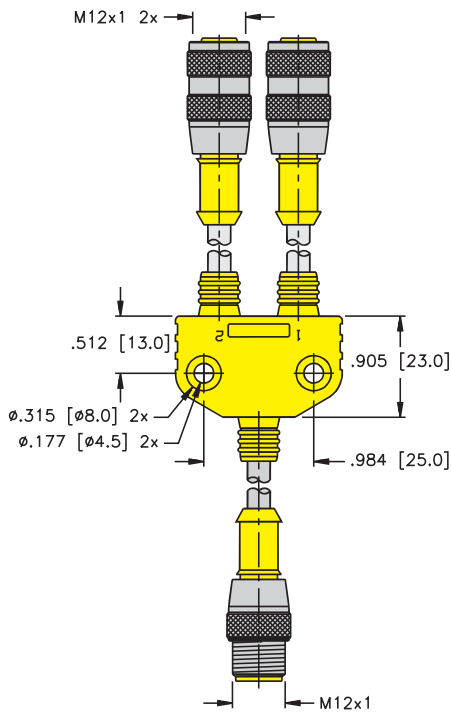
Stainless steel coupling nut add "V" to part number (RS to RSV, RK to RKV).

Nylon coupling nut add "K" to part number (RS to RSK, RK to RKK).

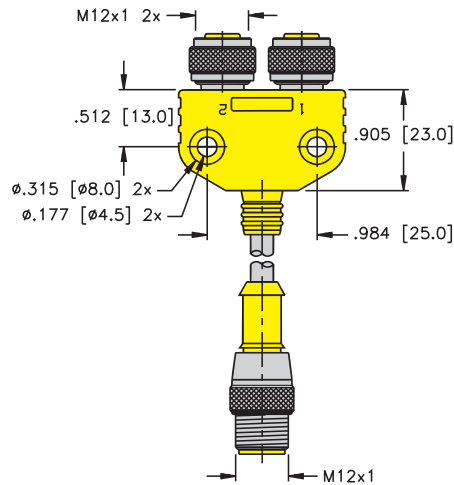
Right angle connectors, change part number (RS to WS, RK to WK).

Notes: Mounting hole accepts #8 screw.

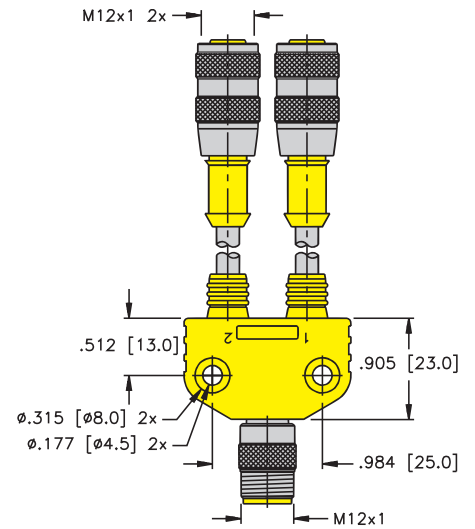
VB2-RS 4.4T-*/2RK 4T-*/*
VB2-PX3-RS 4.4T/2RK 4T-*/*



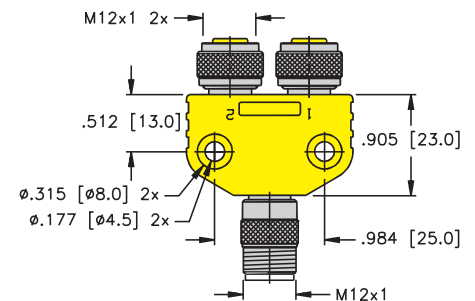
VB2-RS 4.4T-*/2FKM 4
VB2-PX3-RS 4.4T-*/2FKM 4



VB2-FSM 4.4/2RK 4T-*/*
VB2-PX3-FSM 4.4/2RK 4T-*/*



VB2-FSM 4.4/2FKM 4
VB2-PX3-FSM 4.4/2FKM 4



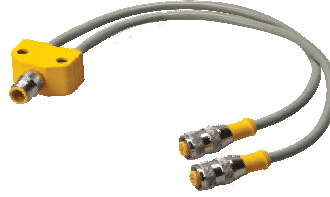
Pinouts

Female	Male
4-Pin	4-Pin

TURCK Splitters

M12 eurofast® 2-Branch Splitters, Parallel Wiring, Shielded Option

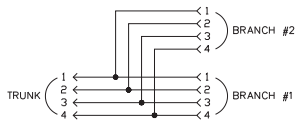
- For Use on Photoelectric Controls, Power Distribution and other Dual-Input Applications
- Tough TPU Construction



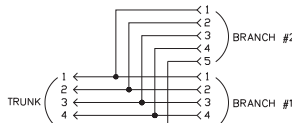
Housing	Part Number	Features	Wiring Diagram
	VB2-FSM 4.4/2FKM 4.4/S651	250 V, 4.0 A, parallel wired, 4 conductor	Parallel
	VB2-RS 4.4T-*/2FKM 4.4/S651	250 V, 4.0 A, RS 4.4T = Grey PVC, 5.1 mm OD, 4x22 AWG, parallel wired, 4 conductor	Parallel
	VB2-FSM 4.4/2RK 4.4T-*/*/S651	250 V, 4.0 A, RK 4.4T = Grey PVC, 5.1 mm OD, 4x22 AWG, parallel wired, 4 conductor	Parallel
	VB2-RS 4.4T-*/2RK 4.4T-*/*/S651	250 V, 4.0 A, Grey PVC, 5.1 mm OD, 4x22 AWG, parallel wired, 4 conductor	Parallel
	VB2-FSM 4.5/2FKM 4.5/S651	250 V, 4.0 A, parallel wired, 5 conductor	Parallel
	VB2-FSMS 4.5/2FKMS 4.5/S651	250 V, 4.0 A, parallel wired, Shielded, 5 conductor	Parallel, Shielded
	VB2-RS 4.5T-*/2FKM 4.5/S651	250 V, 4.0 A, RS 4.5T = Grey PVC, 5.7 mm OD, 5x22 AWG, parallel wired, 5 conductor	Parallel
	VB2-FSM 4.5/2RK 4.5T-*/*/S651	250 V, 4.0 A, RK 4.5T = Grey PVC, 5.7 mm OD, 5x22 AWG, parallel wired, 5 conductor	Parallel
	VB2-RS 4.5T-*/2RK 4.5T-*/*/S651	250 V, 4.0 A, Grey PVC, 5.7 mm OD, 5x22 AWG, parallel wired, 5 conductor	Parallel
	VB2-FKMS 4.5/2FSMS 4.5/S651	250 V, 4.0 A, parallel wired, shielded, 5 conductor	Parallel, Shielded

Wiring Diagrams

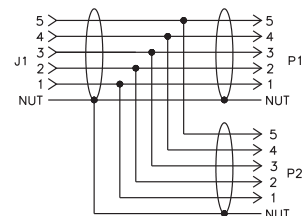
Parallel, 4-pin



Parallel, 5-pin



Parallel, Shielded, 5-pin



Junction Body:	Oil resistant yellow TPU
Connector:	Oil resistant TPU body material, Nylon or TPU contact carrier. Spacings to VDE 0110 Group C
Contacts:	Gold plated brass
Coupling Nuts:	Nickel plated brass
Cable:	See table
Temperature:	-40°C to +105°C (-40°F to +221°F)
Protection:	IEC IP67 IEC IP60 (shielded)

Cable Length: Trunk - nominal 1 meter. Branches - nominal 0.3 meters. Other lengths available by request - consult factory.

Cable Options: Standard cable jacket - grey PVC. TPU and other jackets available by request - consult factory.

Connector Options: (for legs with cable)

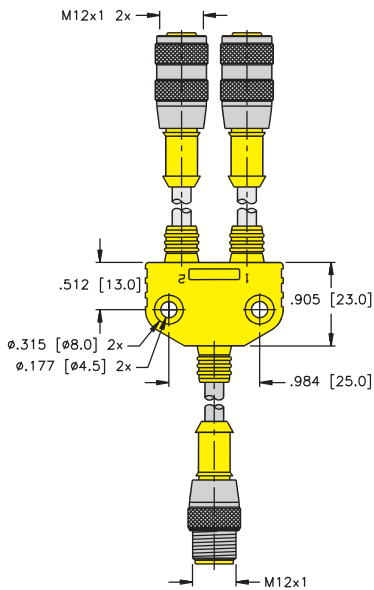
Stainless steel coupling nut add "V" to part number (RS to RSV, RK to RKV).

Nylon coupling nut add "K" to part number (RS to RSK, RK to RKK).

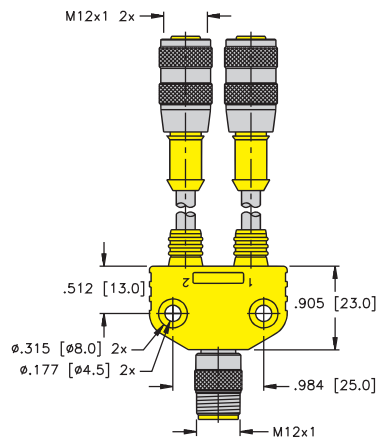
Right angle connectors, change part number (RS to WS, RK to WK).

Notes: Mounting holes accept #8 screw.

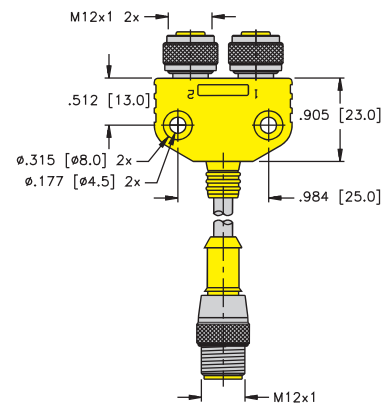
VB2-RS 4.4(5)T-*/2RK 4.4(5)T-*/S651



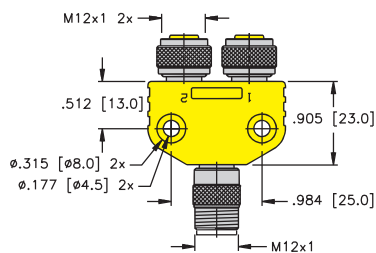
VB2-FSM 4.4(5)/2RK 4.4(5)T-*/S651



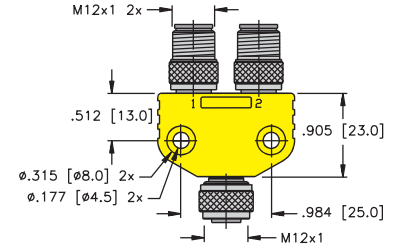
VB2-RS 4.4(5)T-*/2FKM 4.4(5)/S651



VB2-FSM(S) 4.4(5)/2FKM(S) 4.4(5)/S651



VB2-FKMS 4.5/2FSMS 4.5/S651



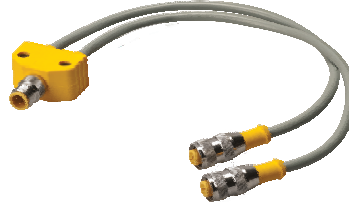
Pinouts

Female	Female	Male	Male
4-Pin	5-Pin	4-Pin	5-Pin

TURCK Splitters

M12 eurofast® 2-Branch Splitters, Series Wiring

- Combine Two Sensors into One Cable
- Series Wired
- Tough TPU Construction
- For 3-wire DC Sensors or Switches

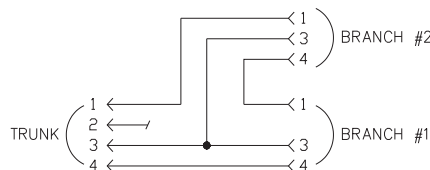


Housing	Part Number	Features	Wiring Diagram
	VB2-FSM 4.4/2FKM 4/S719	250 V, 4.0 A, series wired for AND function (PNP signals)	Series
	VB2-RS 4.4T-*/2FKM 4/S719	250 V, 4.0 A, RS 4.4T = Grey PVC, 5.1 mm OD, 4x22 AWG, series wired for AND function (PNP signals)	Series
	VB2-FSM 4.4/2RK 4T-*/*/S719	250 V, 4.0 A, RK 4T = Grey PVC, 5.1 mm OD, 3x20 AWG, series wired for AND function (PNP signals)	Series
	VB2-RS 4.4T-*/2RK 4T-*/*/S719	250 V, 4.0 A, Grey PVC, 5.1 mm OD, RK 4T - 3x20 AWG, RS 4.4T - 4x22 AWG, series wired for AND function (PNP signals)	Series

* Length in meters.

Wiring Diagram

Series



- Junction Body:** Oil resistant yellow TPU
- Connector:** Oil resistant TPU body material, Nylon or TPU contact carrier, spacings to VDE 0110 Group C
- Contacts:** Gold plated brass
- Coupling Nuts:** Nickel plated brass
- Cable:** See table
- Temperature:** -40°C to +105°C (-40°F to +221°F)
- Protection:** IEC IP67

Cable Length: Trunk - nominal 1 meter. Branches - nominal 0.3 meters. Other lengths available by request - consult factory.

Cable Options: Standard cable jacket - grey PVC. TPU and other jackets available by request - consult factory.

Connector Options: (for legs with cable)

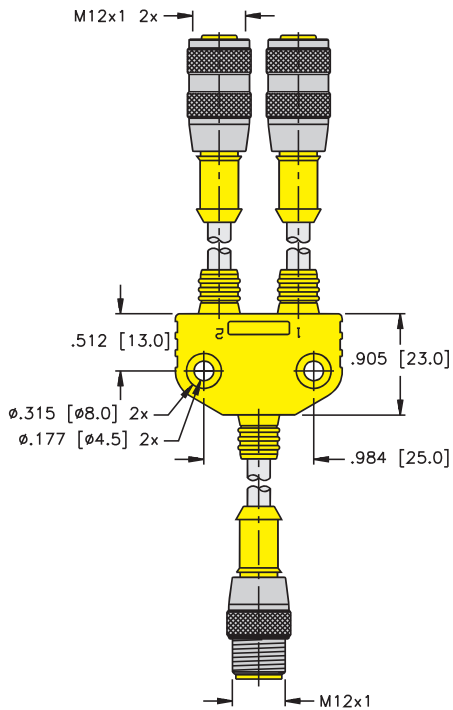
Stainless steel coupling nut add "V" to part number (RS to RSV, RK to RKV).

Nylon coupling nut add "K" to part number (RS to RSK, RK to RKK).

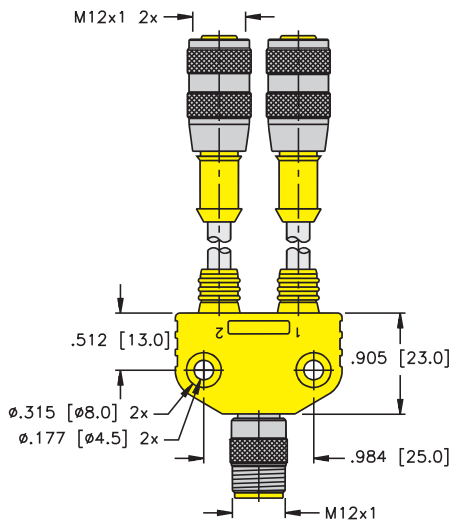
Right angle connectors, change part number (RS to WS, RK to WK).

Notes: Mounting holes accept #8 screw.

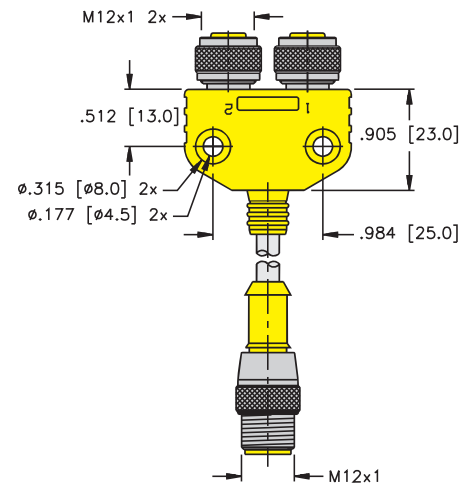
VB2-RS 4.4T-*/2RK 4T-*/S719



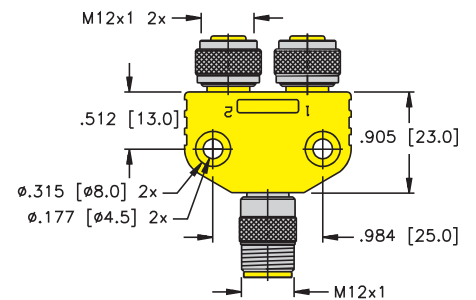
VB2-FSM 4.4/2RK 4T-*/S719



VB2-RS 4.4T-*/2FKM 4/S719



VB2-FSM 4.4/2FKM 4/S719



Pinouts

Female	Male
4-Pin	4-Pin

TURCK Splitters

M12 eurofast® 2-Branch Splitters, NAMUR Wiring

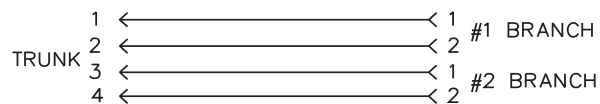
- Combine Two NAMUR Sensors into One Cable
- Tough TPU Construction
- For use with NAMUR Junction Boxes



Housing	Part Number	Features	Wiring Diagram
	VB2-FSM 4.41/2FKM 4.21	250 V, 4.0 A, combine 2 NAMUR sensors into one cable	NAMUR
	VB2-RS 4.41T-*/2FKM 4.21	250 V, 4.0 A, RS 4.41T = Blue PVC, 5.1 mm OD, 4x22 AWG, combine 2 NAMUR sensors into one cable	
	VB2-FSM 4.41/2RK 4.21T-*/*	250 V, 4.0 A, RK 4.21T = Blue PVC, 5.1 mm OD, 2x20 AWG, combine 2 NAMUR sensors into one cable	
	VB2-RS 4.41T-*/2RK 4.21T-*/*	250 V, 4.0 A, Blue PVC, 5.1 mm OD, RK 4.21T – 2x20 AWG, RS 4.41T – 4x22 AWG, combine 2 NAMUR sensors into one cable	

* Length in meters.

Namur Wiring Diagram



- Junction Body:** Oil resistant yellow TPU
- Connector:** Oil resistant TPU body material, Nylon or TPU contact carrier, spacings to VDE 0110 Group C
- Contacts:** Gold plated brass
- Coupling Nuts:** Nickel plated brass
- Cable:** See table
- Temperature:** -40°C to +105°C (-40°F to +221°F)
- Protection:** IEC IP67

Cable Length: Trunk - nominal 1 meter. Branches - nominal 0.3 meters. Other lengths available by request - consult factory.

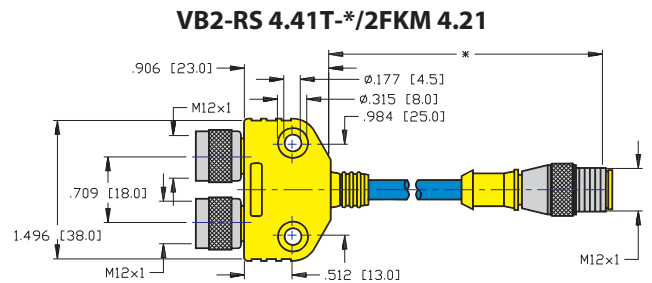
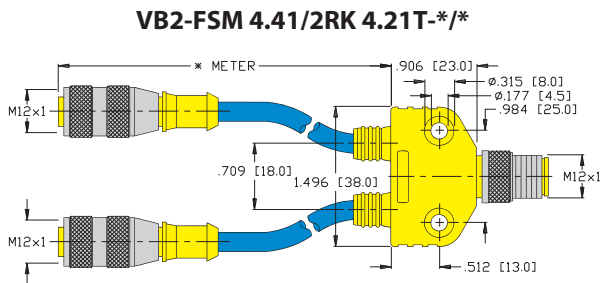
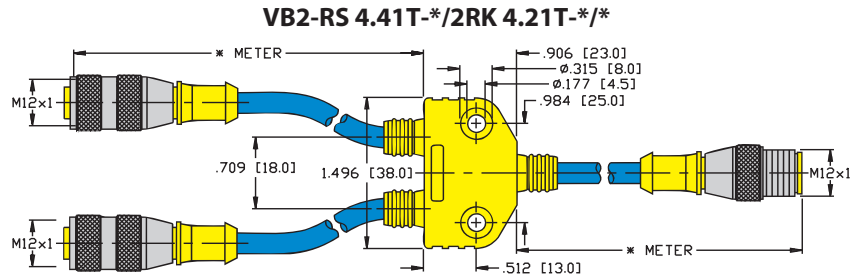
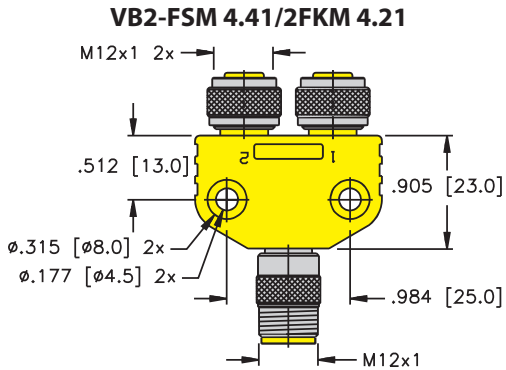
Connector Options: (for legs with cable)

Stainless steel coupling nut add "V" to part number (RS to RSV, RK to RKV).

Nylon coupling nut add "K" to part number (RS to RSK, RK to RKK).

Right angle connectors, change part number (RS to WS, RK to WK).

Notes: Mounting holes accept #8 screw.



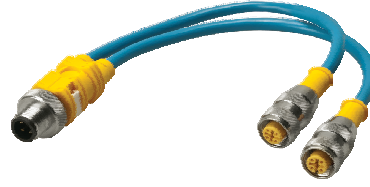
Pinouts

Female	Male
4-Pin	4-Pin

TURCK Splitters

M12 eurofast® 2-Branch Splitters, NAMUR Wiring

- Combine Two NAMUR Sensors into One Cable
- **eurofast** Connection Features Anti-Vibration Coupling Nut (main leg only)
- Tough TPU Body Resists Oil and Abrasion
- Compact Size Saves Space

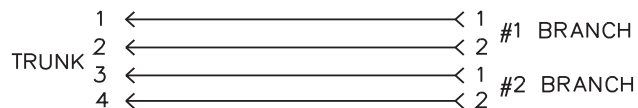


Housing	Part Number	Features	Wiring Diagram
	VBRS 4.41-2RK 4.21T-*/*	250 V, 4.0 A, 2x20 AWG, Blue PVC, 5.1 mm OD, combine 2 NAMUR sensors into one cable. Connects directly to eurofast junction box.	NAMUR

* Length in meters.

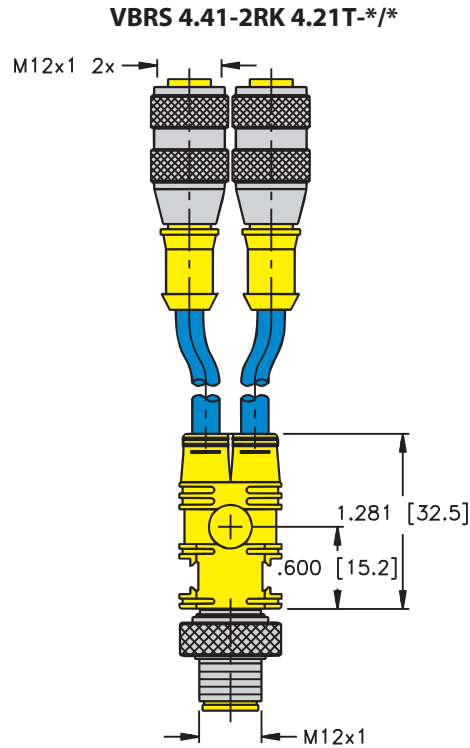
To add mounting hole; add /S857 to the end of the part number.

Namur Wiring Diagram



- Junction Body:** Oil resistant yellow TPU
- Connector:** Oil resistant yellow TPU body material, Nylon or TPU contact carrier, spacings to VDE 0110 Group C
- Contacts:** Gold plated brass, machined from solid stock
- Coupling Nuts:** Nickel plated brass
- Cable:** See table
- Temperature:** -40 C to +105 C (-40 F to +221 F)
- Protection:** NEMA 1,3,4,6P and IEC IP67
- Accessories:** KS 5/10 labels 2 of each included

Cable Length: Branches - nominal 0.3 meters. Other lengths available by request - consult factory.



Pinouts

Female	Male
4-Pin	4-Pin

TURCK Splitters

M12 eurofast® and M8 picofast® 2-Branch Molded Splitters

- Combine 2 *picofast* or *eurofast* Connections into 1 *eurofast* Receptacle
- *eurofast* Connection Features Anti-vibration Coupling Nut (main leg only)
- Compact Size Saves Space
- Tough TPU Body Resists Oil and Abrasion



Housing	Part Number	Features	Wiring Diagram
	VBRS 4.4-2ESM 3S	60 VAC / 75 VDC, 4.0 A, for sensors with complementary outputs, splits signals Branches have snap lock	Diagram A
	VBRS 4.4-2SKM 3	60 VAC / 75 VDC, 4.0 A, combine 2 sensors into 1 cable. Connects directly to <i>eurofast</i> junction box Branches have threaded coupling nut	Diagram B
	VBRS 4.4-2PKG 3M-*/*/	60 VAC / 75 VDC, 4.0 A, 3x24 AWG, Yellow PVC, 4.4 mm OD, combine 2 sensors into 1 cable. Connects directly to <i>eurofast</i> junction box Branches have threaded coupling nut	Diagram B
	VBRS 4.4-2PKG 3Z-*/*/	60 VAC / 75 VDC, 4.0 A, 3x24 AWG, Yellow PVC, 4.4 mm OD, combine 2 sensors into 1 cable. Connects directly to <i>eurofast</i> junction box Branches have snap lock	Diagram B
	VBRS 4.4-2RK 4T-*/*/	250 V, 4.0 A, 3x20 AWG, Grey PVC, 5.1 mm OD, combine 2 sensors into 1 cable. Connects directly to <i>eurofast</i> junction box	Diagram B

* Length in meters.

To add mounting hole; add /S857 to the end of the part number.

Wiring Diagrams

Diagram A

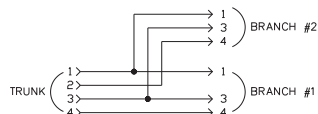
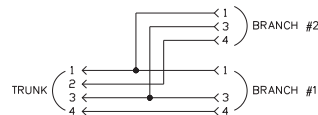
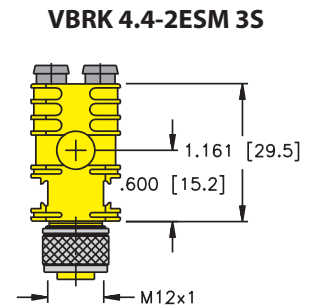
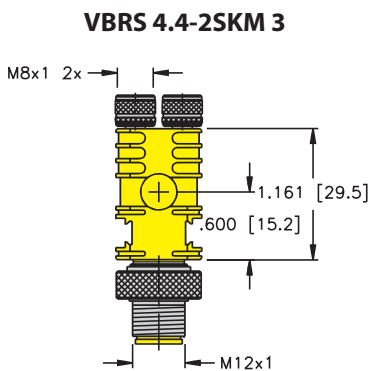
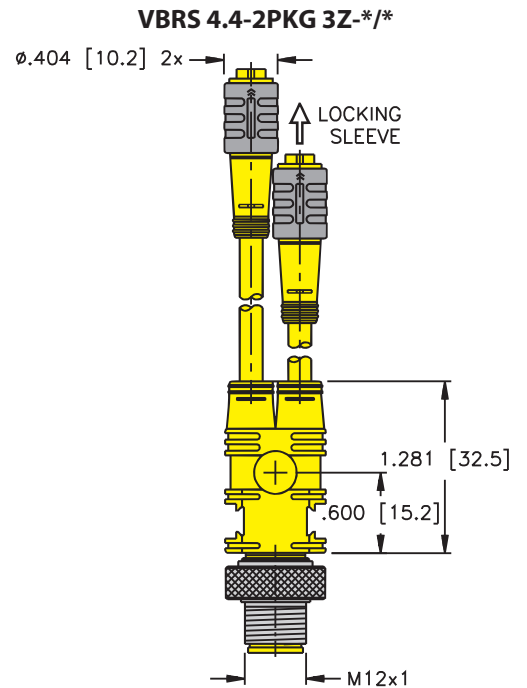
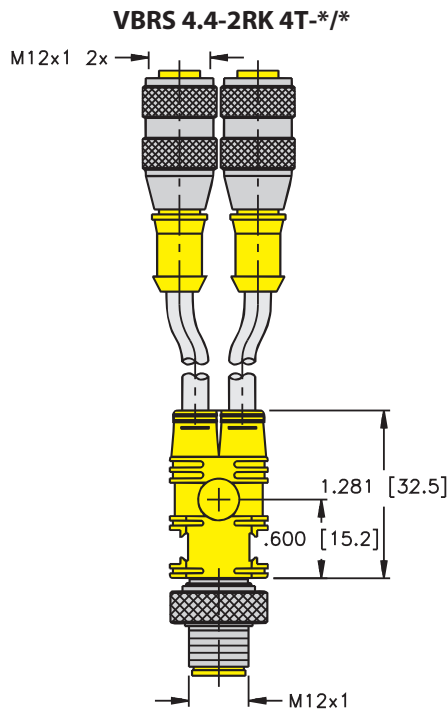
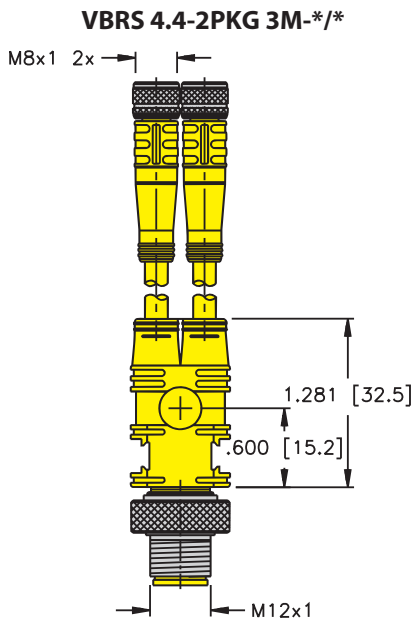


Diagram B



- Junction Body:** Oil resistant yellow TPU
- Connector:** Oil resistant yellow TPU body material, Nylon or TPU contact carrier, spacings to VDE 0110 Group C
- Contacts:** Gold plated brass
- Coupling Nuts:** Nickel plated brass. POM locking sleeve
- Cable:** See table
- Temperature:** -40°C to +105°C (-40°F to +221°F)
- Protection:** NEMA 1,3,4,6P and IEC IP67
- Accessories:** KS 5/10 labels included

Cable Length: Branches - nominal 0.3 meters. Other lengths available by request - consult factory.



Pinouts

Female	Female	Male	Male
3-Pin picofast	4-Pin eurofast	3-Pin picofast	4-Pin eurofast

TURCK Splitters

M12 eurofast® 2-Branch Splitters with Valve Plugs

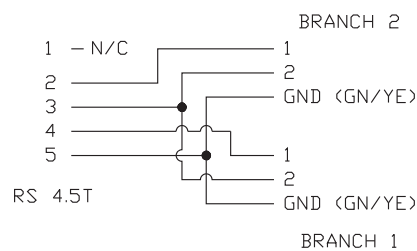
- Combine 2 Valve Plugs into 1 eurofast
- For Use with/eurofast J-boxes with/2 Signals/Port
- Available with All Valve Plug Styles (A, B, I and C)



Part Number	Features	Wiring Diagram
VB2-RS 4.5T-*/2VAS 22-A528-*/*	220 V, 4.0 A, RS 4.5T = Grey PVC, 5.1 mm OD, 4x22 AWG, Valve plug = Grey PVC, 5.1 mm OD 3x20 AWG, combine 2 valve plugs into 1 cable. For use with 2 signal / port junction boxes. "A" style (18 mm) valve plugs.	Diagram A
VB2-RS 4.5T-*/2VBS 2-A528-*/*	220 V, 4.0 A, RS 4.5T = Grey PVC, 5.1 mm OD, 4x22 AWG, Valve plug = Grey PVC, 5.1 mm OD 3x20 AWG, combine 2 valve plugs into 1 cable. For use with 2 signal / port junction boxes. "B" style (10 mm) valve plugs.	Diagram A
VB2-RS 4.5T-*/2VIS 2-A528-*/*	220 V, 4.0 A, RS 4.5T = Grey PVC, 5.1 mm OD, 4x22 AWG, Valve plug = Grey PVC, 5.1 mm OD 3x20 AWG, combine 2 valve plugs into 1 cable. For use with 2 signal / port junction boxes. "I" style (11 mm) valve plugs.	Diagram A
VB2-RS 4.5T-*/2TC8S 2-A528-*/*	220 V, 4.0 A, RS 4.5T = Grey PVC, 5.1 mm OD, 4x22 AWG, Valve plug = Grey PVC, 5.1 mm OD 3x20 AWG, combine 2 valve plugs into 1 cable. For use with 2 signal / port junction boxes. "C" style (8 mm) valve plugs.	Diagram A
VB2-RS 4.5T-*/2TC9S 2-A528-*/*	220 V, 4.0 A, RS 4.5T = Grey PVC, 5.1 mm OD, 4x22 AWG, Valve plug = Grey PVC, 5.1 mm OD 3x20 AWG, combine 2 valve plugs into 1 cable. For use with 2 signal / port junction boxes. "C" style (9.4 mm) valve plugs.	Diagram A

* Length in meters.

Diagram A



- Junction Body:** Oil resistant yellow TPU
- Connector:** Oil resistant TPU body material, Nylon or TPU contact carrier
- Contacts:** Gold plated brass (**eurofast**). Silver plated copper alloy (**VALVE PLUG**)
- Coupling Nuts:** Nickel plated brass
- Cable:** See table
- Temperature:** -40°C to +105°C (-40°F to +221°F)
- Protection:** IEC IP67

Cable Length: Trunk - nominal 1 meter. Branches - nominal 0.3 meters. Other lengths available by request - consult factory.

Cable Options: Other jackets available by request - consult factory.

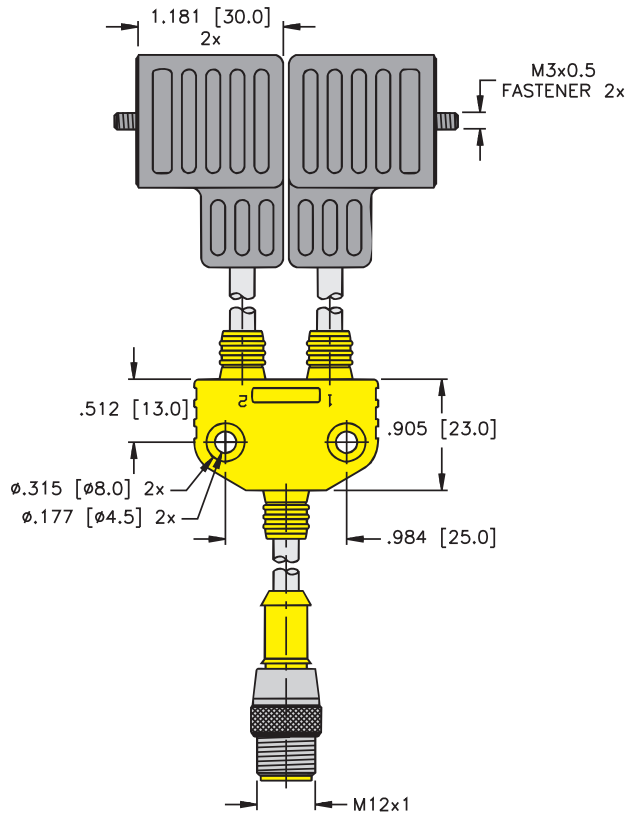
Valve Options: Available w/LED or LED+MOV, consult factory.

eurofast Options: Stainless steel coupling nut add "V" to part number (RS .. to RSV ..).

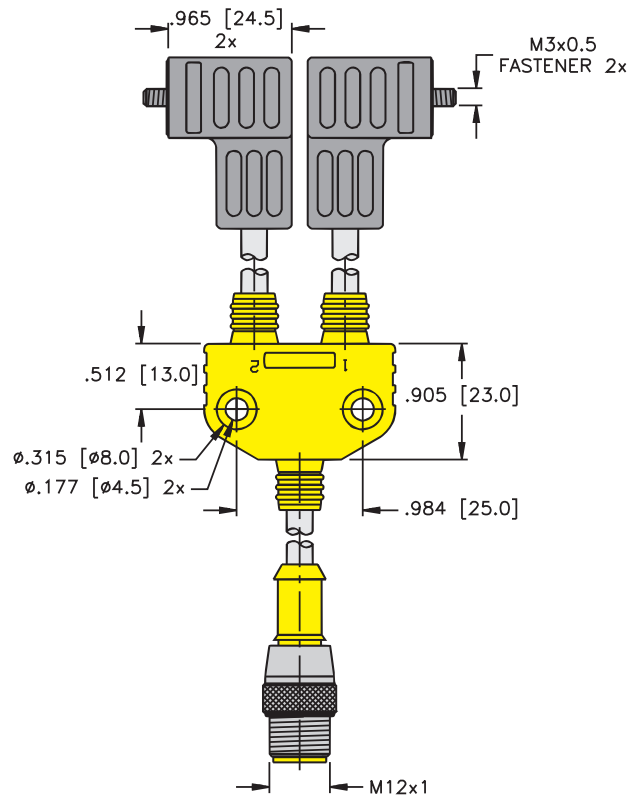
Nylon coupling nut add "K" to part number (RS .. to RSK ..).

Right angle connectors, change part number (RS .. to WS..).

VB2-RS 4.5T-*/2V ..S 2 ..-A528-*/*



VB2-RS 4.5T-*/2TC .. S 2-A528-*/*



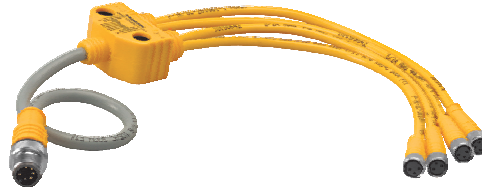
Pinouts

Female	Male
5-Pin eurofast	5-Pin eurofast

TURCK Splitters

M12 eurofast® 4-Branch Splitters, Standard Wiring

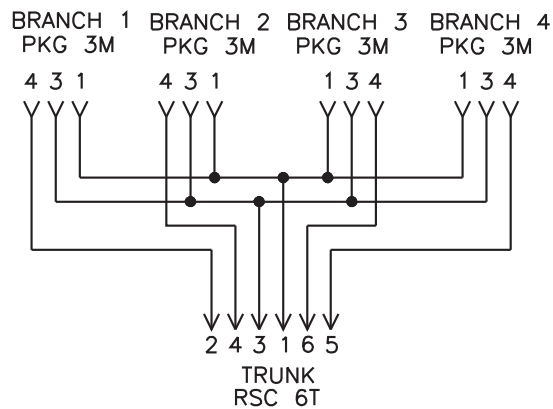
- Combine 4 Sensors into One Cable
- Tough TPU Construction
- For 3-wire DC Sensors or Switches



Housing	Part Number	Features	Wiring Diagram
	V6RSC-*/PKG3M-*/**/*	60 VAC/75 VDC, 2.0 A, RSC 6T = Grey PVC, 5.7 mm OD, 6x24 AWG, PKG = Yellow PVC, 4.4 mm OD, 3x24 AWG, combine 4 sensors into 1 cable	Standard

* Length in meters.

Wiring Diagram



Junction Body:	Oil resistant yellow TPU
Connector:	Oil resistant TPU body material, Nylon or TPU contact carrier, spacings to VDE 0110 Group C
Contacts:	Gold plated brass
Coupling Nuts:	Nickel plated brass
Cable:	See table
Temperature:	-40°C to +105°C (-40°F to +221°F)
Protection:	IEC IP67

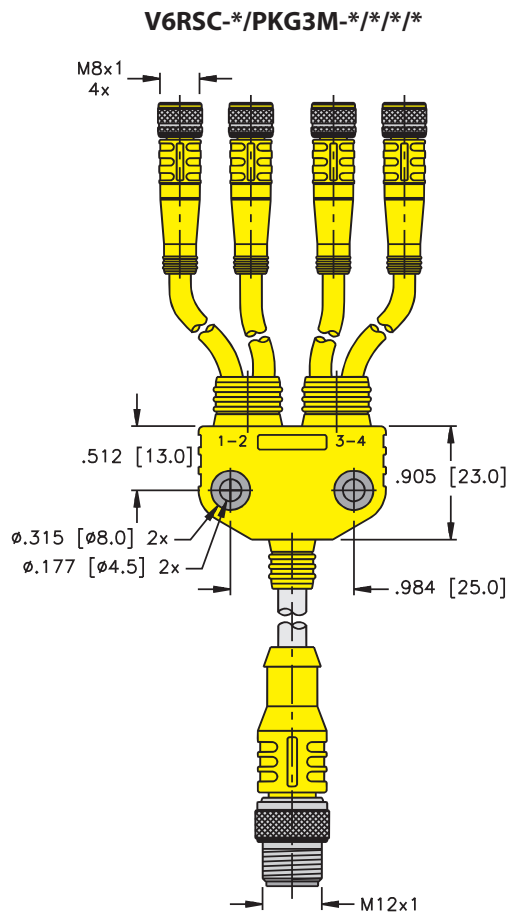
Cable Length: Trunk - nominal 1 meter. Branches - nominal 0.3 meters. Other lengths available by request - consult factory.

Cable Options: Standard cable jacket - grey PVC. TPU and other jackets available by request - consult factory.

Connector Options: (for legs with cable)

Stainless steel coupling nut add "V" to part number (PKG to PKGV).

Notes: Mounting hole accepts #8 screw.



Pinouts

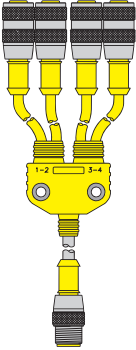
Female	Male
3-Pin	6-Pin

TURCK Splitters

M12 eurofast® 4-Branch Splitters, Parallel Wiring

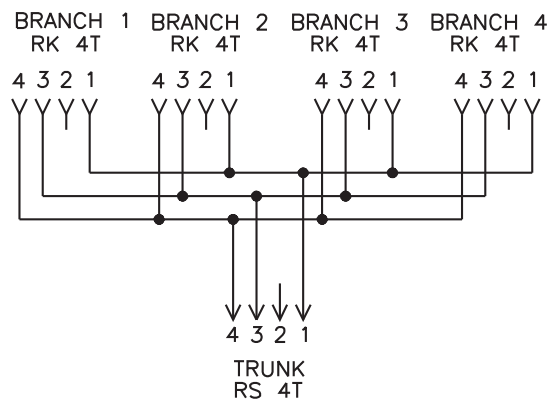
- For Use on Photoelectric Controls, Power Distribution and other Parallel-wired Applications
- Tough TPU Construction



Housing	Part Number	Features	Wiring Diagram
	<p>V3RS-*/RK4-*/*/*/S651</p>	<p>60 VAC /75 VDC, 2.0 A, Yellow PVC, 4.4 mm OD, 3x24 AWG, parallel wired, 3 conductor</p>	<p>Parallel</p>

* Length in meters.

Wiring Diagram



- Junction Body:** Oil resistant yellow TPU
- Connector:** Oil resistant TPU body material, Nylon or TPU contact carrier. Spacings to VDE 0110 Group C
- Contacts:** Gold plated brass
- Coupling Nuts:** Nickel plated brass
- Cable:** See table
- Temperature:** -40°C to +105°C (-40°F to +221°F)
- Protection:** IEC IP67

Cable Length: Trunk - nominal 1 meter. Branches - nominal 0.3 meters. Other lengths available by request - consult factory.

Cable Options: Standard cable jacket - grey PVC. TPU and other jackets available by request - consult factory.

Connector Options: (for legs with cable)

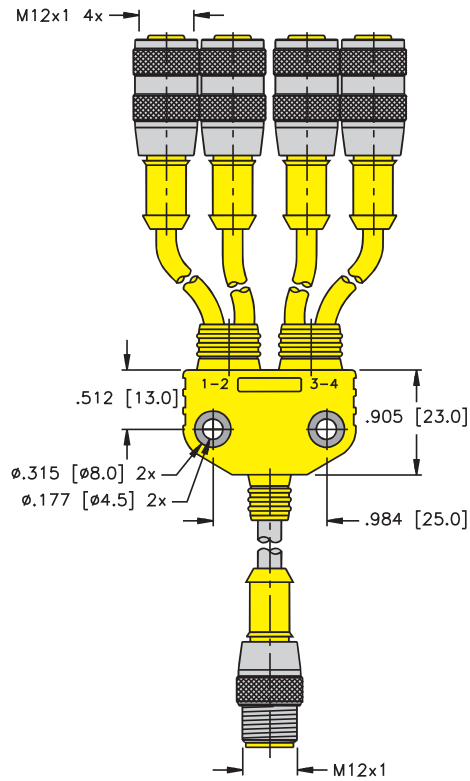
Stainless steel coupling nut add "V" to part number (RS to RSV, RK to RKV).

Nylon coupling nut add "K" to part number (RS to RSK, RK to RKK).

Right angle connectors, change part number (RS to WS, RK to WK).

Notes: Mounting holes accept #8 screw.

V3RS-*/RK4-*/***/S651



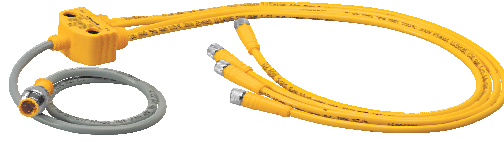
Pinouts

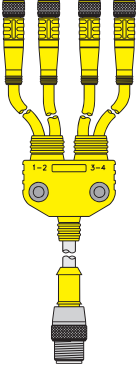
Female	Male
4-Pin	4-Pin

TURCK Splitters

M12 eurofast® 4-Branch Splitters, Parallel Wiring

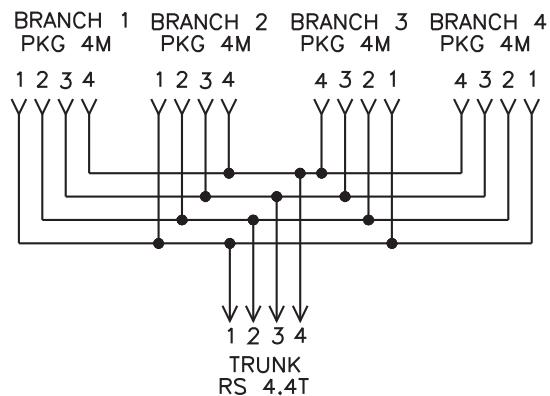
- For Use on Photoelectric Controls, Power Distribution and other Parallel-wired Applications
- Tough TPU Construction



Housing	Part Number	Features	Wiring Diagram
	<p>V4RS-*/PKG4M-*/*/*/S651</p>	<p>125 VAC / VDC, 2.0 A, RS 4.4T = Grey PVC, 5.1 mm OD, 4x22 AWG, PKG 4M = Yellow PVC, 4.4 mm OD, 4x26 AWG, parallel wired, 4 conductor</p>	<p>Parallel</p>

* Length in meters.

Wiring Diagram



- Junction Body:** Oil resistant yellow TPU
- Connector:** Oil resistant TPU body material, Nylon or TPU contact carrier
- Contacts:** Gold plated brass
- Coupling Nuts:** Nickel plated brass
- Cable:** See table
- Temperature:** -40°C to +105°C (-40°F to +221°F)
- Protection:** IEC IP67

Cable Length: Trunk - nominal 1 meter. Branches - nominal 0.3 meters. Other lengths available by request - consult factory.

Cable Options: Standard cable jacket - grey PVC. TPU and other jackets available by request - consult factory.

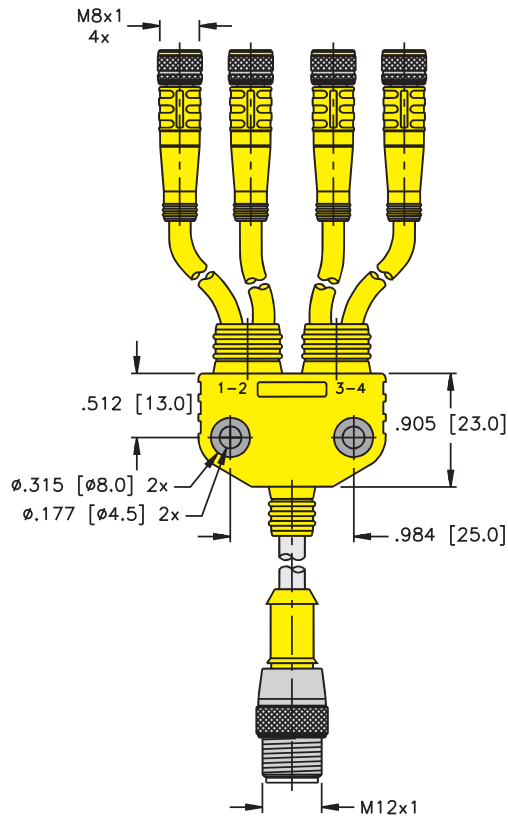
Connector Options: (for legs with cable)

Stainless steel coupling nut add "V" to part number (PSG to PSGV, PKG to PKGV).

Right angle connectors, change part number (RS to WS, RK to WK).

Notes: Mounting holes accept #8 screw.

V4RS-*/PKG4M-*/*/*/S651



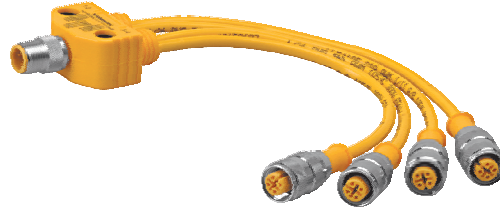
Pinouts

Female	Male
4-Pin	4-Pin

TURCK Splitters

M12 eurofast® 4-Branch Splitters, Parallel Wiring

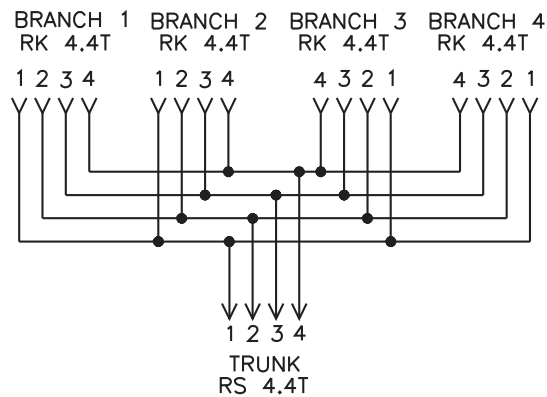
- For Use on Photoelectric Controls, Power Distribution and other Parallel-wired Applications
- Tough TPU Construction



Housing	Part Number	Features	Wiring Diagram
	V4FSM/RK4.4-*/*/*/S651	250 V, 2.0 A, RK 4.4T = Yellow PVC, 4.4 mm OD, 4x26 AWG, parallel wired, 4 conductor	Parallel

* Length in meters.

Wiring Diagram



Junction Body:	Oil resistant yellow TPU
Connector:	Oil resistant TPU body material, Nylon or TPU contact carrier. Spacings to VDE 0110 Group C
Contacts:	Gold plated brass
Coupling Nuts:	Nickel plated brass
Cable:	See table
Temperature:	-40°C to +105°C (-40°F to +221°F)
Protection:	IEC IP67

Cable Length: Trunk - nominal 1 meter. Branches - nominal 0.3 meters. Other lengths available by request - consult factory.

Cable Options: Standard cable jacket - grey PVC. TPU and other jackets available by request - consult factory.

Connector Options: (for legs with cable)

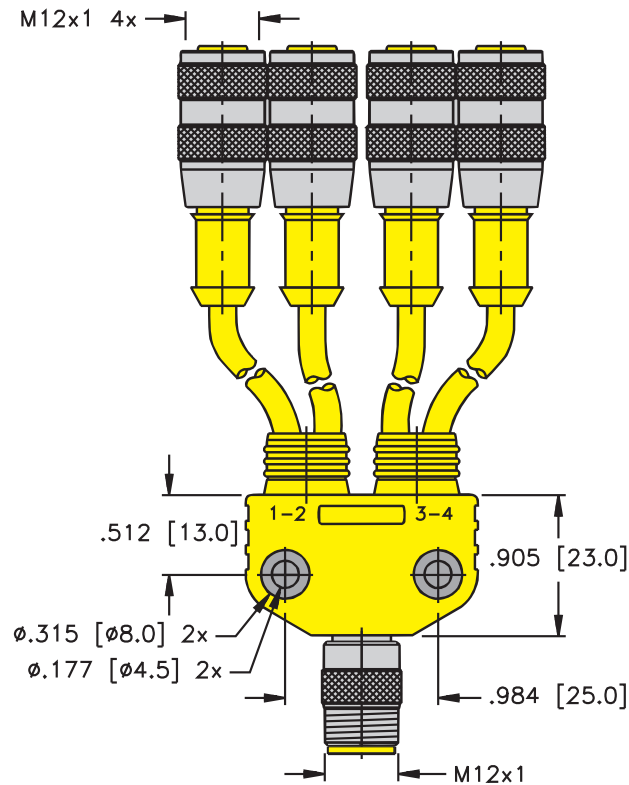
Stainless steel coupling nut add "V" to part number (RS to RSV, RK to RKV).

Nylon coupling nut add "K" to part number (RS to RSK, RK to RKK).

Right angle connectors, change part number (RS to WS, RK to WK).

Notes: Mounting holes accept #8 screw.

V4FSM/RK4.4-*/*/*/S651



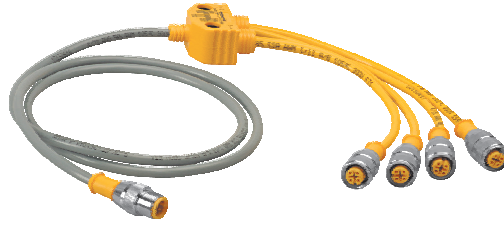
Pinouts

Female	Male
4-Pin	4-Pin

TURCK Splitters

M12 eurofast® 4-Branch Splitters, Parallel Wiring

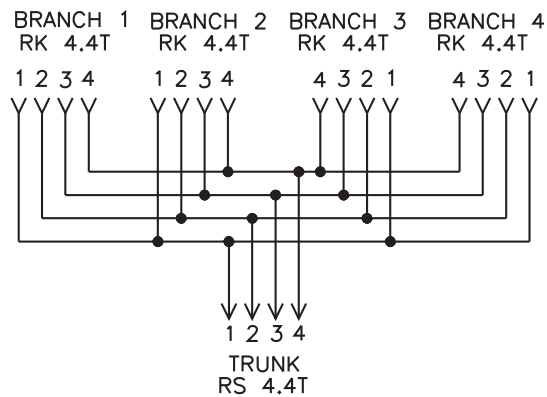
- For Use on Photoelectric Controls, Power Distribution and other Parallel-wired Applications
- Tough TPU Construction



Housing	Part Number	Features	Wiring Diagram
	V4RS-*/RK4.4-*/*/*/S651	250 V, 2.0 A, RS 4.4T = Grey PVC, 5.1 mm OD, 4x22 AWG, RK 4.4T = Yellow PVC, 4.4 mm OD, 4x26 AWG, parallel wired, 4 conductor	Parallel

* Length in meters.

Wiring Diagram



Junction Body:	Oil resistant yellow TPU
Connector:	Oil resistant TPU body material, Nylon or TPU contact carrier. Spacings to VDE 0110 Group C
Contacts:	Gold plated brass
Coupling Nuts:	Nickel plated brass
Cable:	See table
Temperature:	-40°C to +105°C (-40°F to +221°F)
Protection:	IEC IP67

Cable Length: Trunk - nominal 1 meter. Branches - nominal 0.3 meters. Other lengths available by request - consult factory.

Cable Options: Standard cable jacket - grey PVC. TPU and other jackets available by request - consult factory.

Connector Options: (for legs with cable)

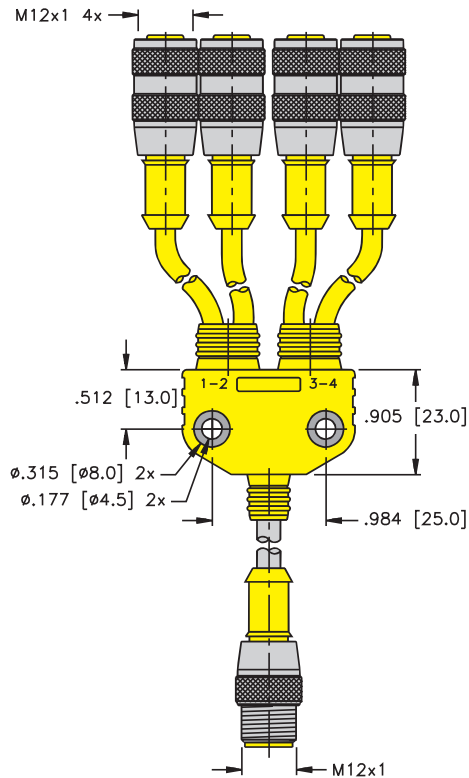
Stainless steel coupling nut add "V" to part number (RS to RSV, RK to RKV).

Nylon coupling nut add "K" to part number (RS to RSK, RK to RKK).

Right angle connectors, change part number (RS to WS, RK to WK).

Notes: Mounting holes accept #8 screw.

V4RS-*/RK4.4-*/*/*/S651



Pinouts

Female	Male
4-Pin	4-Pin

TURCK Splitters

M12 eurofast® 4-Branch Splitters, Series Wiring

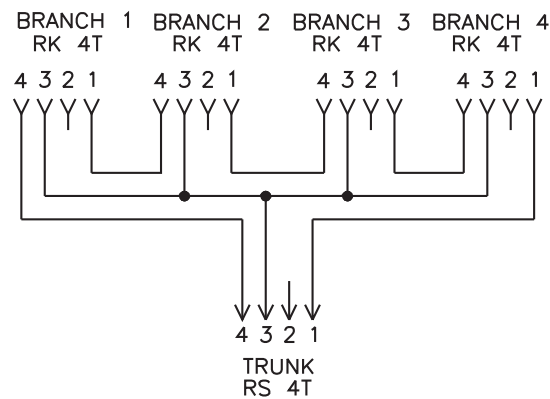
- Combine Four Sensors into One Cable
- Series Wired
- Tough TPU Construction
- For 3-wire DC Sensors or Switches



Housing	Part Number	Features	Wiring Diagram
	<p>V3RS-*/RK 4-*/*/*/S719</p>	<p>60 VAC / 75 VDC, 2.0 A, Grey PVC, 4.4 mm OD, 3x24 AWG, series wired for and function PNP signals</p>	<p>Series</p>

* Length in meters.

Wiring Diagram



- Junction Body:** Oil resistant yellow TPU
- Connector:** Oil resistant TPU body material, Nylon or TPU contact carrier, spacings to VDE 0110 Group C
- Contacts:** Gold plated brass
- Coupling Nuts:** Nickel plated brass
- Cable:** See table
- Temperature:** -40°C to +105°C (-40°F to +221°F)
- Protection:** IEC IP67

Cable Length: Trunk - nominal 1 meter. Branches - nominal 0.3 meters. Other lengths available by request - consult factory.

Cable Options: Standard cable jacket - grey PVC. TPU and other jackets available by request - consult factory.

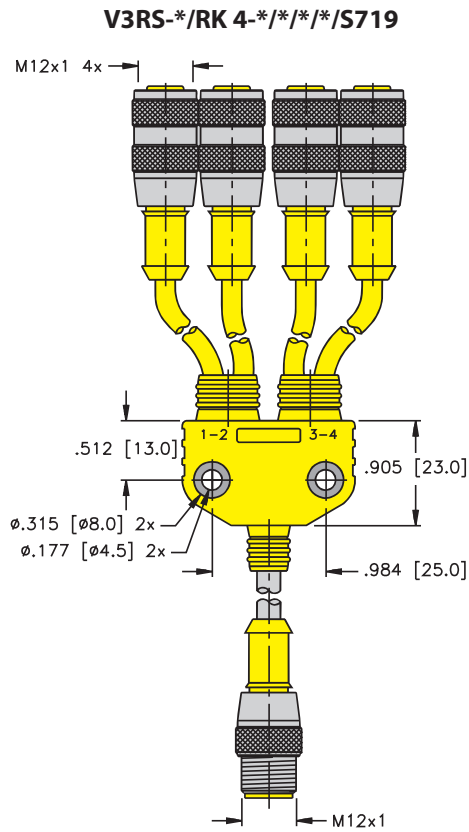
Connector Options: (for legs with cable)

Stainless steel coupling nut add "V" to part number (RS to RSV, RK to RKV).

Nylon coupling nut add "K" to part number (RS to RSK, RK to RKK).

Right angle connectors, change part number (RS to WS, RK to WK).

Notes: Mounting holes accept #8 screw.



Pinouts


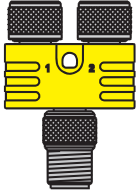
Female	Male
3-Pin	3-Pin

TURCK Splitters

M8 picofast® 2-Branch Compact Splitters, Standard and LED Wiring

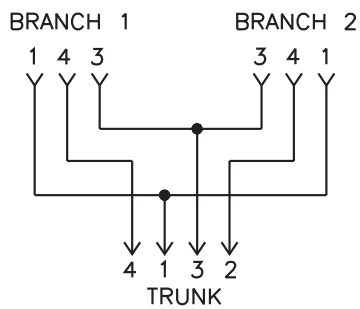
- Combine 2 Sensors into One Cable
- For Use on Cylinders and Other Dual-Input Applications
- Tough TPU Construction
- IEC IP67 Protection



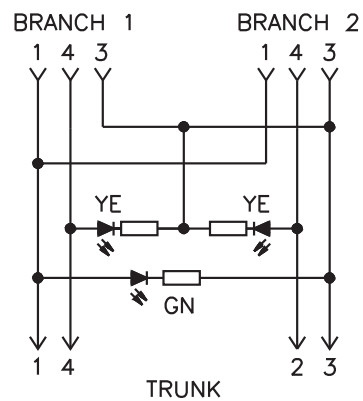
Housing	Part Number	Features	Wiring Diagram
	YP2-MFS 4/2MFK 3	125 V, 2 A, 2 picofast branches, 3-wire & 1 picofast trunk, 4-wire	Standard 3-wire
	YP2-PX2-MFS 4/2MFK 3	30 V, 2 A, 2 picofast branches, 3-wire & 1 picofast trunk, 4-wire, LEDs	LED 3-wire

Wiring Diagrams

Standard 3-wire



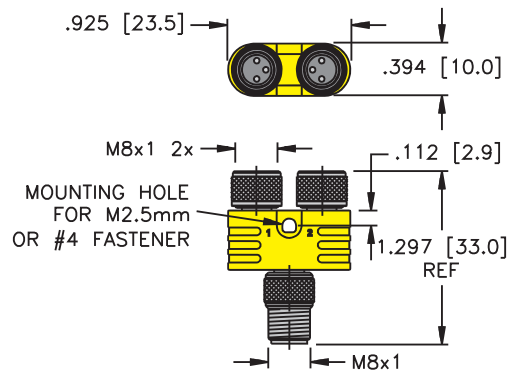
LED 3-wire



- Junction Body:** Oil resistant yellow TPU
- Connector:** Oil resistant TPU body material, Nylon or TPU contact carrier
- Contacts:** Gold plated brass
- Coupling Nuts:** Nickel plated brass
- Temperature:** -30°C to +80°C (-22°F to +176°F)
- Protection:** NEMA 1,3,4,6P and IEC IP67

Notes: Mounting hole accepts #4 screw.

YP2-(PX2)MFS4/2MFK3



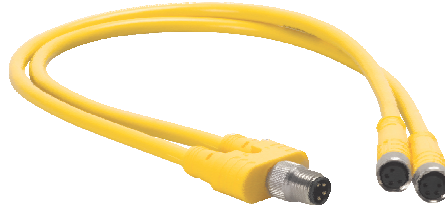
Pinouts

Female	Male
3-pin picofast	4-pin picofast

TURCK Splitters

M8 picofast® 2-Branch Compact Splitters, Standard and Parallel Wiring

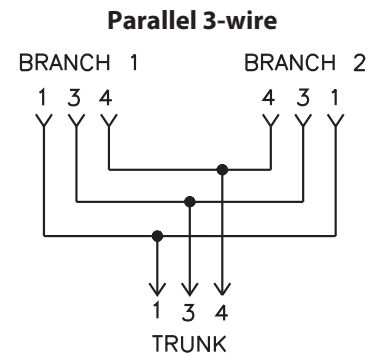
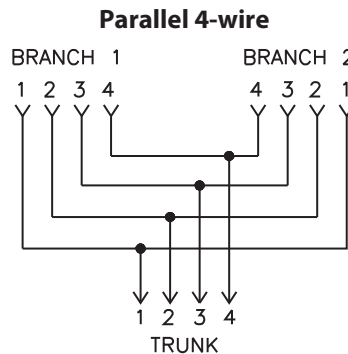
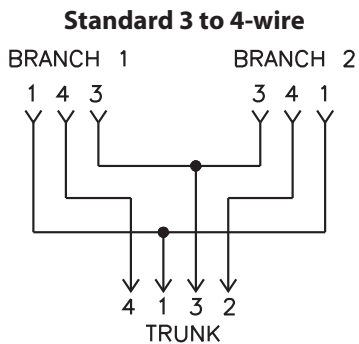
- Combine 2 Sensors into One Cable
- For Use on Cylinders and Other Dual Input Applications
- Tough TPU Construction
- IEC IP67 Protection



Housing	Part Number	Features	Wiring Diagram
	YP2-MFS3/2PKG3M-*/*/S651	125 V, 4 A, PKG 3M = Yellow PVC, 4.4 mm OD, 3x24 AWG, 2 <i>picofast</i> branches, 3-wire & 1 <i>picofast</i> trunk, 3-wire	Parallel 3-wire
	YP2-MFS4/2PKG3M-*/*	125 V, 2 A, PKG 3M = Yellow PVC, 4.4 mm OD, 3x24 AWG, 2 <i>picofast</i> branches, 3-wire & 1 <i>picofast</i> trunk, 4-wire	Standard 3 to 4-wire
	YP2-MFS4/2PKG4M-*/*/S651	125 V, 2 A, PKG 4M = Yellow PVC, 4.4 mm OD, 4x26 AWG, 2 <i>picofast</i> branches, 4-wire & 1 <i>picofast</i> trunk, 4-wire	Parallel 4-wire

* Length in meters.

Wiring Diagram



Junction Body:	Oil resistant yellow TPU
Connector:	Oil resistant TPU body material, Nylon or TPU contact carrier
Contacts:	Gold plated brass
Coupling Nuts:	Nickel plated brass
Cable:	See table
Temperature:	-40°C to +105°C (-40°F to +221°F)
Protection:	NEMA 1,3,4,6P and IEC IP67

Cable Length: Branches - nominal 0.3 meters. Other lengths available by request - consult factory.

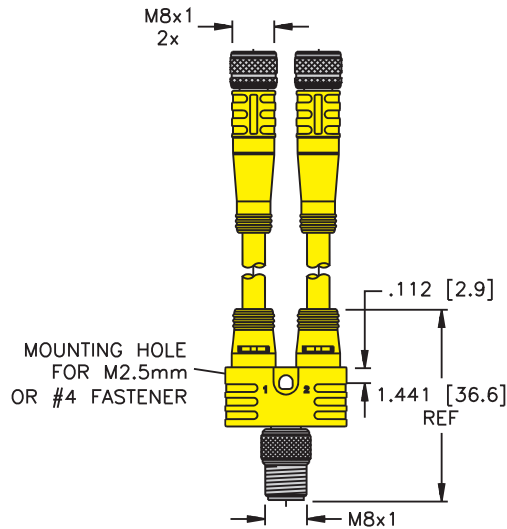
Cable Options: Standard cable jacket - grey/yellow PVC. TPU and other jackets available by request - consult factory.

Connector Options: (for legs with cable)

Stainless steel coupling nut add "V" to part number (PKG to PKGV, PSG to PSGV, RK to RKV).

Notes: Mounting hole accepts #4 screw.

YP2-MFS3(4)/2PKG3(4)M-*/*/(S651)



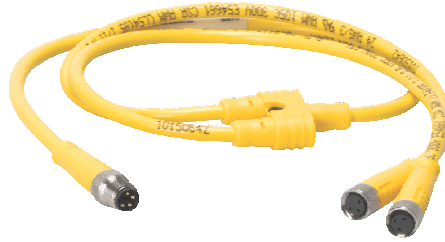
Pinouts

Female		Male	
3-pin picofast	4-pin picofast	3-pin picofast	4-pin picofast

TURCK Splitters

M8 picofast® 2-Branch Compact Splitters, Standard and Parallel Wiring

- Combine 2 Sensors into One Cable
- For Use on Cylinders and Other Dual Input Applications
- Tough TPU Construction
- IEC IP67 Protection

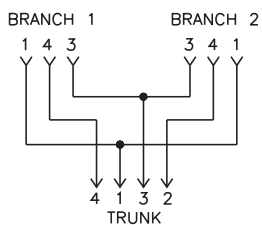


Housing	Part Number	Features	Wiring Diagram
	YP2-PSG3M-*/2PKG3M-*/*/S651	125 V, 4 A, PSG 3M & PKG3M = Yellow PVC, 4.4 mm OD, 3x24 AWG, 2 <i>picofast</i> branches, 3-wire & 1 <i>picofast</i> trunk, 3-wire	Parallel 3-wire
	YP2-PSG4M-*/2PKG3M-*/*	125 V, 2 A, PSG 4M = Yellow PVC, 4.4 mm OD, 4x26 AWG, PKG3M = Yellow PVC, 4.4 mm OD, 3x24 AWG, 2 <i>picofast</i> branches, 3-wire & 1 <i>picofast</i> trunk, 4-wire	Standard 3 to 4-wire
	YP2-PSG4M-*/2PKG4M-*/*/S651	125 V, 2 A, PSG 4M & PKG4M = Yellow PVC, 4.4 mm OD, 4x26 AWG, 2 <i>picofast</i> branches, 4-wire & 1 <i>picofast</i> trunk, 4-wire	Parallel 4-wire
	YP2-PSG6M-*/2PKG6M-*/*/S651	125 V, 2 A, PSG 6M & PKG 6M = Yellow PVC, 4.5 mm OD, 6x26 AWG, 2 <i>picofast</i> branches, 6-wire & 1 <i>picofast</i> trunk, 6-wire	Parallel 6-wire

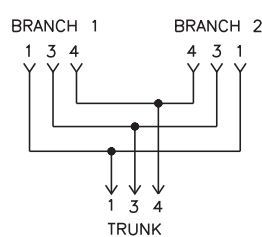
* Length in meters.

Wiring Diagrams

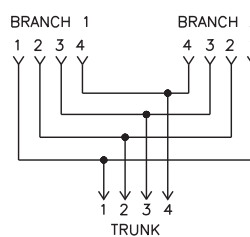
Standard, 3 to 4-wire



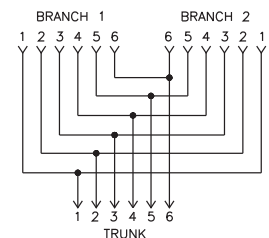
Parallel, 3-wire



Parallel, 4-wire



Parallel, 6-wire



Junction Body:	Oil resistant yellow TPU
Connector:	Oil resistant TPU body material, Nylon or TPU contact carrier
Contacts:	Gold plated brass
Coupling Nuts:	Nickel plated brass
Cable:	See table
Temperature:	-40°C to +105°C (-40°F to +221°F)
Protection:	NEMA 1,3,4,6P and IEC IP67

Cable Length: Trunk - nominal 1 meter. Branches - nominal 0.3 meters. Other lengths available by request - consult factory.

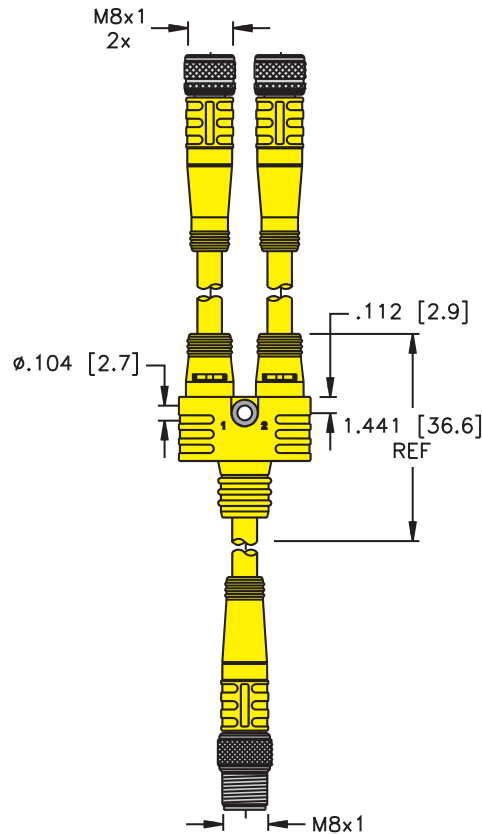
Cable Options: Standard cable jacket - grey/yellow PVC. TPU and other jackets available by request - consult factory.

Connector Options: (for legs with cable)

Stainless steel coupling nut add "V" to part number (PKG to PKGV, PSG to PSGV, RK to RKV).

Notes: Mounting hole accepts #4 screw.

YP2-PSG3(4,6)M-*/2PKG3(4,6)M-*/*(/S651)



Pinouts

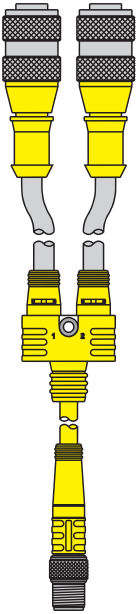
Female			Male		
3-pin picofast	4-pin picofast	6-pin picofast	3-pin picofast	4-pin picofast	6-pin picofast

TURCK Splitters

M8 picofast® 2-Branch Compact Splitters, Standard Wiring

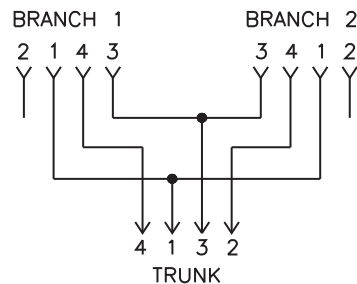
- Combine 2 Sensors into One Cable
- For Use on Cylinders and Other Dual-Input Applications
- Tough TPU Construction
- IEC IP67 Protection



Housing	Part Number	Features	Wiring Diagram
	<p>YP2-PSG4M-*/2RK4T-*/*</p>	<p>125 V, 2 A, PSG 4M = Yellow PVC, 4.4 mm OD, 4x26 AWG, RK 4T = Grey PVC, 5.1 mm OD, 3x20 AWG, 2 eurofast branches, 4-wire & 1 picofast trunk, 4-wire</p>	<p>Standard</p>

* Length in meters.

Wiring Diagram



- Junction Body:** Oil resistant yellow TPU
- Connector:** Oil resistant TPU body material, Nylon or TPU contact carrier, spacings to VDE 0110 Group C
- Contacts:** Gold plated brass
- Coupling Nuts:** Nickel plated brass
- Cable:** See table
- Temperature:** -40°C to +105°C (-40°F to +221°F)
- Protection:** NEMA 1,3,4,6P and IEC IP67

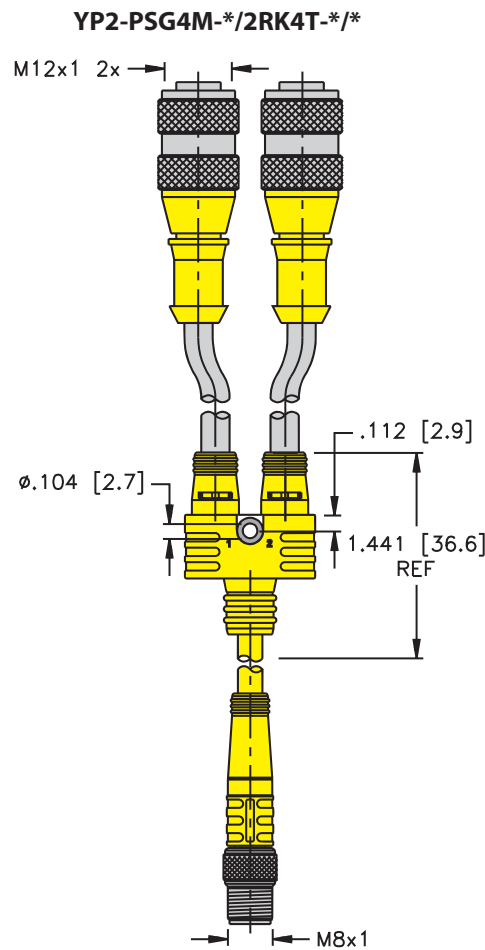
Cable Length: Trunk - nominal 1 meter. Branches - nominal 0.3 meters. Other lengths available by request - consult factory.

Cable Options: Standard cable jacket - grey/yellow PVC. TPU and other jackets available by request - consult factory.

Connector Options: (for legs with cable)

Stainless steel coupling nut add "V" to part number (PKG to PKGV, PSG to PSGV, RK to RKV).

Notes: Mounting hole accepts #4 screw.



Pinouts

Female	Male
4-pin eurofast	4-pin picofast

TURCK Splitters

M8 picofast® 4-Branch Splitters, Parallel Wiring

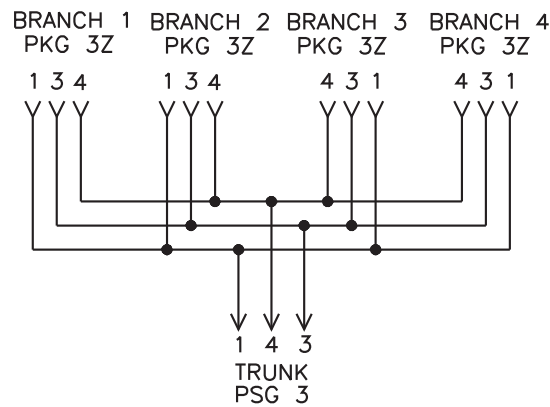
- For Use on Photoelectric Controls, Power Distribution and other Parallel-wired Applications
- Tough TPU Construction



Housing	Part Number	Features	Wiring Diagram
	V3PSG-*/PKG3Z-*/*/*/S651	125 V, 2.0 A, Yellow PVC, 4.4 mm OD, 3x24 AWG, parallel wired, 3 conductor	Parallel

* Length in meters.

Wiring Diagram



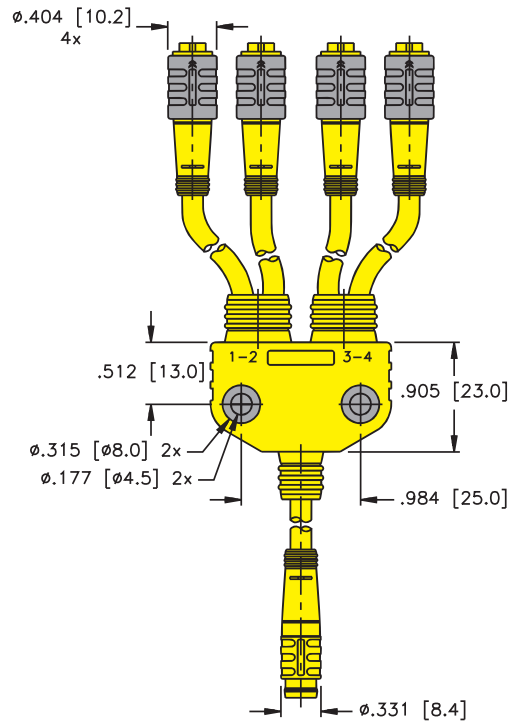
Junction Body:	Oil resistant yellow TPU
Connector:	Oil resistant TPU body material, Nylon or TPU contact carrier
Contacts:	Gold plated brass
Coupling Nuts:	Nickel plated brass
Cable:	See table
Temperature:	-40°C to +105°C (-40°F to +221°F)
Protection:	IEC IP67

Cable Length: Trunk - nominal 1 meter. Branches - nominal 0.3 meters. Other lengths available by request - consult factory.

Cable Options: Standard cable jacket - grey PVC. TPU and other jackets available by request - consult factory.

Notes: Mounting holes accept #8 screw.

V3PSG-*/PKG3Z-*/*/*/S651



Pinouts

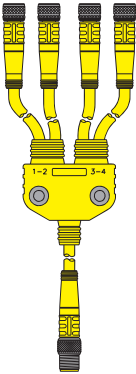
Female	Male
3-Pin	3-Pin

TURCK Splitters

M8 picofast® 4-Branch Splitters, Parallel Wiring

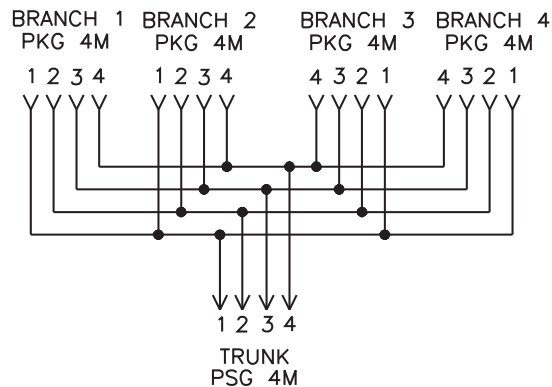
- For Use on Photoelectric Controls, Power Distribution and other Parallel-wired Applications
- Tough TPU Construction



Housing	Part Number	Features	Wiring Diagram
	<p>V4PSGM-*/PKG4M-*/*/*/S651</p>	<p>125 V, 2.0 A, yellow PVC, 4.4 mm OD, 4x26 AWG, parallel wired, 4 conductor</p>	<p>Parallel</p>

* Length in meters.

Wiring Diagram



Junction Body:	Oil resistant yellow TPU
Connector:	Oil resistant TPU body material, Nylon or TPU contact carrier
Contacts:	Gold plated brass
Coupling Nuts:	Nickel plated brass
Cable:	See table
Temperature:	-40°C to +105°C (-40°F to +221°F)
Protection:	IEC IP67

Cable Length: Trunk - nominal 1 meter. Branches - nominal 0.3 meters. Other lengths available by request - consult factory.

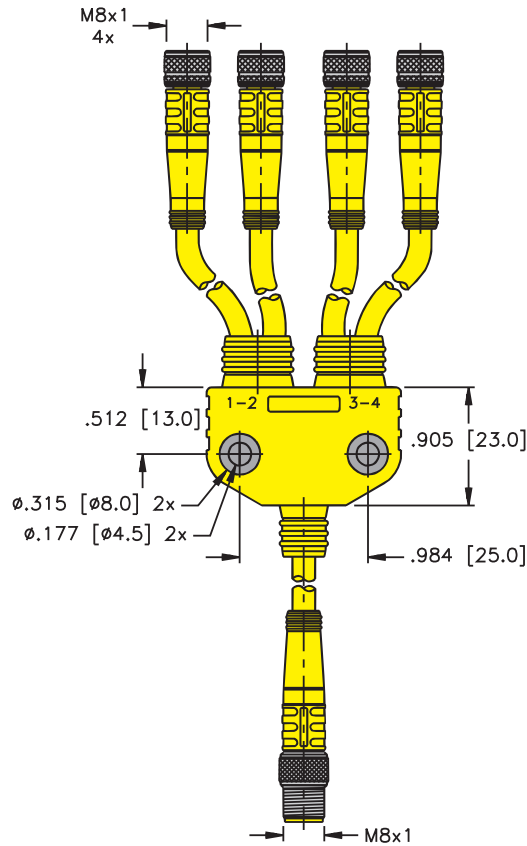
Cable Options: Standard cable jacket - grey PVC. TPU and other jackets available by request - consult factory.

Connector Options: (for legs with cable)

Stainless steel coupling nut add "V" to part number (PSG to PSGV, PKG to PKGV).

Notes: Mounting holes accept #8 screw.

V4PSGM-*/PKG4M-*/*/*/S651



Pinouts

Female	Male
4-Pin	4-Pin

TURCK Splitters

M8 *picofast*® to M12 *eurofast*® Adapters

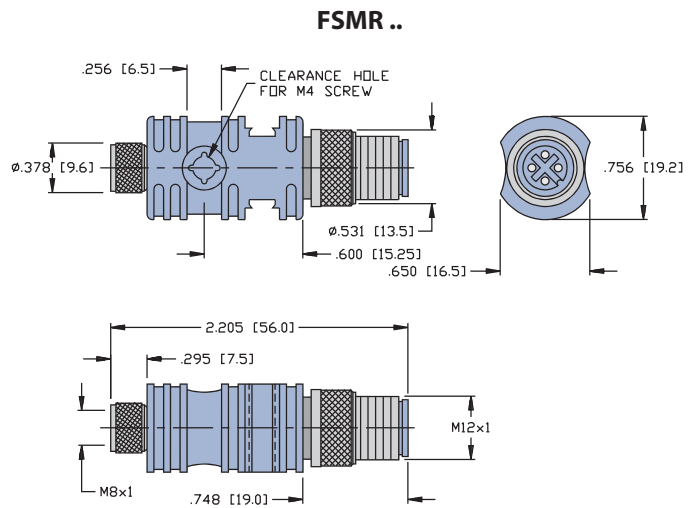
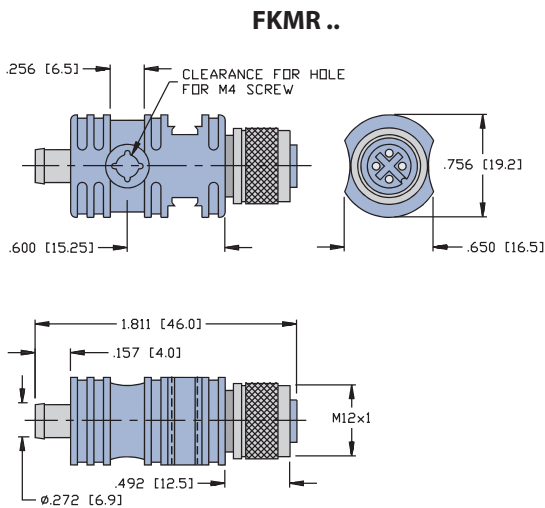
- Enables *picofast* and *eurofast* Connectors to Be Interchanged
- Compact Size Saves Space
- *eurofast* Connection has Anti-vibration Coupling Nut



Part Number	Features	Wiring Diagram
FKMR 4-ESM 3S	60 VAC / 75 VDC, 4.0 A, female <i>eurofast</i> , male snap-lock <i>picofast</i> connector, 3-pin	
FKMR 4.4-ESM 4S	30 VAC / 36 VDC, 4.0 A, female <i>eurofast</i> , male snap-lock <i>picofast</i> connector, 4-pin	
FSMR 4-SKM 3	60 VAC / 75 VDC, 4.0 A, male <i>eurofast</i> , female threaded <i>picofast</i> connector, 3-pin	
FSMR 4.4-SKM 4	30 VAC / 36 VDC, 4.0 A, male <i>eurofast</i> , female threaded <i>picofast</i> connector, 4-pin	

To add mounting hole; add /S857 to the end of the part number.

Junction Body: Oil resistant blue-gray TPU
Connector: Nylon or TPU contact holder
Contacts: Gold plated brass
Coupling Nuts: Nickel plated brass
Temperature: -30 C to +80 C (-22 F to +176 F)
Protection: NEMA 1, 3, 4, 6P and IEC IP67



Pinouts

Female			Male		
3-Pin picofast	4-Pin picofast	4-Pin eurofast	3-Pin picofast	4-Pin picofast	4-Pin eurofast

TURCK Splitters

multibox[®] 2 - Branch Molded Splitters

- Consolidate 2 Sensors/Actuators into One
- M8 *picofast*[®] or M12 *eurofast*[®] Connector Branches
- Tough TPU Construction
- IEC IP67 Protection
- NEMA 1, 3, 4



Drawing	Part Number	Features	Wiring Diagram
	YB2-FSM 4.5-2FKM 4.5 (Fits 8MB12 j-boxes)	2 <i>eurofast</i> branches, black TPU, 80°C, 30 VAC/36 VDC, 4 A, combine 2 sensors/actuators with <i>eurofast</i> connector branches into one	
	YB2-FSM 4.5-2FKM 4.5/S1063 (Fits VB J-boxes)	2 <i>eurofast</i> branches, grey TPU, 80°C, 30 VAC/36 VDC, 4 A, combine 2 sensors/actuators with <i>eurofast</i> connector branches into one	
	YB2-FSM 4.4/2PKG 3M	2 <i>picofast</i> branches, black TPU, 80°C, 30 VAC/36 VDC, 2 A, combine 2 sensors/actuators with <i>picofast</i> connector branches into one	
	YBZ2-FSM 4.5/2FKM 4.5/S771	2 <i>eurofast</i> branches, black TPU, 80°C, 30 VAC/ 36 VDC, 4 A, combine 2 sensors/actuators with <i>eurofast</i> connector branches into one	
	YBZ2-PX3-FSM 4.5/2FKM 4.5	2 <i>eurofast</i> branches, transparent TPU, 80°C, 36 VDC, 4 A, combine 2 sensors/actuators with <i>eurofast</i> connector branches into one, LEDs	

Standard coupling nut material is nickel plated brass.

Pinouts

Female		Male	
5-Pin <i>eurofast</i>	3-Pin <i>picofast</i>	5-Pin <i>eurofast</i>	4-Pin <i>eurofast</i>

TURCK Standards	W2
NRTL and RoHS	W3
Shielded Cordsets	W4
IP Protection Class, IEC, NEMA and NEMA 250	W5
Conversion Charts	W9
NEC	W10
Cable Applications	W11
Glossary	W14

TURCK Standards

One or more of the following standards may apply to products or components of products in this catalog. This section is intended to provide a reference to the applicable standards only. Original or facsimiles of the original standards documents should be used for interpretation. It is the responsibility of the user to determine the suitability of use of the products represented in this catalog.

ANSI/B93.55M

Generally defines the geometry and connection scheme of “mini” type connectors used in fluid power (valve) applications. It defines the numerical marking of the pins and the conductor size and colors for 3 and 5 pin versions. This specification was the basis for the so-called “automotive” standard conductor colors that are widely used on sensors.

CENELEC EN 50 044

Identifies connections for inductive proximity switches. The specification defines conductor colors for proximity switches with 2, 3, or 4 conductors. It also defines numerical marking of the terminals, whether quick disconnect, or not. **TURCK** sensors and recommended cordsets that apply within the scope of the standard comply with CENELEC EN 50 044. The conventions defined in this standard have been widely adopted in industry to include photoelectric controls and other related sensing devices.

CSA

The Canadian Standards Association is a not-for-profit membership-based association serving business, industry, government and consumers in Canada and the global marketplace.

Is the CSA mark valid across America?

Yes. CSA International is accredited by the Occupational Health and Safety Administration (OSHA) as a Nationally Recognized Testing Laboratory (NRTL). We test to the same American industry standards as other accredited laboratories, regardless of who authored or published the standard. CSA marks are recognized and accepted throughout America by federal, state and local authorities.

DIN 43650

Defines the geometry and other characteristics of the “square” connectors most frequently used on hydraulic and pneumatic solenoid valves and other devices in the fluid power industry.

MSHA

The Mine Safety and Health Administration - a US Government agency that ensures and regulates safety for mines and mine workers. The MSHA approval is required for products used in underground mines, including electrical equipment, power cords, and instrumentation components.

The MSHA standards require special fire-resistant properties and characteristics that prevent the propagation of flames.

IEC 61076-2-101

Defines the geometry and other characteristics of the M12x1 family of threaded connectors used to connect control and measurement devices in industrial environments

IEC 61076-2-104

Defines the geometry and other characteristics of the M8x1 family of threaded and snap connectors used to connect control and measurement devices in industrial environments

NRTL

Nationally Recognized Test Laboratory - An independent laboratory authorized by the US Government to perform product safety evaluations. Test laboratories must meet government laboratory standards, and are audited annually by OSHA to maintain this credential. UL standards are adopted by the US government and OSHA as being "Safety Standards", and these accredited labs then use the UL standards to perform product evaluations.

The Canadian Standards Association, (CSA) is authorized as a NRTL to perform product evaluations and tests to the UL Standards. The certification mark "CSA NRTL/C" is then applied to products that satisfy all construction and performance criteria for both US and Canada. This certification mark is generally accepted by local building, safety, and quality agencies as meeting safety, construction, and performance criteria in both the US and Canada.

RoHS (Restriction of Hazardous Substances in Electrical and Electronic Equipment)

In Europe, the RoHS directive is the legal basis for the ban of certain materials (lead and other specific heavy metals) in electric and electronic products. This directive must be adopted and implemented in Europe by July 1st, 2006.



This directive is geared towards high volume consumer goods. **TURCK** is not required to adopt the directive, but is affected by the legal requirements which prescribe that only lead-free products and components to be sold in Europe.

TURCK, however, is engaged in testing lead-free soldering and substitute substances/components in support of our commitment to the environment. The main issue we had to overcome to become RoHS compliant was our solder material that contained lead. We have tested and verified a RoHS approved solder material which was implemented as of May 1st, 2006 and a RoHS logo will be added to bag labels for those parts. Please be aware that there are certain products like PCBs and ITC/PLTC cable that will continue to contain restricted substances.

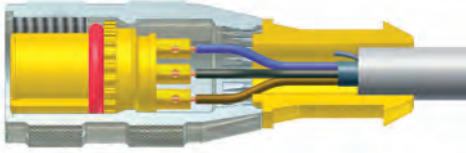
Shielded Cordsets

Whenever wire is used to transmit electrical data, it is possible for the wire to absorb external noise, possibly changing the characteristics of the electrical signal, or to give off noise that could cause changes in other electrical components that are near. Shielding is the act of placing conductive material between the potential noise emitters and receivers.

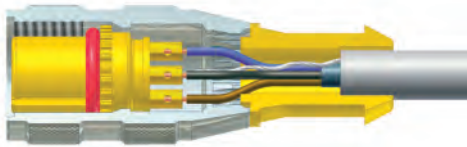
Electrical noise is usually classified as electro-magnetic interference (EMI) or radio frequency interference (RFI).

TURCK offers a number of shielding options:

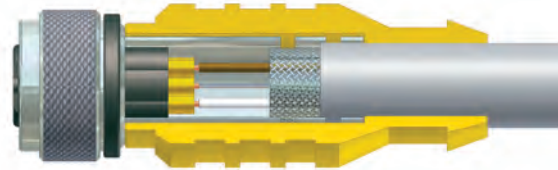
1. Foil shield with drain, drain not connected



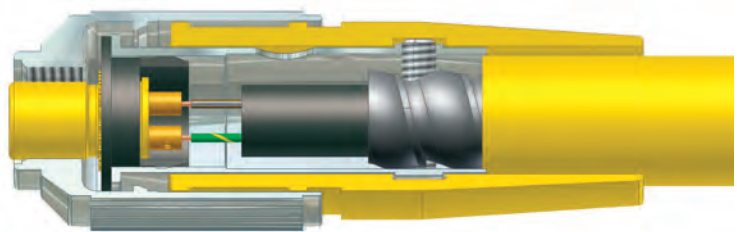
2. Foil shield with drain, drain connected to a pin



3. Foil and braid shield with shield tied to coupling nut



4. Aluminum armored cable with armor tied to coupling nut



For a shield to be effective, it must be tied to a ground at some point. It is usually preferred to not tie the shield to ground at more than one point to avoid ground loops. A shield not tied to a ground will reflect some noise and is better than no shield at all, but will be much more effective if tied to a ground.

High frequency noise, RFI, is handled well with a foil shield. The wavelength of RFI is usually small and can pass through the 'holes' in a braided shield. EMI is usually larger wavelengths and needs a braided shield to increase the mass of shielding material to be effective.

Aluminum armored cables provide the ultimate in noise immunity as they are basically flexible conduit.

Select the shielded cordset that best meets your needs. If it is easier to tie the shield to ground inside the panel, the foil/drain with the drain not connected inside the cordset is a good choice. If you can connect the drain via a pin inside the device being connected, the foil/drain with the drain connected to a pin is a good choice. Any environments with EMI noise from things like large motors or welding equipment will benefit from a braided shield tied to the coupling nut.

TURCK shielded cordsets with the shield tied to the coupling nut offer complete shielding for the entire length of the cordset. A metal sleeve inside the molded body connects the braid/foil shield of the cable to the metal coupling nut with no loss of shielding potential.

TURCK armored cordsets are the ultimate in shielded connectors. A **TURCK** patented process allows the interlocked aluminum armor to be connected directly to the coupling nut offering the same protection as running conductors inside metal conduit.

IP Protection Class

IP		Dust Protection						
		0_ Unprotected	1_ Objects ≥50mm	2_ Objects ≥12.5mm	3_ Objects ≥2.5mm	4_ Objects ≥1.0mm	5_ Dust Protected	6_ Dust Tight
Water Protection	_0 Unprotected	IP 00	IP 10	IP 20	IP 30	IP 40	IP 50	IP 60
	_1 Dripping Water		IP 11	IP 21	IP 31	IP 41	IP 51	IP 61
	_2 Dripping Water on 15° slant		IP 12	IP 22	IP 32	IP 42	IP 52	IP 62
	_3 Spraying Water			IP 23	IP 33	IP 43	IP 53	IP 63
	_4 Splashing Water				IP 34	IP 44	IP 54	IP 64
	_4K Splashing Water High Pressure				IP 34K	IP 44K	IP 54K	IP 64K
	_5 Jet Water						IP 55	IP 65
	_6 Intense Jet Water						IP 56	IP 66
	_6K Intense Jet Water High Pressure						IP 56K	IP 66K
	_7 Temporary immersion							IP 67
	_8 Continuous immersion as specified by manufacturer							IP 68
	_9K Water at high pressure/Steam jet cleaning							IP 69K

Reference Section

Ingress Protection Classes- IEC 60529

First ID Number	Protection from penetration of...	Requirements
0	Unprotected	N/A
1	Solid Foreign Particles Ø50 mm	No full penetration of sphere with Ø50 mm
2	Solid Foreign Particles Ø12.5 mm	No full penetration of sphere with Ø12.5 mm
3	Solid Foreign Particles Ø2.5 mm	No penetration of rod with Ø2.5 mm
4	Solid Foreign Particles Ø1.0 mm	No penetration of wire with Ø1.0 mm
5	Dust	Dust may only penetrate in such quantity that function and safety are not impacted
6	Dust	No penetration of dust

Second ID Number	Protection from penetration of...	Requirements
0	Unprotected	N/A
1	Dripping water	Vertically falling drips may not cause any damage
2	Dripping water when the enclosure is in a slanted position of up to 15°	Vertically falling drips may not cause any damage
3	Spraying water	Spraying water, which is sprayed in a perpendicular angle of up to 60° may not cause any damage
4	Splashing water	Water splashing against the enclosure from every direction may not cause any damage
4K	Splashing water with increased pressure	Water splashing against the enclosure from every direction and with increased pressure may not cause any damage
5	Jet water	Water which is hosed against the enclosure from every direction may not cause damage
6	Intense jet water	Water which is hosed against the enclosure with high intensity may not cause any damage
6K	Intense jet water with increased pressure	Water which is hosed against the enclosure with high intensity and increased pressure may not cause any damage
7	Temporary immersion in water	Water may not enter the enclosure in such quantity as to cause damage when the enclosure is held under water for a set period of time using predetermined pressure (1 m for 30 min)
8	Continuous immersion in water	Water may not enter the enclosure in such quantity as to cause damage when the enclosure is held under water for a set period of time using predetermined pressure (TURCK standard is 6' of water, and other chemicals, for a period of 24 hours)
9K	Water at high-pressure/steam jet cleaning	Water which is directed against the enclosure from every direction with extremely high pressure may not cause any damage (14 to 16 l/min at 8,000 to 10,000 kPa)

NEMA Standards

NEMA		NEMA 1	NEMA 2	NEMA 12	NEMA 13	NEMA 3	NEMA 3R	NEMA 4	NEMA 4X	NEMA 6	NEMA 6P
Rating Type		Indoor				Outdoor		Indoor/Outdoor			
Protection against:	Test Number										
Incidental Contact	6.2	•	•	•	•	•	•	•	•	•	•
Falling Dirt	6.2	•	•	•	•	•	•	•	•	•	•
Rust	6.8	•		•	•	•	•	•	•	•	•
Circulating Dust, Lint, Fibers (nonhazardous)	6.5.1.2(2)			•	•	•		•	•	•	•
Windblown Dust	6.5.1.1(2)					•		•	•	•	•
Falling Liquids/Light Splashing	6.3.2.2		•	•	•	•		•	•	•	•
Rain	6.4.2.1					•	•	•	•	•	•
Rain	6.4.2.2					•		•	•	•	•
Snow and Sleet	6.6.2.2					•	•	•	•	•	•
Hose Down and Splashing Water	6.7							•	•	•	•
Occasional Prolonged Submersion	6.11(2)									•	•
Oil and Coolant Drip	6.3.2.2			•	•						
Oil and Coolant, Spray/Splash	6.12				•						
Corrosive Agents	6.9					•	•		•		•

NEMA 250 Test Definitions

6.2 Rod Entry Test - a ½" diameter rod may not enter the enclosure and a 1/8" rod cannot enter within 4" of live components

6.3 Drip Test - 20 drops per minute for 30 minutes with no water entering enclosure 6.3.2.2 Evaluation, no water shall enter enclosure

6.4 Rain Test - All exposed surfaces are sprayed with 5 psi of water for 60 minutes at a rate of 18" per hour rise in a straight sided pan 6.4.2.1 Evaluation, No water shall have reached live parts, insulation, or mechanisms 6.4.2.2 Evaluation, No water shall have entered enclosure

6.5.1.1 (2) Outdoor Dust Test (alternate method) - Stream of water at 45 gallons per minute from a 1" diameter nozzle, from all directions at a distance from 10' to 12'. Test time is a minimum of 5 minutes. No water shall enter enclosure.

6.5.1.2 (2) Indoor Dust Test (alternate method) - Atomized water at 30 psi is sprayed from all directions from a distance of 12" to 15" at a rate of 3 gallons per hour. No water shall enter enclosure.

6.6 External Icing Test - The enclosure is sprayed with water between 0°C and 3°C in a room at 2°C. The spray is between 1 and 2 gallons per hour per square foot. Spray for 1 hour. The room temp is then dropped to between -7°C and -3°C with the spray still going. Ice needs to build up on a test bar at a rate of 1/4 inch per hour. Spray continues until 3/4 inch of ice is on the enclosure. Room temperature is maintained for at least 3 hours. 6.6.2.2 Evaluation, enclosure is undamaged after ice has melted.

6.7 Hose down Test - Stream of water at 65 gallons per minute from a 1" diameter nozzle from all angles at a distance of 10' to 12'. Test time is 48 seconds times (height + width + depth of enclosure in feet) or a minimum of 5 seconds. No water shall enter enclosure.

6.8 Rust Resistance Test - only applicable to enclosures incorporating external ferrous parts

6.9 Corrosion Protection - Test per UL 508, 6.9 or 6.10.

6.11 (2) Air Pressure Test (alternate method) - Enclosure is submerged in water at a pressure equal to a depth of 6' for 24 hours. No water shall enter enclosure.

6.12 Oil Exclusion Test - Stream of test liquid at 2 gallons per minute from a 3/8" nozzle for 30 minutes. Water with 0.1% wetting agent is directed from all angles from a distance of 12" to 18". No test liquid shall enter the enclosure.

Conversion Chart		
AWG to Metric		
AWG	Diameter (mm)	Section (mm ²)
8	3.26	10
10	2.59	6
12	2.05	4
14	1.63	2.5
16	1.29	1.5
18	1.024	0.75
20	0.813	0.5
22	0.643	0.34
24	0.511	0.25
26	0.405	0.14
28	0.32	0.05
30	0.255	0.05

Thread Conversion Chart	
PG to Metric	
PG	Diameter (mm)
7	12
9	16
11	20
16	25

Cable Length Tolerance Chart	
All Lengths	+4% or 50 mm, whichever is greater than -0 mm
Strip Length	Tolerance(mm)
0-7 mm	±0.5 mm
8-29 mm	±1.0 mm
30-49 mm	±2.0 mm
50-69 mm	±3.0 mm
70-100 mm	±4.0 mm
Over 100 mm	±5.0 mm

Installing Cable Products in Accordance with the National Electrical Code (NEC)

The NEC is a set of guidelines for installation of electrical devices, including cables, meant to reduce the risk of electrical shock, fire, etc. The NEC is simply a code and local laws may or may not require installation based on the NEC. Check local laws for applicability.

The NEC generally does not cover cables installed inside a machine. Any cables installed in an exposed manner, on the outside of a machine or from one machine to something else, must be an approved type and installed in accordance with the appropriate NEC articles.

UL (Underwriters Laboratory) and CSA (Canadian Standards Association) are the primary sources in North America for approving cables to specific standards. While a cable installed within a piece of machinery does not fall under the NEC, most people want to install an approved cable. **TURCK** cables have both UL and CSA approvals. Many of these approvals are the UL AWM (Appliance Wiring) approvals and are acceptable for use in a UL approved device. A UL Listed cable may be installed outside a machine per the NEC standards. UL Listed cables available from **TURCK** include NEC designations for hard duty cables (SOOW, SJOOW, STOOW, SEOW), armored cables (MC), and tray-rated cables (PLTC, ITC).

Hard duty cables designations are:

S - Service Grade (600V)

SJ - Service Grade Junior (300V)

ST - Service Grade Thermoplastic (600V)

SE - Service Grade Thermoplastic Elastomer (600V)

O - Oil resistant jacket material

OO - Oil resistant jacket and conductor insulation

W - Weather proof

TURCK armored cables are available in 3 different configurations. Type MC cables, type MC cables with ITC/PLTC approvals and simply ITC/PLTC approved. Armored cables with ITC/PLTC approvals may be installed in an exposed run without being offered additional mechanical protection.

Tray-rated cables from **TURCK** include Instrument Tray Cable (ITC) and/or Power Limited Tray Cable (PLTC) or Tray Cable-Exposed Run (TC-ER).

TURCK NEC type approved cables are dual listed with other UL type approvals. For example, the RKM 126-*M cordset has a 12 conductor 16 AWG cable with UL AWM 600V approval and ITC/PLTC approval.

Please refer to the NEC and local laws for specific installation requirements based on your environment.

Cable Applications

Proper management of cabling systems can mean the difference between a dependable and smooth operating installation and costly reoccurring down time. The suggestions outlined below illustrate some of the common sources of problems and provide simple and effective solutions.

Proper Bend Radius for Fixed and Moving Applications

Providing sufficient bend radius will allow the cable to absorb the energy of bending over a greater portion of its length, increasing its effective working life. Small increases in the radius of the bend can produce substantial increases in cable life.

Minimum bend radius for Fixed Applications:
Standard cable - 5x cable diameter
armorfast® cable - 12x cable diameter

Minimum bend radius for Moving Applications:
Standard cable - 10x cable diameter
armorfast® cable - 15x cable diameter



Eliminating Stress Points in Cable Dress

Installing cables to allow for adequate stress loops and freedom of motion increase the life of the cables. **TURCK** cordsets incorporate molded strain reliefs that will assist in preventing stress.

Tie Down Loops

Strain Relief

Correct

Incorrect

Correct

Incorrect



Reference Section

Cable Bundling Techniques

When bundling several cables together, always keep the bundle loose enough to move within itself. Tightly tied bundles create both compression and tension stresses when the bundle is moved.

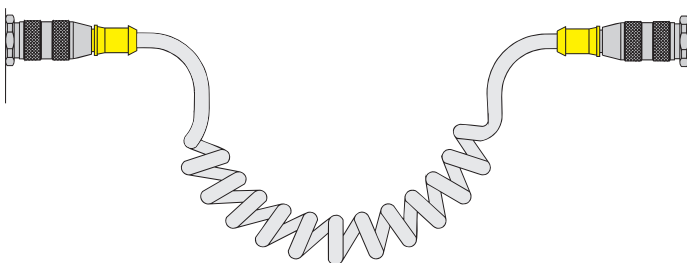
Correct

Incorrect

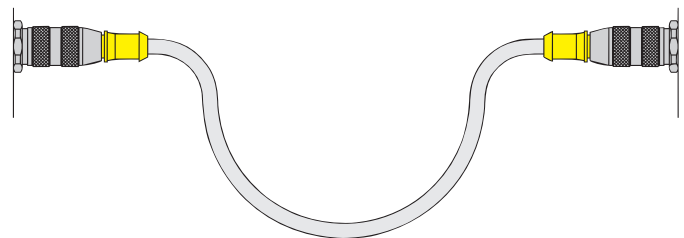
Cabling for Motion Applications

Where cabling is subjected to linear, angular or rotational motion between two points, always allow adequate cable length to absorb the energy imparted by the motion. Use of coiled cords, mechanical support mechanisms, or large, well supported cable loops will maximize cable life.

Coil Cord



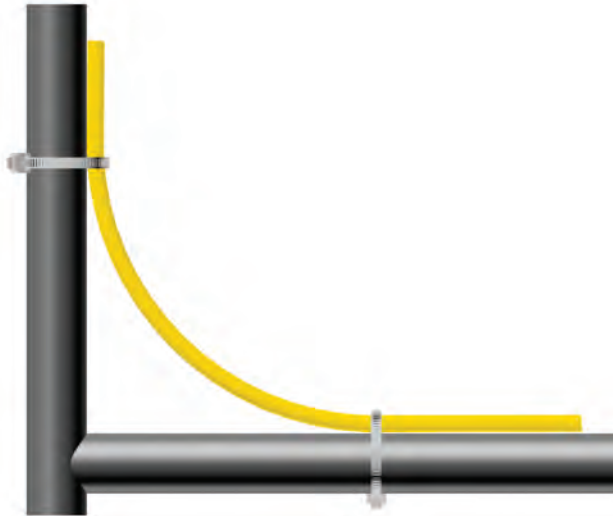
Cable Loop



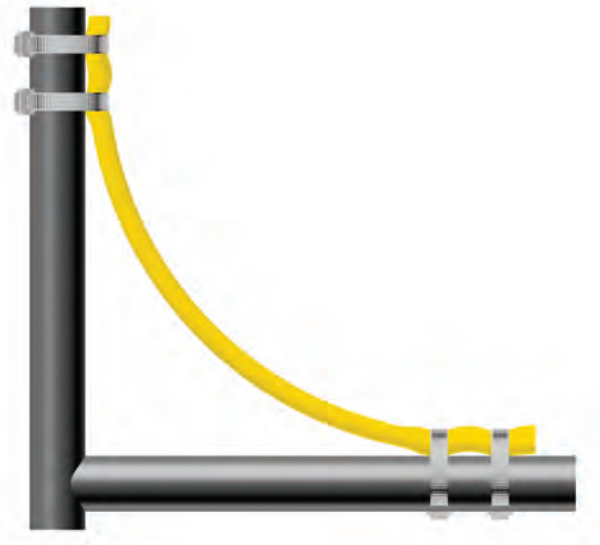
Tying Cables with Cable Ties

When tying cable with self locking cable ties, always leave the ties loose enough for the cables to slide freely under the tie. Over tightening will create stress concentrations that can cause the conductors to fail prematurely. Never tighten the tie to the point where the cable jacket becomes deformed or pinched.

Correct



Incorrect



Note: Do not use tools to tighten coupling nut. Hand-tighten only!!

Glossary of Terms

Abrasion Resistance

Ability of wire, cable or material to resist surface wear.

AC Alternating Current

Current in which the charge-flow periodically reverses and is represented by: $I = I_0 \cos(2\pi f t + \phi)$ [$I = I_m \cos(\omega t + \phi)$] where I is the current, I_0 is the amplitude, f the frequency, ϕ the phase angle.

Ambient Temperature

The temperature of a medium (gas or liquid) surrounding an object.

Ampere (A)

The unit of current. One ampere is the current flowing through one ohm of resistance at one volt potential.

ANSI

Abbreviation for American National Standards Institute.

Armorfast

Cordset with metal clad cable (NEC type MC)

Armored Cable

A cable provided with a wrapping of metal for mechanical protection.

AWG (American Wire Gauge)

The standard system used for designating wire diameter. The lower the AWG number, the larger the diameter. Also called the Brown and Sharpe (B&S) wire gauge.

AWM (Appliance Wiring Material)

A UL designation covering insulated wire and cable for internal wiring of appliances and equipment.

Binder

A spirally served tape or thread used for holding assembled cable components in place awaiting subsequent manufacturing operations.

Braid

A fibrous or metallic group of filaments interwoven in cylindrical form to form a covering over one or more wires.

Cable

A stranded conductor with or without insulation and other coverings (single-conductor cable), or a combination of conductors (multiple-conductor cable).

Color Code

Wire or circuit identification by color, utilizing solid colors, tracers, braids, surface printing, etc.

Contact Holder

Insulating device that holds the contacts in their proper position

Conductivity

The ability of a material to allow electrons to flow, measured by the current per unit of voltage applied. It is the reciprocal of resistivity.

Conductor

A wire (or combination of wires not insulated from one another) suitable for carrying electric current.

Conduit

A tube or trough in which insulated wires and cables are run.

Connector

A device used to provide rapid connect / disconnect service for electrical cable and wire terminations.

Contact

The parts of a connector that actually carry the electrical current and that are touched together or separated to control the flow.

Cable

A multiconductor cable made for operation in control circuits.

Cordset

Portable cord fitted with a wiring device at one or both ends.

Cord

A small, flexible insulated cable.

CPE (Chlorinated Polyethylene)

A flexible material with high tear strength and good resistance to most inorganic chemicals. It is inherently difficult to ignite. A Thermoset plastic.

Creepage

The conduction of electricity across the surface of a dielectric.

Crimp Termination

A connection in which a metal sleeve is secured to a conductor by mechanically crimping the sleeve with pliers, presses or automated crimping machines.

Current (I)

The rate of transfer of electricity. Practical unit is the ampere, which represents the transfer of one coulomb per second. In a simple circuit, current (I) produced by a cell or electromotive force (E) when there is an external resistance (r) and internal resistance (R) is: $I = E / (R + r)$

Current Carrying Capacity

The maximum current an insulated conductor can safely carry without exceeding its insulation and jacket temperature limitations.

Cut-Through Resistance

The ability of a material to withstand mechanical pressure, usually a sharp edge or small bending radius, without separation.

Dielectric Strength

The voltage that an insulator can withstand before breakdown occurs. Usually expressed as a voltage gradient (such as volts per mil).

Direct Current (DC)

An electric current that flows in only one direction.

Drain Wire

In a cable, the bare wire laid over the component or components and used as a ground connection.

Earth

British terminology for zero-reference ground.

EPDM

Ethylene-propylene-diene monomer rubber. A material with good electrical insulating properties. A Thermoset plastic.

euromast[®]

M12 threads, single key, 2 - 6, 8, 10, 12 pin

Extruded Cable

Cable with conductors that are uniformly insulated and formed by applying a homogeneous insulation material in a continuous extrusion process.

Fillers

Non-conducting components cabled with the insulated conductors or optical fibers to impart roundness, flexibility, tensile strength, or a combination of all three, to the cable.

firefast[®]

High temperature protective sleeving.

flexlife-10[®]

Unique cable designed for robotic and other continuous motion applications

Ground

An electrical connection to the earth, generally through a ground rod. Also a common return to a point of zero potential, such as the metal chassis of equipment.

Glossary of Terms

Ground Loop

A completed circuit between shielded pairs of a multiple pair created by random contact between shields. An undesirable circuit condition in which interference is created by ground currents when grounds are connected at more than one point.

Ground Potential

The potential of the earth. A circuit, terminal or chassis is said to be at ground potential when it is used as a reference point for other potentials in the system.

Hygroscopic

Capable of absorbing moisture from the air.

IEC

European Standardization agency; International Electrotechnical Commission.

Input

A signal (or power) which is applied to a piece of electrical apparatus or the terminals on the apparatus to which a signal or power is applied.

Insulation

A material having good dielectric properties that is used to separate close electrical components, such as cable conductors and circuit components.

ITC

Instrument Tray Cable. NEC classification for cable resistant to the spread of fire and suitable for use in cable trays. 150 V rating.

Irradiation

In insulation, the exposure of the material to high-energy emissions for the purpose of favorably altering the molecular structure.

Jacket

Pertaining to wire and cable, the outer protective covering, may also provide additional insulation.

LED

Light Emitting Diode used to indicate device status.

Line Voltage

The value of the potential existing on a supply or power line.

Load

A device that consumes power from a source and uses that power to perform a function.

MC

Metal Clad Cable. NEC classification for cable resistant to crush and impact based on an outer covering of metal.

microfast®

½"-20UNF threads, dual key, 2-6 pin

minifast®

7/8"-16UN threads, 2 - 6 pin

minifast B size

1"-16UN threads, 6-8 pin

minifast C size

1 1/8"-16UN threads, 9, 10, 12 pin

Moisture Resistance

The ability of a material to resist absorbing moisture from the air or from water when immersed.

Molded Plug

A connector molded onto either end of a cord or cable.

MOV

Acronym for Metal Oxide Varistor. A

solid state device used to suppress voltage surges \ spikes

MSHA

Mine Safety and Health Administration

multibox®

Junction boxes, 4, 6, 8 and 16 port

multifast

M23 threads, 12, 16 and 19 pin or M27 threads, 26 and 28 pin

Mylar

DuPont trademark for polyester film.

National Electrical Code (NEC)

A set of regulations governing construction and installation of electrical wiring and apparatus in the United States, established by the American National Board of Fire Underwriters.

NEMA

National Electrical Manufacturers Association.

Neoprene

A synthetic rubber with good resistance to oil, chemical, and flame. Also called polychloroprene. A Thermoset plastic.

Noise

In a cable or circuit, any extraneous signal that tends to interfere with the signal normally present in or passing through the system.

NPN Output

Transistor output that switches the common or negative voltage to the load (current sinking). Load connected between output and positive supply.

Ohm (Ω)

The electrical unit of resistance. The value of resistance through which a potential difference of one volt will maintain a current of one ampere.

Ohm's Law

$E = I \times R$. Voltage (E) is directly proportional to the product of current (I) and resistance (R) of circuit.

Output

The useful power or signal delivered by a circuit or device.

PA (Polyamide, Nylon)

An abrasion-resistant thermoplastic with good chemical resistance, also known as polyamide.

pentafast®

M5 threads, 3 and 4 pin

picofast®

Snap lock or M8 threads, 3, 4 and 6 pin

Plastic

High-polymeric substances, including both natural and synthetic products, but excluding the rubbers, that are capable of flowing under heat and pressure.

Plug

A connector associated with being attached to a cable.

PLTC

Power Limited Tray Cable. NEC classification for cable resistant to the spread of fire and suitable for use in cable trays. 300 V rating.

PNP Output

Transistor output that switches the positive voltage to the load (current sourcing). Load connected between output and common.

Glossary of Terms

POM (Polyoxymethylene, Acetal, Delrin)

Polyoxymethylene - a crystalline thermoplastic polymer with a high melting point. It is suitable for mechanical parts or electrical insulators that require structural strength at above normal temperatures.

Potting

The sealing of a cable termination or other component with a liquid that thermosets into an elastomer.

PUR (Polyurethane)

Broad class of polymers noted for good abrasion and solvent resistance.

PVC (Polyvinyl Chloride)

A general-purpose thermoplastic widely used for wire and cable insulation and jackets.

powerfast[®]

1 3/8"-16 threads, 2, 3 and 4 pin or M23 threads, 6, 7 and 9 pins or M40 threads, 4-pin.

Resistance[®])

A measure of the difficulty in moving electrical current through a medium when voltage is applied. It is measured in ohms.

Retractable Cord

A cord having a specially treated jacket or insulation so that it will retract like a spring. Retractility may be added to all or part of a cord's length.

RoHS

(Restriction of Hazardous Substances) See page S2.

Rubber

A general term used to describe wire insulation made of thermosetting elastomers, such as natural or synthetic rubbers, neoprene, Hypalon, CPE butyl rubber and others.

Serve

A filament or group of filaments such as fibers or wires, wound around a central core.

Shield

In cables, a metallic layer placed around a conductor or group of conductors to prevent electrostatic or electromagnetic interference between the enclosed wires and external fields.

Signal

Any visible or audible indication that can convey information. Also, the information conveyed through a communication system.

SJOOW

Junior hard service, rubber insulated, portable cord with oil resistant rubber outer jacket. Stranded copper conductors with separator and individual oil and water resistant rubber insulation. Two or more color coded conductors cabled with filler, wrapped with separator and rubber jacketed overall. 300 V.

Solid Conductor

A conductor consisting of a single wire.

Solid State

Pertains to circuits and components using semiconductors without moving parts. Example: transistors, diodes, SCR, etc.

SOOW

Heavy duty, rubber-insulated portable cord with oil resistant rubber outer jacket. Stranded copper conductors with separator and individual oil and rubber insulation. Two or more color-coded conductors cabled with filler, wrapped with separator and rubber jacketed overall. 600 V.

STOW

Heavy duty, PVC insulated, portable cord with oil resistant PVC outer jacket. Stranded copper conductors, PVC insulation. Two or more color coded conductors cabled with filler, wrapped with separator and PVC jacketed overall. Approved for outdoor use. 600 V.

Stranded Conductor

A conductor composed of groups of wires twisted together.

Temperature Rating

The maximum temperature at which a material may be used in continuous operation without loss of its basic properties.

Thermoplastic

A material that will soften, flow or distort appreciably when subjected to heat and pressure.

Thermoset

A material that hardens or sets when heat is applied, and which, once set, cannot be re-softened by heating. The application of heat is called "curing".

TPE

Thermo Plastic Elastomer. Broad class of polymers noted for flexibility and weld slag resistance.

TPR

Thermo Plastic Rubber. Another name for TPE.

Twisted Pairs

A cable composed of two small, insulated conductors twisted together without a common covering.

Versafast[™]

M16 threads, 5, 6, 7, 8, 12, 14 and 19 pin

V*fast[®]

DIN 43650, type A, B, I and C

VDE

German approval agency.

Volt (V)

A unit of electrical pressure. One volt is the electrical pressure that will cause one ampere of current to flow through one ohm of resistance.

Voltage

The term most often used in place of electromotive force, potential difference, or voltage drop. Designates the electric pressure existing between two points that is capable of producing a current when a closed circuit is connected between these points.

Voltage Rating

The highest voltage that may be continuously applied to a wire in conformance with standards or specifications.

VW-1

A flammability rating established by Underwriters Laboratories for wires and cables that pass a specially designed vertical flame test, formerly designated FR-1.

Wicking

The longitudinal flow of a liquid in a wire or cable due to capillary action.

Reelfast Index	X2
Standard Cable Selection Guide	X4
Armor Cable	X7
PVC Cable	X7
TPU Cable	X17
Rubber Cable	X21
XOR Cable	X22
TPE	X23
Polypropylene	X26

Features

- Bulk Wiring Control Cable
- Spooled in 30 m, 100 m, or 200 m lengths in self-feeding packages
- PUR, PVC, TPE, CPE jacket material to choose from
- PLTC rated cables, high flex and more



reelfast® Bulk Cable

We offer spooled cable in 30, 100 or 200 Meter lengths in self-feeding packages. All of our cordset pages have RF#'s in the specifications column which indicate the cable part number for the cable used in each cordset.

For example: RF04159-*M. Use this index to find the page number for detailed information on your cordset cable or turn to pages X4 - X6 for "Quick Selection Guides" to select the right cable for your application.

reelfast® Index

RF04106-*M X8	RF50596-*M X21	RF50733-*M X15	RF50937-*M X21
RF04449-*M X22	RF50597-*M X21	RF50734-*M X12	RF50940-*M X24
RF20003-*M X7	RF50598-*M X10	RF50735-*M X18	RF50941-*M X24
RF20017-*M X8	RF50601-*M X17	RF50741-*M X13	RF50943-*M X25
RF50511-*M X7	RF50602-*M X18	RF50744-*M X15	RF50954-*M X24
RF50512-*M X8	RF50606-*M X14	RF50751-*M X18	RF50957-*M X23
RF50513-*M X8	RF50607-*M X14	RF50752-*M X9	RF50958-*M X23
RF50516-*M X10	RF50608-*M X12	RF50753-*M X13	RF50967-*M X14
RF50518-*M X17	RF50609-*M X11	RF50755-*M X14	RF50968-*M X24
RF50520-*M X8	RF50610-*M X12	RF50761-*M X13	RF50982-*M X11
RF50521-*M X11	RF50611-*M X9	RF50767-*M X11	RF50983-*M X10
RF50526-*M X25	RF50613-*M X17	RF50772-*M X17	RF50984-*M X18
RF50528-*M X8	RF50614-*M X17	RF50773-*M X10	RF50985-*M X17
RF50529-*M X7	RF50620-*M X15	RF50795-*M X9	RF50986-*M X12
RF50530-*M X10	RF50624-*M X14	RF50801-*M X12	RF50987-*M X13
RF50531-*M X9	RF50625-*M X15	RF50805-*M X10	RF50988-*M X14
RF50532-*M X17	RF50626-*M X9	RF50810-*M X17	RF50990-*M X19
RF50535-*M X9	RF50630-*M X11	RF50813-*M X13	RF50991-*M X14
RF50536-*M X8	RF50631-*M X15	RF50814-*M X12	RF50995-*M X15
RF50537-*M X8	RF50636-*M X13	RF50815-*M X13	RF50996-*M X19
RF50538-*M X9	RF50637-*M X12	RF50816-*M X10	RF50997-*M X25
RF50539-*M X11	RF50642-*M X9	RF50817-*M X8	RF50998-*M X15
RF50540-*M X11	RF50644-*M X21	RF50818-*M X19	RF50999-*M X25
RF50543-*M X11	RF50646-*M X18	RF50822-*M X10	RF51000-*M X25
RF50544-*M X17	RF50649-*M X18	RF50823-*M X10	RF51001-*M X19
RF50545-*M X17	RF50650-*M X7	RF50828-*M X8	RF51002-*M X19
RF50547-*M X17	RF50653-*M X8	RF50829-*M X9	RF51003-*M X12
RF50548-*M X9	RF50654-*M X21	RF50832-*M X25	RF51004-*M X14
RF50549-*M X11	RF50656-*M X10	RF50836-*M X14	RF51005-*M X18
RF50551-*M X12	RF50657-*M X17	RF50843-*M X7	RF51006-*M X14
RF50552-*M X13	RF50658-*M X21	RF50844-*M X10	RF51009-*M X23
RF50553-*M X13	RF50659-*M X21	RF50845-*M X12	RF51011-*M X23
RF50555-*M X10	RF50662-*M X18	RF50870-*M X10	RF51013-*M X23
RF50556-*M X11	RF50669-*M X17	RF50873-*M X15	RF51015-*M X23
RF50561-*M X7	RF50674-*M X9	RF50880-*M X8	RF51017-*M X23
RF50563-*M X11	RF50676-*M X18	RF50882-*M X9	RF51019-*M X21
RF50565-*M X11	RF50677-*M X18	RF50884-*M X13	RF51020-*M X21
RF50566-*M X8	RF50678-*M X18	RF50909-*M X24	RF51021-*M X21
RF50567-*M X8	RF50679-*M X8	RF50910-*M X24	RF51022-*M X21
RF50571-*M X8	RF50680-*M X11	RF50910-30M X25	RF51023-*M X21
RF50575-*M X12	RF50682-*M X19	RF50911-*M X24	RF51030-*M X12
RF50576-*M X14	RF50684-*M X11	RF50913-*M X14	RF51031-*M X12
RF50577-*M X10	RF50697-*M X11	RF50914-*M X10	RF51032-*M X13
RF50578-*M X11	RF50698-*M X10	RF50915-*M X25	RF51033-*M X13
RF50579-*M X10	RF50713-*M X11	RF50916-*M X25	RF51034-*M X13
RF50580-*M X10	RF50715-*M X12	RF50917-*M X14	RF51035-*M X14
RF50585-*M X9	RF50716-*M X14	RF50922-*M X12	RF51039-*M X7
RF50586-*M X18	RF50718-*M X19	RF50923-*M X18	RF51040-*M X7
RF50587-*M X17	RF50723-*M X20	RF50926-*M X20	RF51041-*M X7
RF50590-*M X10	RF50728-*M X18	RF50928-*M X18	RF51042-*M X7
RF50595-*M X21	RF50729-*M X10	RF50935-*M X20	RF51043-*M X7

* Length in meters. Standard lengths are 30, 100 and 200 Meters.
Please consult factory for cables not listed.

reelfast® Index

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RF51049-30M. X24	RF51138-*M X18	RF51274-*M X23	RF51467-30M. X26
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RF51051-30M. X24	RF51140-*M X18	RF51279-M X9	RF51564-30M. X23
RF51052-*M X24	RF51141-*M X18	RF51286-30M. X11	RF51570-30M. X27
RF51053-*M X23	RF51142-*M X19	RF51287-30M. X13	RF51571-30M. X27
RF51059-*M X11	RF51144-*M X18	RF51288-30M. X13	RF51572-30M. X27
RF51061-30M. X16	RF51148-*M X24	RF51293-*M X15	RF51573-30M. X26
RF51069-*M X17	RF51149-*M X24	RF51313-30M X9	RF51574-30M. X27
RF51076-*M X14	RF51173-*M X24	RF51314-30M. X13	RF51575-30M. X26
RF51077-*M X24	RF51174-30M. X24	RF51359-30M. X26	RF51576-30M. X27
RF51078-*M X11	RF51190-30M. X14	RF51371-30M. X27	RF51602-30M. X27
RF51079-*M X12	RF51191-30M. X15	RF51375-30M. X27	RF51666-30M X9
RF51080-*M X13	RF51192-30M. X12	RF51440-30M. X26	RF51667-30M X8
RF51081-*M X13	RF51193-30M X9	RF51441-30M. X26	RF51668-30M X9
RF51082-*M X20	RF51197-*M X17	RF51442-30M. X26	RF51669-30M X8
RF51083-*M X12	RF51198-30M X8	RF51443-30M. X26	RF51671-30M X8
RF51084-*M X11	RF51203-30M. X13	RF51444-30M. X26	RF51672-30M X9
RF51085-*M X12	RF51204-30M. X12	RF51445-30M. X26	
RF51086-*M X12	RF51220-*M. X9	RF51446-30M. X26	
RF51087-*M X13	RF51232-*M X23	RF51447-30M. X26	
RF51088-*M X14	RF51253-*M. X9	RF51448-30M. X26	
RF51097-*M X14	RF51254-*M X17	RF51449-30M. X26	
RF51111-*M X24	RF51255-*M X10	RF51450-30M. X26	
RF51120-*M X25	RF51256-*M X17	RF51464-30M. X27	
RF51132-*M X23	RF51265-*M X23	RF51465-30M. X27	

* Length in meters. Standard lengths are 30, 100 and 200 Meters. Please consult factory for cables not listed.

Cable Selection Criteria (See pages X4 - X6 for Quick Selection Guides)

Ozone and UV resistance: Important consideration for cordsets being used outdoors.

Temperature: The range at which the cable can be used without degradation.

Cold Bend Test: The temperatures that still allow moderate flexing of cable without damage.

Abrasion Resistance: An important consideration if cable will be exposed to constant rubbing or a high probability of being cut by sharp objects.

Tensile Strength: Indicates how much force it takes to break insulation.

Burn Resistance: General information on how a cable would hold up when exposed to a flame or other hot material (weld slag).

Water Resistance: Important consideration if cable will be exposed to moisture, submersed or splashed

Cost: The relative cost of the cable, compared to other cables in this matrix.

Chemical Resistance: This is a general guide only. Please consult factory for specific chemical compatibility questions.

Standard Cable Selection Guide

Selection Criteria	PVC flexlife [®]	TPU flexlife (S90)	CPE Rubber flexlife (S600)	weldlife (S1587)	flexlife-20 [®] TPE (S101)	flexlife-20 TPU(S90/S101)
Page Number	X7 - X16	X17 - X19	X21	X23	X24 - X25	X20
Ozone and UV resistance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Temperatures	-40° to 105°C	-40° to 90°C	-50° to 105°C	-60° to 105°C	-60° to 105°C	-40° to 90°C
Cold Bend test	-40°C	-40°C	-55°C	-60°C	-60°C	-40°C
Abrasion & Cut-through resistance	Fair	Excellent	Excellent	Good	Good	Excellent
Flexing (# of cycles)	2 million	2 million	2 million	2 million	20 million+	20 million+
Burn resistance	Good	Excellent	Excellent	Good	Good	Excellent
Oxidation resistance	Excellent	Excellent	Good	Excellent	Excellent	Excellent
Water resistance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Cost	\$	\$\$	\$\$\$	\$\$	\$\$	\$\$
Weld Slag resistance	Poor	Good	Excellent	Excellent	Excellent	Good
Flame Test						
UL Test standards	Horizontal	Vertical Tray	Horizontal	Horizontal/Vertical Tray	Horizontal/Vertical Tray	Vertical Tray
CSA Test standards	FT1	FT4	FT1	FT1/FT4	FT1/FT4	FT4
Chemical Resistance						
Acids	Fair/Good	Good	Excellent	Good	Good	Good
Alkalines	Good	Excellent	Excellent	Excellent	Excellent	Excellent
Alcohols	Poor/Fair	Poor/Fair	Excellent	Excellent	Excellent	Poor/Fair
Most Solvents	Poor/Fair	Poor	Good	Poor	Poor	Poor
Oils	Good	Excellent	Excellent	Good	Excellent	Excellent
Gasoline	Poor	Poor	Poor	Poor	Poor	Poor
Greases	Good	Excellent	Excellent	Poor	Poor	Excellent
Available in Cordsets						
<i>eurofast</i> [®]	X	X	X	X	X	
<i>picofast</i> [®]	X	X		X	X	X
<i>minifast</i> [®]	X	X	X	X	X	
<i>microfast</i> [®]	X	X	X	X		
<i>multifast</i> [®]	X	X		X	X	X
<i>V*fast</i> [®]	X	X	X	X		

Specialty Cable Selection Guide

Selection Criteria	Armorfast MC/ITC	† ITC/PLTC PVC	† ITC/PLTC TPU	"Super Cable" S529	XOR	ITC/PLTC ER/DB PVC	ITC/PLTC ER/DB TPE
Page Number	X7	X7 - X16	X17 - X19	X25	X22		
Ozone and UV resistance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Temperatures	-25° to 105°C	-30° to 105°C	-60° to 105°C	-60° to 90°C	-40° to 80°C	-40° to 105°C	-60° to 105°C
Cold Bend test	-25°C	-30°C	-60°C	-60°C	-40°C	-40°C	-60°C
Abrasion & Cut-through resistance	Fair	Fair	Excellent	Excellent	Fair	Good	Very Good
Flexing (# of cycles)	2 million	2 million	2 million	2 million	2 million	2 million	2 million
Burn resistance	Fair/Good	Excellent	Excellent	Excellent	Good	Excellent	Excellent
Oxidation resistance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Water resistance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Cost	\$	\$	\$\$	\$\$	\$\$	\$\$	\$\$
Weld Slag resistance	Poor	Good	Good	Good	Excellent +250°C Short-term	Poor	Excellent
Flame Test							
UL Test standards	Vertical Tray	Vertical Tray	Vertical Tray	Horizontal	N/A	Vertical Tray	Vertical Tray
CSA Test standards	FT4	FT 4	FT4	FT1	N/A	FT4	FT4
IEC Test Standards	60332-3 Cat. A	60332-3 Cat. A	60332-3 Cat. A				
IEEE Test Standards	1202	1202	1202			1202	1202
Chemical Resistance							
Acids	Fair/Good	Fair/Good	Good	Good	Fair/Good	Fair/Good	Good
Alkalines	Good	Good	Excellent	Excellent	Good	Good	Excellent
Alcohols	Poor/Fair	Poor/Fair	Poor/Fair	Poor/Fair	Poor/Fair	Poor/Fair	Excellent
Most Solvents	Poor/Fair	Poor/Fair	Poor	Poor	Poor/Fair	Poor/Fair	Poor
Oils	Good	Good	Excellent	Excellent	Good	Good	Good
Gasoline	Poor	Poor	Poor	Poor	Poor	Poor	Poor
Greases	Good	Good	Excellent	Excellent	Good	Good	Poor
Available in Cordsets							
<i>eurofast</i> ®	X	X	X	X	X	X	X
<i>picofast</i> ®			X				
<i>minifast</i> ®	X	X	X			X	X
<i>microfast</i> ®			X				
<i>multifast</i> ®		X	X			X	
<i>V*fast</i> ®			X				

† ITC/PLTC ratings found under "Type" column of PVC or PUR *reelfast*® cable tables.






Shielded Cable Selection Guide

Selection Criteria	PVC Braided	PVC Braided & Foil	PVC Foil	TPU Braided	TPU Braided & Foil	TPU Foil
Ozone and UV resistance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Temperatures	-40° to 105°C	-40° to 105°C	-40° to 105°C	-40° to 90°C	-40° to 90°C	-40° to 90°C
Cold Bend test	-40°C	-40°C	-40°C	-40°C	-40°C	-40°C
Abrasion & Cut-through resistance	Fair	Fair	Fair	Excellent	Excellent	Excellent
Flexing (# of cycles)	2 million	2 million	2 million	2 million	2 million	2 million
Burn resistance	Fair/Good	Fair/Good	Fair/Good	Good	Good	Good
Oxidation resistance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Water resistance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Cost	\$\$	\$\$	\$\$	\$\$\$	\$\$\$	\$\$
Flame Test						
UL Test standards	Horizontal	Horizontal	Horizontal	Vertical Tray	Vertical Tray	Vertical Tray
CSA Test standards	FT 1	FT 1	FT 1	FT 4	FT 4	FT 4
Chemical Resistance						
Acids	Fair/Good	Fair/Good	Fair/Good	Good	Good	Good
Alkalines	Good	Good	Good	Excellent	Excellent	Excellent
Alcohols	Poor/Fair	Poor/Fair	Poor/Fair	Poor/Fair	Poor/Fair	Poor/Fair
Most Solvents	Poor/Fair	Poor/Fair	Poor/Fair	Poor	Poor	Poor
Oils	Good	Good	Good	Excellent	Excellent	Excellent
Gasoline	Poor	Poor	Poor	Poor	Poor	Poor
Greases	Good	Good	Good	Excellent	Excellent	Excellent
Available in Cordsets						
<i>eurofast</i> °	X	X	X	X	X	X
<i>picofast</i> °	X	X			X	X
<i>minifast</i> °	X	X		X	X	X
<i>microfast</i> °	X	X		X	X	X
<i>multifast</i> °	X	X			X	X
<i>V*fast</i> °	X	X			X	X

Note: Braid and foil information can be found under the "shield" column in *reelfast*° cable tables.


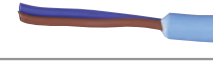
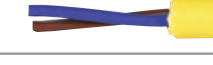



Armorfast

The ultimate extreme condition cordsets with interlocking aluminum armor and oil/UV resistant PVC cable jackets. Available with 5-6 conductors 18 AWG MC or 2-4 conductors 18 AWG MC/ITC/PLTC rated. Ideal for cable trays, direct burial riser/rafter installations and as an alternative to conduit wiring.

ARMOR Cable	No. Of Condi.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Cond. Colors	Shield	UL	CSA	Type	MSHA	Temp. (°C)
	2	18	13.5 mm OD, PVC, ARMOR, Ye 300 V	RF51039-30M RF51039-100M RF51039-200M	10 33 66	WH, BK		•	•	ITC/PLTC UL 1569 MC		105° -25°
	3	18	13.5 mm OD, PVC, ARMOR, Ye 300 V	RF51040-30M RF51040-100M RF51040-200M	11 34 68	WH, GN, BK		•	•	ITC/PLTC UL 1569 MC		105° -25°
	4	18	13.5 mm OD, PVC, ARMOR, Ye 300 V	RF51041-30M RF51041-100M RF51041-200M	11 36 71	GN, BK, WH, RD		•	•	ITC/PLTC UL 1569 MC		105° -25°
	5	18	14.9 mm OD, PVC, ARMOR, Ye 600 V	RF51042-30M RF51042-100M RF51042-200M	9 28 56	WH, OG, BK, GN, RD		•		ITC/PLTC UL 1569 MC		90° -25°
	6	18	14.9 mm OD, PVC, ARMOR, Ye 600 V	RF51043-30M RF51043-100M RF51043-200M	10 32 64	BK, WH, RD, OG, BU, GN		•		UL 1569 MC		90° -25°




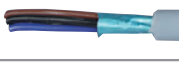

















PVC flexlife®

PVC (Polyvinyl Chloride) **flexlife** is TURCK's standard cable and is superior to other PVC cables on the market. Special additives give our PVC cables excellent resistance to oils, ozone, acids, alkalis, alcohols, greases, waxes and most solvents. TURCK PVC cable is rated for weather and atmosphere to UL 62 for UV resistance, and for temperatures up to 105°C (+221°F). PVC is a cost effective standard duty cable well suited to most environments, and has a **flexlife** rating of over 2 million cycles.






















PVC Cable	No. Of Condi.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Cond. Colors	Shield	UL	CSA	Type	MSHA	Temp. (°C)
	2	16	10.4 mm OD, PVC, YE, 600 V	RF50561-30M RF50561-100M RF50561-200M	10 31 61	WH, BK		•	•	STOW	•	105° -40°
	2	18	7.2 mm OD, PVC, BU, 300 V	RF50843-30M RF50843-100M RF50843-200M	3 8 16	BN, BU		•	•	AWM 2517	•	105° -40°
	2	18	7.2 mm OD, PVC, YE, 300 V	RF50511-30M RF50511-100M RF50511-200M	5 16 32	BN, BU		•	•	AWM 2517	•	105° -40°
	2	20	5.1 mm OD, PVC, GY, 300 V	RF50529-30M RF50529-100M RF50529-200M	3 9 17	BN, BU		•	•	AWM 2517	•	105° -40°
	2	20	5.1 mm OD, PVC, BU, 300 V	RF20003-30M RF20003-100M RF20003-200M	3 10 19	BN, BU		•	•	AWM 2517	•	105° -40°
	2	22	5.1 mm OD, PVC, YE, 300 V	RF50650-30M RF50650-100M RF50650-200M	3 8 15	WH, BK		•	•	AWM 2517	•	105° -40°

reefast

PVC Cable	No. of Cond.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Cond. Colors	Shield	UL	CSA	Type	MSHA	Temp. (°C)
	3	10	17.7 mm OD, PVC, BK, 600 V	RF51667-30M RF51667-100M RF51667-200M	32 107 212	BK, GN, WH		•	•	STOOW, TC-ER		90° -40°
	3	12	16.3 mm OD, PVC, BK, 600 V	RF51669-30M RF51669-100M RF51669-200M	30 100 200	BK, GN, WH		•	•	STOOW, TC-ER		90° -40°
	3	14	14.2 mm OD, PVC, BK, 600 V	RF51671-30M RF51671-100M RF51671-200M	27 90 180	BK, GN, WH		•	•	STOOW, TC-ER		90° -40°
	3	14	9.6 mm OD, PVC, BK, 600 V	RF51198-30M RF51198-100M RF51198-200M	11 36 72	WH, GN, BK		•	•	TC-ER		90° -40°
	3	22	5.2 mm OD, PVC, GY, 240 V	RF04106-30M RF04106-100M RF04106-200M	3 9 18	BK, BU, BN						80° -40°
	3	16	10.4 mm OD, PVC, YE, 600 V	RF50536-30M RF50536-100M RF50536-200M	10 33 66	GN, BK, WH		•	•	STOW	•	105° -40°
	3	16	10.4 mm OD, PVC, YE, 600 V	RF50537-30M RF50537-100M RF50537-200M	10 33 66	GN, RD/BK, RD/WH		•	•	STOW	•	105° -40°
	3	16	10.4 mm OD, PVC, GY, 600 V	RF50679-30M RF50679-100M RF50679-200M	10 33 66	GN, BK, WH		•	•	STOW		105° -40°
	3	18	7.2 mm OD, PVC, YE, 300 V	RF50512-30M RF50512-100M RF50512-200M	2 6 11	BN, BU, GN/YE		•	•	AWM 2517	•	105° -40°
	3	18	7.2 mm OD, PVC, YE, 300 V	RF50513-30M RF50513-100M RF50513-200M	6 18 36	BN, BU, BK		•	•	ITC/PLTC AWM 2517	•	105° -30°
	3	18	7.2 mm OD, PVC, YE, 300 V	RF50520-30M RF50520-100M RF50520-200M	3 18 36	RD/BK, RD/WH, GN		•	•	AWM 2517	•	105° -40°
	3	18	5.7 mm OD, PVC, YE, 300 V	RF50566-30M RF50566-100M RF50566-200M	4 12 24	RD/WH, RD/BK, GN		•	•	AWM 2517		105° -40°
	3	18	5.7 mm OD, PVC, GY, 300 V	RF50567-30M RF50567-100M RF50567-200M	4 12 24	BN, BU, BK		•	•	AWM 2517		105° -40°
	3	18	5.7 mm OD, PVC, YE, 300 V	RF50571-30M RF50571-100M RF50571-200M	4 12 24	BN, BU, BK		•	•	AWM 2517		105° -40°
	3	18	6.2 mm OD, PVC, GY, 300 V	RF50653-30M RF50653-100M RF50653-200M	5 14 28	BK-1, BK-2, GN/YE		•	•	ITC/PLTC AWM 2517		105° -30°
	3	18	7.2 mm OD, PVC, BK, 300 V	RF50817-30M RF50817-100M RF50817-200M	6 18 36	RD/BK, RD/WH, GN		•	•	AWM 2517	•	105° -40°
	3	20	5.1 mm OD, PVC, GY, 300 V	RF20017-30M RF20017-100M RF20017-200M	3 9 18	BN, BU, GN/YE		•	•	AWM 2517		105° -40°
	3	18	7.2 mm OD, PVC, YE, 300 V	RF50828-30M RF50828-100M RF50828-200M	6 18 35	BN, BU, BK		•	•	PLTC AWM 2517		105° -30°
	3	18	7.2 mm OD, PVC, YE, 300 V	RF50880-30M RF50880-100M RF50880-200M	6 18 35	BN, BU, GN/YE		•	•	ITC/PLTC AWM 2517		105° -30°
	3	20	5.1 mm OD, PVC, GY, 300 V	RF50528-30M RF50528-100M RF50528-200M	3 10 19	BN, BU, BK		•	•	AWM 2517		105° -40°

PVC Cable	No. of Cond.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Cond. Colors	Shield	UL	CSA	Type	MSHA	Temp. (°C)
	3	20	5.1 mm OD, PVC, YE, 300 V	RF50674-30M RF50674-100M RF50674-200M	3 10 19	BN, BU, BK		•	•	AWM 2517		105° -40°
	3	20	5.1 mm OD, PVC, BK, 300 V	RF50795-30M RF50795-100M RF50795-200M	3 10 29	BN, BU, BK		•	•	AWM 2517		105° -40°
	3	20	5.1 mm OD, PVC, GY, 300 V	RF50829-30M RF50829-100M RF50829-200M	3 10 19	BN, BU, BK		•	•	PLTC AWM 2517		105° -30°
	3	20	5.7 mm OD, PVC, GY, 300 V	RF50611-30M RF50611-100M RF50611-200M	4 10 20	BU, BK, BN, Drain (22)	Foil/Drain	•	•	ITC/PLTC AWM 2517		105° -30°
	3	22	5.7 mm OD, PVC, YE, 300 V	RF50535-30M RF50535-100M RF50535-200M	4 12 23	GN, RD/BK, RD/WH	Braid	•	•	AWM 20838		105° -40°
	3	22	5.1 mm OD, PVC, YE, 300 V	RF50531-30M RF50531-100M RF50531-200M	3 9 18	GN, RD/BK, RD/WH		•	•	AWM 2517	•	105° -40°
	3	24	4.4 mm OD, PVC, BK, 300 V	RF50585-30M RF50585-100M RF50585-200M	2 7 13	BN, BU, BK		•	•	AWM 2517	•	105° -40°
	3	24	4.4 mm OD, PVC, YE, 300 V	RF50642-30M RF50642-100M RF50642-200M	2 7 13	BN, BU, BK		•	•	AWM 2517	•	105° -40°
	3	24	4.4 mm OD, PVC, GY, 300 V	RF50752-30M RF50752-100M RF50752-200M	2 7 13	BN, BU, BK		•	•	AWM 2517		105° -40°
	3	24	4.4 mm OD, PVC, YE, 300 V	RF50882-30M RF50882-100M RF50882-200M	2 7 13	BN, BU, BK		•	•	AWM 2517 CL2		105° -30°
	3	24	3.8 mm OD, PVC, YE, 300 V	RF51253-30M RF51253-100M RF51253-200M	2 6 11	BN, BK, BU		•	•	AWM 2517		105° -40°
	4	8	18.8 mm OD, PVC, YE, 600 V	RF51279-30M RF51279-100M RF51279-200M	29 96 192	RD, GN, BK, WH		•	•	AWM 2839, TC-ER		90° -40°
	4	8	20 mm OD, PVC, YE, 600 V	RF51313-30M RF51313-100M RF51313-200M	30 100 200	WH, BK, RD, GN	Braid	•	•	AWM 2839 TC-ER		90° -40°
	4	10	19.2 mm OD, PVC, BK, 600 V	RF51666-30M RF51666-100M RF51666-200M	37 123 247	BK, GN, RD, WH		•	•	STOOW, TC-ER		90° -40°
	4	12	17.7 mm OD, PVC, BK, 600 V	RF51668-30M RF51668-100M RF51668-200M	32 107 212	BK, GN, RD, WH		•	•	STOOW, TC-ER		90° -40°
	4	14	15.4 mm OD, PVC, BK, 600 V	RF51672-30M RF51672-100M RF51672-200M	26 87 173	BK, GN, RD, WH		•	•	STOOW, TC-ER		90° -40°
	4	14	10 mm OD, PVC, BK, 600 V	RF51193-30M RF51193-100M RF51193-200M	11 36 72	WH, GN, BK, RD		•	•	AWM 2839 TC-ER		90° -40°
	4	16	9.6 mm OD, PVC, YE, 600 V	RF51220-30M RF51220-100M RF51220-200M	11 36 72	RD, WH, BK, GN		•	•	AWM 2586 TC-ER		105° -40°
	4	16	11 mm OD, PVC, YE, 600 V	RF50538-30M RF50538-100M RF50538-200M	12 39 77	BK, WH, RD, GN		•	•	STOW	•	105° -40°
	4	16	11 mm OD, PVC, YE, 600 V	RF50626-30M RF50626-100M RF50626-200M	12 39 77	BK, BU, BN, WH		•	•	STOW	•	105° -40°
	4	18	7.2 mm OD, PVC, YE, 300 V	RF50548-30M RF50548-100M RF50548-200M	6 18 36	BK, BU, BN, WH		•	•	AWM 2517	•	105° -40°











PVC Cable	No. of Cond.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Cond. Colors	Shield	UL	CSA	Type	MSHA	Temp. (°C)
	4	18	7.2 mm OD, PVC, YE, 300 V	RF50579-30M RF50579-100M RF50579-200M	6 18 36	BK, BU, WH, BN		•	•	AWM 2517	•	105° -40°
	4	18	7.2 mm OD, PVC, GY, 300 V	RF50580-30M RF50580-100M RF50580-200M	6 18 36	BK, BU, WH, BN		•	•	AWM 2517	•	105° -40°
	4	18	7.2 mm OD, PVC, BK, 300 V	RF50816-30M RF50816-100M RF50816-200M	6 18 36	BK, BU, BN, WH		•	•	AWM 2517	•	105° -40°
	4	18	7.2 mm OD, PVC, YE, 600 V	RF50844-30M RF50844-100M RF50844-200M	6 17 34	BK, BU, WH, BN		•	•	ITC/PLTC AWM 2586		105° -30°
	4	24	3.8 mm OD, PVC, YE, 300 V	RF51255-30M RF51255-100M RF51255-200M	2 6 11	BN, BK, BU, WH		•	•	AWM 2103		105° -40°
	4	26	4.4 mm OD, PVC, BK, 300V	RF50870-30M RF50870-100M RF50870-200M	3 9 17	BN, WH, BU, BK		•	•	AWM 2517		105° -40°
	4	22	5.7 mm OD, PVC, YE, 300 V	RF50656-30M RF50656-100M RF50656-200M	4 13 25	GN, RD, RD/BK, RD/WH	Braid	•	•	AWM 20838		105° -40°
	4	22	5.1 mm OD, PVC, GY, 300 V	RF50773-30M RF50773-100M RF50773-200M	3 9 18	WH, BK, BN, BU, Drain (22)	Foil Drain	•	•	ITC/PLTC AWM 2517		105° -30°
	4	22	5.1 mm OD, PVC, GY, 300 V	RF50577-30M RF50577-100M RF50577-200M	3 9 18	BN, WH, BU, BK, Drain (22)	Foil/Drain	•	•	AWM 2517		105° -40°
	4	22	5.1 mm OD, PVC, BK, 300 V	RF50805-30M RF50805-100M RF50805-200M	3 9 18	BN, WH, BU, BK, Drain (22)	Foil/Drain	•	•	AWM 2517		105° -40°
	4	22	7.2 mm OD, PVC, GY, 300 V	RF50729-30M RF50729-100M RF50729-200M	5 17 33	BN, WH, BU, BK, Drain (22)	Foil/Drain Braid	•	•	AWM 2517		105° -40°
	4	22	7.2 mm OD, PVC, GY, 300 V	RF50823-30M RF50823-100M RF50823-200M	5 17 33	BN, WH, BU, BK, Drain (22)	Foil/Drain Braid	•	•	ITC/PLTC AWM 2517		105° -30°
	4	22	5.1 mm OD, PVC, GY, 300 V	RF50516-30M RF50516-100M RF50516-200M	3 9 18	BN, WH, BU, BK		•	•	AWM 2517	•	105° -40°
	4	22	5.1 mm OD, PVC, YE, 300 V	RF50530-30M RF50530-100M RF50530-200M	3 9 18	BN, WH, BU, BK		•	•	AWM 2517	•	105° -40°
	4	22	5.7 mm OD, PVC, YE, 300 V	RF50555-30M RF50555-100M RF50555-200M	4 11 22	RD/BK, RD/WH, RD, GN		•	•	AWM 2517	•	105° -40°
	4	22	5.1 mm OD, PVC, BU, 300 V	RF50598-30M RF50598-100M RF50598-200M	3 9 18	BN, WH, BU, BK		•	•	AWM 2517	•	105° -40°
	4	22	5.3 mm OD, PVC, GY, 300 V	RF50698-30M RF50698-100M RF50698-200M	3 9 18	BN, WH, BU, BK		•	•	ITC/PLTC AWM 2517		105° -30°
	4	22	5.7 mm OD, PVC, GY, 600 V	RF50914-30M RF50914-100M RF50914-200M	3 10 20	BN, WH, BU, BK		•	•	AWM 2586		105° -40°
	4	22	5.2 mm OD, PVC, BK, 300 V	RF50983-30M RF50983-100M RF50983-200M	3 9 18	BN, WH, BU, BK		•	•	AWM 2517	•	105° -40°
	4	24	4.4 mm OD, PVC, YE, 300 V	RF50822-30M RF50822-100M RF50822-200M	2 7 14	BN, WH, BU, BK		•	•	AWM 2517 CL2		105° -30°
	4	26	3.2 mm OD, PVC, BK, 300 V	RF50590-30M RF50590-100M RF50590-200M	1 4 7	WH, BN, BU, BK						105° -40°

PVC Cable	No. of Cond.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Cond. Colors	Shield	UL	CSA	Type	MSHA	Temp. (°C)
	4	26	4.4 mm OD, PVC, YE, 300 V	RF50697-30M RF50697-100M RF50697-200M	2 6 12	BN, WH, BU, BK		•	•	AWM 2517		105° -40°
	5	16	13.2 mm OD, PVC, YE, 600 V	RF50539-30M RF50539-100M RF50539-200M	17 55 110	WH, RD, GN, OG, BK		•	•	STOW	•	105° -40°
	5	16	13.2 mm OD, PVC, YE, 600 V	RF50540-30M RF50540-100M RF50540-200M	17 56 110	RD/BK, RD/WH, RD/BU, GN, RD/OG		•	•	STOW	•	105° -40°
	5	16	13.2 mm OD, PVC, GY, 600 V	RF50680-30M RF50680-100M RF50680-200M	17 54 108	BK, WH, RD, GN, OG		•	•	STOW		105° -40°
	5	18	7.2 mm OD, PVC, YE, 300 V	RF50521-30M RF50521-100M RF50521-200M	6 19 38	RD/BU, GN, RD/OG, RD/BK, RD/WH		•	•	AWM 2517		105° -40°
	5	18	7.2 mm OD, PVC, YE, 300 V	RF50549-30M RF50549-100M RF50549-200M	6 20 39	BK, BU, GN/YE, BN, WH		•	•	AWM 2517	•	105° -40°
	5	18	7.2 mm OD, PVC, GY, 300 V	RF50630-30M RF50630-100M RF50630-200M	6 20 39	BK, BU, GN/YE, BN, WH		•	•	AWM 2517	•	105° -40°
	5	18	7.2 mm OD, PVC, YE, 300 V	RF50578-30M RF50578-100M RF50578-200M	6 19 38	BK, BU, YE, BN, WH		•	•	AWM 2517	•	105° -40°
	5	18	7.0 mm OD, PVC, YE, 300 V	RF51084-30M RF51084-100M RF51084-200M	6 20 40	BN, BK, WH, GY, BU		•	•	AWM 2517		105° -40°
	5	20 22	5.7 mm OD, PVC, GY, 300 V	RF50563-30M RF50563-100M RF50563-200M	4 11 21	22 = BU, BN, WH, BK 20 = GN/YE		•	•	AWM 2517	•	105° -40°
	5	22	5.7 mm OD, PVC, GY, 300 V	RF50609-30M RF50609-100M RF50609-200M	4 11 22	GY, BN, WH, BK, BU, Drain (24)	Foil/Drain	•	•	AWM 2517		105° -40°
	5	22	6.6 mm OD, PVC, GY, 600 V	RF50713-30M RF50713-100M RF50713-200M	6 18 36	BN, WH, BU, BK, GY, Drain (24)	Foil/Drain Braid	•	•	ITC/PLTC AWM 2586		105° -30°
	5	22	5.7 mm OD, PVC, GY, 300 V	RF50543-30M RF50543-100M RF50543-200M	4 11 22	GY, BN, WH, BU, BK		•	•	AWM 2517	•	105° -40°
	5	22	5.7 mm OD, PVC, YE, 300 V	RF50556-30M RF50556-100M RF50556-200M	4 11 22	RD/BK, RD/WH, RD, GN, RD/YE		•	•	AWM 2517	•	105° -40°
	5	22	5.7 mm OD, PVC, YE, 300 V	RF50684-30M RF50684-100M RF50684-200M	4 11 22	BN, WH, GY, BK, BU		•	•	AWM 2517	•	105° -40°
	5	22	6.9 mm OD, PVC, BU, 300 V	RF50767-30M RF50767-100M RF50767-200M	5 15 29	WH, BK, GN, RD, OG		•	•	ITC/PLTC AWM2517		105° -30°
	5	22	5.7 mm OD, PVC, BK, 300 V	RF50982-30M RF50982-100M RF50982-200M	4 11 22	GN, BN, WH, BU, BK		•	•	AWM 2517	•	105° -40°
	6	12	17.7 mm OD, PVC, YE, 600 V	RF51059-30M RF51059-100M RF51059-200M	18 59 117	BK, RD, BU, OG, YE, BN		•	•	AWM 2839 TC-ER		90° -40°
	6	12	15.5 mm OD, PVC, YE, 600 V	RF51286-30M RF51286-100M RF51286-200M	25 83 165	BU, RD, GN, BN, OG, YE	Braid	•	•	AWM 2839 TC-ER		90° -40°
	6	14	10.5 mm OD, PVC, YE, 600 V	RF51078-30M RF51078-100M RF51078-200M	14 45 89	WH, RD, GN, OG, BK, BU		•	•	AWM 2517		105° -40°
	6	16	13.7 mm OD, PVC, YE, 600 V	RF50565-30M RF50565-100M RF50565-200M	17 56 111	WH, BK, GN, OG, RD, BU		•	•	STOW	•	105° -40°


PVC Cable	No. of Cond.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Cond. Colors	Shield	UL	CSA	Type	MSHA	Temp. (°C)
	6	16	13.2 mm OD, PVC, GY, 600 V	RF50801-30M RF50801-100M RF50801-200M	17 56 111	WH, BK, GN, OG, RD, BU		•	•	STOW	•	105° -40°
	6	16	9.6 mm OD, PVC, YE, 600 V	RF51030-30M RF51030-100M RF51030-200M	11 34 68	GN, BK, WH, RD, OG, BU		•	•	ITC/PLTC AWM 2586		105° -30°
	6	18	7.2 mm OD, PVC, BK, 300 V	RF50551-30M RF50551-100M RF50551-200M	7 21 41	BU, WH, BK, GN, RD, OG, Drain (20)	Foil/Drain	•	•	AWM 2517	•	105° -60°
	6	18	7.2 mm OD, PVC, YE, 300 V	RF50575-30M RF50575-100M RF50575-200M	7 21 41	WH, GN, YE, GY, BN, BU		•	•	AWM 2517	•	105° -40°
	6	18	7.5 mm OD, PVC, YE, 300 V	RF51085-30M RF51085-100M RF51085-200M	7 23 46	BN, WH, BU, BK, GY, PK		•	•	AWM 2517		105° -40°
	6	20	7.9 mm OD, PVC, GY, 300 V	RF50986-30M RF50986-100M RF50986-200M	7 22 44	3 pair = (BK, RD), (BK, WH), (GN, BK), Drain (22)	STP Foil/Drain Braid	•	•	AWM 2464		80° -40°
	6	22	6.2 mm OD, PVC, YE, 300 V	RF51003-30M RF51003-100M RF51003-200M	4 13 26	RD/WH, RD, GN, RD/YE, RD/BK, RD/BU		•	•	AWM 2517	•	105° -40°
	6	24	6.6 mm OD, PVC, GY, 300 V	RF50814-30M RF50814-100M RF50814-200M	5 16 32	GY, BN, WH, PK, BU, BK, Drain (26)	Foil/Drain Braid	•	•	AWM 2517		105° -40°
	6	24	5.1 mm OD, PVC, GY, 300 V	RF50610-30M RF50610-100M RF50610-200M	4 11 22	BK, GY, PK, BN, WH, BU, Drain (24)	Foil/Drain	•	•	AWM 2517		105° -40°
	6	24	5.1 mm OD, PVC, BK, 300 V	RF50845-30M RF50845-100M RF50845-200M	4 11 22	WH, GN, YE, GY, BN, BU, Drain (24)	Foil/Drain	•	•	AWM 2517		105° -40°
	6	24	7.2 mm OD, PVC, GY, 600 V	RF50922-30M RF50922-100M RF50922-200M	5 16 32	GY, PK, BN, WH, BU, BK, Drain (26)	Foil/Drain Braid	•	•	AWM 2586		105° -40°
	6	24	5.1 mm OD, PVC, GY, 300 V	RF50608-30M RF50608-100M RF50608-200M	4 11 22	GY, BN, WH, PK, BU, BK		•	•	AWM 2517		105° -40°
	6	26	4.5 mm OD, PVC, YE, 300 V	RF50734-30M RF50734-100M RF50734-200M	2 7 13	BN, WH, BU, BK, GY, PK		•	•	AWM 2103		105° -40°
	6	26	4.5 mm OD, PVC, BK, 300 V	RF51083-30M RF51083-100M RF51083-200M	2 7 13	BN, WH, BU, BK, GY, PK		•	•	AWM 2103		105° -40°
	7	14	10.5 mm OD, PVC, YE, 600 V	RF51079-30M RF51079-100M RF51079-200M	15 50 99	WH, RD, OG, BU, WH/BK, BK, GN		•	•	AWM 2586		105° -40°
	7	14	11.2 mm OD, PVC, YE, 300 V	RF51192-30M RF51192-100M RF51192-200M	12 39 77	WH/BK, BK, WH, RD, OG, BU, GN, Drain (20)	Foil/Drain Braid	•	•	AWM 2517		105° -40°
	7	16	9.6 mm OD, PVC, YE, 600 V	RF51031-30M RF51031-100M RF51031-200M	12 37 74	WH/BK, BK, WH, RD, OG, BU, GN		•	•	ITC/PLTC AWM 2586		105° -30°
	7	18	7.3 mm OD, PVC, YE, 300 V	RF50637-30M RF50637-100M RF50637-200M	8 27 53	WH, GN, YE, GY, BN, BU, GN/YE, Drain (20)	Foil/Drain	•	•	ITC/PLTC AWM 2517	•	105° -30°
	7	18	7.2 mm OD, PVC, BK, 300 V	RF50715-30M RF50715-100M RF50715-200M	7 23 45	BK, GN, OG, WH/BK, WH, RD, BU, Drain (20)	Foil/Drain	•	•	AWM 2517	•	105° -40°
	7	18	7.5 mm OD, PVC, YE, 300 V	RF51086-30M RF51086-100M RF51086-200M	7 23 46	BU, WH, YE, BN, GY, GN, PK		•	•	AWM 2517		105° -40°
	7	18	8.4 mm OD, PVC, YE, 300 V	RF51204-30M RF51204-100M RF51204-200M	7 23 46	BN, BU, WH, GN, YE, GY, GN/YE, Drain (20)	Foil/Drain Braid	•	•	AWM 2517 ITC/PLTC	•	105° -30°

PVC Cable	No. of Cond.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Cond. Colors	Shield	UL	CSA	Type	MSHA	Temp. (°C)
	7	24	5.1 mm OD, PVC, BK, 300 V	RF50761-30M RF50761-100M RF50761-200M	4 12 24	GY, BU, WH, BN, GN, YE, PK, Drain (24)	Foil/Drain	•	•	AWM 2517	•	105° -40°
	8	12 18	12.5 mm OD, PVC, YE, 600 V	RF51081-30M RF51081-100M RF51081-200M	19 63 126	12 = BK, WH, GN, BU, 18 = OG, RD, WH/BK, RD/BK		•	•	AWM 2586	•	105° -40°
	8	12 18	13.2 mm OD, PVC, YE, 600 V	RF51287-30M RF51287-100M RF51287-200M	20 66 131	12= BU, GN, WH, BK 18= OG, RD, WH/BK, RD/BK		•	•	AWM 2839 TC-ER	•	90° -40°
	8	12 18	14.7 mm OD, PVC, YE, 600 V	RF51288-30M RF51288-100M RF51288-200M	25 83 165	12= BU, GN, WH, BK 18= OG, RD, WH/BK, RD/BK	Braid	•	•	AWM 2839 TC-ER	•	90° -40°
	8	8 18	18.8 mm OD, PVC, YE, 600 V	RF51314-30M RF51314-100M RF51314-200M	29 96 192	8 = WH, RD, GN, BK 18 = BU, BN, WH, BK,		•	•	AWM 2839 TC-ER	•	90° -40°
	8	16	11.2 mm OD, PVC, YE, 600 V	RF51032-30M RF51032-100M RF51032-200M	14 47 93	OG, BU, WH/BK, BK, WH, RD, GN, RD/BK		•	•	ITC/PLTC AWM 2586	•	105° -30°
	8	18	10.0 mm OD, PVC, BK, 300 V	RF50552-30M RF50552-100M RF50552-200M	11 35 70	WH, BK, GN, RD, OG, BU, BN, YE, Drain (20)	Foil/Drain	•	•	AWM 2517	•	105° -40°
	8	18	8.5 mm OD, PVC, YE, 300	RF51087-30M RF51087-100M RF51087-200M	10 31 61	WH, YE, BN, GY, GN, BU, PK, RD		•	•	AWM 2517	•	105° -40°
	8	20	8.5 mm OD, PVC, GY, 300 V	RF50987-30M RF50987-100M RF50987-200M	8 27 53	4 pair = (BK, RD), (BK, WH), (BK, GN), (BK, BU), Drain (22)	STP Foil/Drain Braid	•	•	AWM 2464	•	80° -40°
	8	24	7.2 mm OD, PVC, GY, 300 V	RF50813-30M RF50813-100M RF50813-200M	6 18 35	BU, WH, BN, GN, YE, GY, PK, RD, Drain (26)	Foil/Drain Braid	•	•	AWM 2517	•	105° -40°
	8	24	5.7 mm OD, PVC, GY, 300 V	RF50815-30M RF50815-100M RF50815-200M	4 12 23	BU, WH, BN, GN, YE, GY, PK, RD, Drain (26)	Foil/ Drain	•	•	AWM 2517	•	105° -40°
	8	24	5.7 mm OD, PVC, GY, 300 V	RF50753-30M RF50753-100M RF50753-200M	4 12 23	BU, WH, BN, GN, YE, GY, PK, RD		•	•	AWM 2517	•	105° -40°
	8	24	5.7 mm OD, PVC, YE, 300 V	RF50884-30M RF50884-100M RF50884-200M	4 12 23	BU, WH, BN, GN, YE, GY, PK, RD		•	•	AWM 2517	•	105° -40°
	9	14 18	10.5 mm OD, PVC, YE, 600 V	RF51080-30M RF51080-100M RF51080-200M	13 44 87	14 = BK, GN, BU, 18 = RD/BK, GN/BK, WH, RD, WH/BK, OG		•	•	AWM 2586	•	105° -40°
	9	16	12.5 mm OD, PVC, YE, 600 V	RF51033-30M RF51033-100M RF51033-200M	17 56 112	OG, BU, RD/BK, GN/BK, WH, RD, GN, WH/BK, BK		•	•	ITC/PLTC AWM 2586	•	105° -30°
	9	18	10 mm OD, PVC, YE, 300 V	RF50636-30M RF50636-100M RF50636-200M	11 35 70	WH, GN, YE, GY, PK, RD, BU, BN, GN/YE, Drain (20)	Foil/Drain	•	•	ITC/PLTC AWM 2517	•	105° -30°
	9	18	11.2 mm OD, PVC, YE, 300 V	RF51203-30M RF51203-100M RF51203-200M	13 44 87	BN, BU, WH, GN, YE, GY, PK, RD, GN/YE, Drain (20)	Foil/Drain Braid	•	•	ITC/PLTC AWM 2517	•	105° -30°
	9	22	6.9 mm OD, PVC, BU 300V	RF50741-30M RF50741-100M RF50741-200M	5 13 26	WH, BK, GN, RD, OG, BU, BN, YE, VT		•	•	PLTC AWM 2517	•	105° -30°
	10	16	12.5 mm OD, PVC, YE, 600 V	RF51034-30M RF51034-100M RF51034-200M	17 55 110	OG, BU, WH/BK, RD/BK, GN/BK, OG/BK, RD, GN, BK, WH		•	•	ITC/PLTC AWM 2586	•	105° -30°
	10	18	10 mm OD, PVC, BK, 300 V	RF50553-30M RF50553-100M RF50553-200M	11 35 70	VT, GY, GN, RD, OG, BU, BN, YE, WH, BK, Drain (20)	Foil/Drain	•	•	AWM 2517	•	105° -40°

PVC Cable	No. of Cond.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Cond. Colors	Shield	UL	CSA	Type	MSHA	Temp. (°C)
	10	18	10 mm OD, PVC, YE, 300 V	RF50607-30M RF50607-100M RF50607-200M	11 35 70	GN/YE, BN, BU, WH, YE, GN/WH, BN/WH, BU/WH, OG, GY, Drain (20)	Foil/Drain	•	•	AWM 2517	•	105° -40°
	10	24	7.0 mm OD, PVC, BK, 300 V	RF50836-30M RF50836-100M RF50836-200M	5 16 31	GN, GY, VT, BU, YE, BK, WH, RD, PK, BN, Drain (26)	Foil Drain	•	•	AWM 2517	•	105° -40°
	10	24	6.6 mm OD, PVC, BK, 300 V	RF51076-30M RF51076-100M RF51076-200M	5 16 31	GN, GY, OG, BU, YE, TN, WH, RD, PK, BN, Drain (26)	Foil/Drain	•	•	AWM 2517	•	105° -40°
	10	24	7.2 mm OD, PVC, GY, 300 V	RF51006-30M RF51006-100M RF51006-200M	6 18 35	OG, RD, BU, PK, GY, YE, GN, BN, WH, TN, Drain (26)	Foil/Drain Braid	•	•	AWM 2517	•	105° -40°
	10	24	6.2 mm OD, PVC, GY, 300 V	RF51004-30M RF51004-100M RF51004-200M	4 13 26	OG, RD, BU, PK, GY, YE, GN, BN, WH, TN		•	•	AWM 2517	•	105° -40°
	11	18 22	8.5 mm OD, PVC, YE, 300 V	RF50624-30M RF50624-100M RF50624-200M	9 30 60	(18 = BN, BU, GN/YE), (22 = WH/GN, GN, GY, WH, RD/BU, YE, GY/PK, BN/GN, Drain (22)	Foil/Drain	•	•	PLTC AWM 2517	•	105° -30°
	11	18	10 mm OD, PVC, BK, 300 V	RF50716-30M RF50716-100M RF50716-200M	12 38 75	BK, GN, OG, BU, RD, WH, WH/BK, RD/BK, GN/BK, OG/BK, BU/BK, Drain (20)	Foil/Drain	•	•	AWM 2517	•	105° -40°
	11	18	10 mm OD, PVC, YE, 600 V	RF50913-30M RF50913-100M RF50913-200M	12 38 75	WH, GN, YE, GY, PK, RD, BK, VT, BU, BN, GN/YE, Drain (20)	Foil/Drain	•	•	AWM 2586	•	105° -40°
	11	18	10.5 mm OD, PVC, YE, 300 V	RF51088-30M RF51088-100M RF51088-200M	13 42 83	WH, GN, YE, GY, PK, RD, BK, VT, BU, BN, GN/YE, Drain (20)	Foil/Drain	•	•	ITC/PLTC AWM 2517	•	105° -30°
	11	18	11.2 mm OD, PVC, YE, 300 V	RF51190-30M RF51190-100M RF51190-200M	13 44 87	BN, BU, WH, GN, YE, GY, PK, RD, BK, VT, GN/YE, Drain (20)	Foil/Drain Braid	•	•	ITC/PLTC AWM 2517	•	105° -30°
	12	16	13.2 mm OD, PVC, YE, 600 V	RF51035-30M RF51035-100M RF51035-200M	20 65 130	GN, OG, BU, WH/BK, RD/BK, GN/BK, OG/BK, BU/BK, BK/WH, WH, RD, BK		•	•	ITC/PLTC AWM 2586	•	105° -30°
	12	18	10 mm OD, PVC, YE, 300 V	RF50606-30M RF50606-100M RF50606-200M	12 38 75	BU/WH, GN/YE, BN, BU, WH, OG, YE, GN/WH, BN/WH, GY, PK, RD, Drain (20)	Foil/Drain	•	•	AWM 2517	•	105° -40°
	12	22	7.6 mm OD, PVC, BK, 300 V	RF50967-30M RF50967-100M RF50967-200M	6 20 40	RD, PK, YE, GN, WH, BU, BN, OG, BK, GY, TN, VT, Drain (24)	Foil/Drain	•	•	AWM 2517	•	105° -40°
	12	24	7 mm OD, PVC, BK, 300 V	RF50755-30M RF50755-100M RF50755-200M	5 16 32	RD, GN, OG, TN, GY, VT, YE, BK, WH, BN, BU, PK, Drain (26)	Foil/Drain	•	•	AWM 2517	•	105° -40°
	12	24	7.0 mm OD, PVC, YE, 300 V	RF50917-30M RF50917-100M RF50917-200M	5 16 32	BK, RD, GN, GY, PK, RD/BU, GY/PK, BU, VT, WH, YE, BN, Drain (26)	Foil/Drain	•	•	AWM 2517	•	105° -40°
	12	24	7.2 mm OD, PVC, GY, 300 V	RF50988-30M RF50988-100M RF50988-200M	6 19 38	BN, WH, OG, RD, BU, PK, GY, YE, GN, BK, TN, VT, Drain (26)	Foil/Drain Braid	•	•	AWM 2517	•	105° -40°
	12	24	6.3 mm OD, PVC, GY, 300 V	RF50991-30M RF50991-100M RF50991-200M	5 15 29	BN, WH, OG, RD, BU, PK, GY, YE, GN, BK, TN, VT		•	•	AWM 2517	•	105° -40°
	14	18	10.6 mm OD, PVC, YE, 300 V	RF50576-30M RF50576-100M RF50576-200M	14 45 90	GN/YE, GN/WH, BN, BN/WH, BU, BU/WH, WH, YE, PK, BK, OG, GY, RD, VT, Drain (20)	Foil/Drain	•	•	AWM 2517	•	105° -40°
	14	18	11.2 mm OD, PVC, YE, 600 V	RF51097-30M RF51097-100M RF51097-200M	14 47 93	PK, YE, WH, GY/PK, BU, GN, RD/BU, GY, RD, VT, GN/YE, BK, BN/GN, BN		•	•	AWM 2586	•	105° -40°



















PVC Cable	No. of Cond.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Cond. Colors	Shield	UL	CSA	Type	MSHA	Temp. (°C)
	14	22	7.6mm OD, PVC, BK, 300 V	RF50998-30M RF50998-100M RF50998-200M	7 21 42	BN, OG, TN, BU, GN, PK, RD, WH, BK, RD/BU, GY/BN, YE, GY, VT, Drain (24)	Foil/Drain	•	•	AWM 2517		105° -40°
	15	18 22	8.5 mm OD, PVC, YE, 300 V	RF50625-30M RF50625-100M RF50625-200M	8 27 53	18 = BN, BU, GN/YE, 22 = WH, GN, GY, PK, RD, RD/BU, GY/PK, WH/GN, BN/GN, WH/YE, YE/BN, YE, Drain (22)	Foil/Drain	•	•	AWM 2517	•	105° -40°
	16	22	8.2 mm OD, PVC, BU, 300 V	RF50744-30M RF50744-100M RF50744-200M	8 25 50	WH, BK, GN, RD, OG, BU, BN, YE, VT, GY, PK, TN, WH/BK, WH/GN, WH/RD, WH/BU		•	•	PLTC AWM 2517		105° -30°
	19	18 22	10.0 mm OD, PVC, YE, 300 V	RF50620-30M RF50620-100M RF50620-200M	12 38 75	18 = BN, BU, GN/YE, 22 = WH, GN, YE, GY, PK, RD, BK, VT, GY/PK, RD/BU, WH/GN, BN/GN, WH/YE, YE/BN, WH/GY, GY/BN, Drain)	Foil/Drain	•	•	PLTC AWM 2517	•	105° -30°
	19	22	8.5 mm OD, PVC, BK, 300 V	RF50995-30M RF50995-100M RF50995-200M	9 285 5	18 = BN, BU, GN/YE, 22 = GN, WH/YE, PK, BN/GN, BK, WH/GN, RD/BU, GY/PK, OG, GY, RD, WH, VT, GY/BN, YE, Drain (24)	Foil/Drain	•	•	AWM 2517		105° -40°
	19	18 22	10.4 mm OD, PVC, BK, 300 V	RF50733-30M RF50733-100M RF50733-200M	8 27 54	18 = BN, BU, GN/YE 22 = WH, GN, YE, GY, PK, RD, BK, VT, GY/PK, RD/BU, WH/GN, BN/GN, WH/YE, YE/BN, WH/GY, GY/BN, Drain (20)	Foil/Drain	•	•	AWM 2517	•	105° -40°
	19	18 22	11.2 mm OD, PVC, YE, 300 V	RF51191-30M RF51191-100M RF51191-200M	13 44 87	VT, RD, GY, RD/BU, GN, BU, GY/PK, WH/GN, WH/YE, WH/GY, BK, GN/YE, YE/BN, BN/GN, WH, YE, PK, GY/BN, BN, Drain (20)	Foil/Drain Braid	•	•	PLTC AWM 2517	•	105° -30°
	19	26	7.1 mm OD, PVC, BK, 300 V	RF50873-30M RF50873-100M RF50873-200M	5 173 4	GN/YE, BK, WH/YE, WH/GY, GY/BN, GY/PK, BN, RD/BU, WH/GN, GY, BN/GN, GN, WH, RD, VT, BU, PK, YE, YE/BN, Drain (26)	Foil/Drain	•	•	AWM 2517		105° -40°
	25	22	10 mm OD, PVC, YE, 300 V	RF50631-30M RF50631-100M RF50631-200M	11 34 67	Bn, Bu, WH, Bk, Bn/Rd, Bu/Rd, WH/Rd, Bk/Rd, Bn/Ye, Bu/Ye, WH/Ye, Bk/Ye, Bn/Gy, Bu/Gy, WH/Gy, Bk/Gy, Bn/Gn, Bu/Gn, WH/Gn, Bk/Gn, Bk/Og, WH/Og, Bn/Og, Bu/Og, Gn/Ye, Drain (22)	Foil/Drain	•	•	AWM 2517	•	105° -40°
	26	22	12.4 mm OD, PVC, YE, 600 V	RF51293-30M RF51293-100M RF51293-200M	13 43 86	BN, BU, WH, BK, BN/RD, BU/RD, WH/RD, BK/RD, BN/YE, BU/YE, WH/YE, BK/YE, BN/GY, BU/GY, WH/GY, BK/GY, BN/GN, BU/GN, WH/GN, BK/GN, GY, BK/OG, WH/OG, BN/OG, BU/OG, GN/YE, Drain (22)	Foil/Drain	•	•	AWM 2586		105° -40°

reefast









PVC Cable	No. of Cond.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Cond. Colors	Shield	UL	CSA	Type	MSHA	Temp. (°C)
	27	22	10.5 mm OD, PVC, YE, 300 V	RF51061-30M RF51061-100M RF51061-200M	13 44 87	BN, WH/GY, BU/GY, BN/GY, BK/YE, WH/YE, BU/YE, BN/YE, BK/RD, WH/RD, BU/RD, BN/RD, BK, WH, BU, BK/GY, BN/OG, WH/OG, BK/OG, BK/GN, WH/GN, BU/GN, BN/GN, BU/OG, GN/YE, GY, OG, Drain (22)	Foil/Drain	•	•	AWM 2517	•	105° -40°

TPU flexlife® (S90)

The new TURCK TPU (Thermoplastic Polyurethane) jacket material boasts many industry leading features. A 105°C (+221°F) temperature rating is the first in the industry for a TPU cable. TURCK TPU cables withstand UL Vertical Tray and CSA FT4 flame tests allowing many configurations to be rated as PLTC and ITC. TPU provides superior resistance to oils and lubricants including cutting oils, transmission fluids (ATF) and gasoline, as well as exceptional abrasion resistance comparable to thermo-set rubber cables. TPU is the standard cable used to make retractile cordsets, and has a **flexlife** rating of over 2 million cycles.

TPU Cable	No. Of Cond.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Cond. Colors	Shield	UL	CSA	Type	MSHA	Temp. (°C)
	2	20	5.1 mm OD, TPU, BU, 300 V	RF50657-30M RF50657-100M RF50657-200M	3 8 15	BN, BU		•	•	AWM 20626		90° -40°
	2	20	5.1 mm OD, TPU, GY, 300 V	RF50772-30M RF50772-100M RF50772-200M	3 8 16	BN, BU		•	•	ITC/PLTC AWM 20626		105° -60°
	2	24	4.4 mm OD, TPU, BK, 300 V	RF51197-30M RF51197-100M RF51197-200M	2 6 11	BN, BU, Drain (26)	Foil/Drain	•	•	AWM 20626		90° -40°
	3	18	7.2 mm OD, TPU/PVC, YE, 300 V	RF50545-30M RF50545-100M RF50545-200M	6 17 34	BN, BU, GN/YE		•	•	AWM 2549		90° -40°
	3	18	5.7 mm OD, TPU, YE, 300 V	RF50547-30M RF50547-100M RF50547-200M	4 12 23	RD/WH, RD/BK, GN		•	•	AWM 20626	•	90° -40°
	3	18	6.4 mm OD, TPU, GY, 300 V	RF50669-30M RF50669-100M RF50669-200M	4 14 27	BK-1, BK-2, GN/YE		•	•	ITC/PLTC AWM 20626	•	105° -60°
	3	20	5.1 mm OD, TPU, GY, 300 V	RF50518-30M RF50518-100M RF50518-200M	3 9 18	BN, BU, BK		•	•	AWM 20626	•	90° -40°
	3	24	3.8 mm OD, TPU, YE, 300 V	RF51254-30M RF51254-100M RF51254-200M	2 6 11	BN, BK, BU		•	•	AWM 20626		90° -40°
	3	24	4.4 mm OD, TPU, BK, 300 V	RF50601-30M RF50601-100M RF50601-200M	2 6 12	BN, BU, BK, Drain (26)	Foil/Drain	•	•	AWM 20626		90° -40°
	3	24	4.2 mm OD, TPU, BK, 300 V	RF50587-30M RF50587-100M RF50587-200M	2 7 13	BN, BU, BK		•	•	AWM 20626	•	90° -40°
	4	18	7.2 mm OD, TPU, YE, 300 V	RF50544-30M RF50544-100M RF50544-200M	6 18 36	BK, BU, BN, WH		•	•	ITC/PLTC AWM 2517	•	90° -60°
	4	22	6.2 mm OD, TPU, GY, 300 V	RF51069-30M RF51069-100M RF51069-200M	4 12 23	2 pair = (BN, BK), (WH, BU), Drain (24)	STP Foil/Drain	•	•	AWM 20626		90° -40°
	4	22	5.1 mm OD, TPU, GY, 300 V	RF50985-30M RF50985-100M RF50985-200M	3 9 17	BN, WH, BU, BK, Drain (22)	Foil/Drain	•	•	AWM 20626		90° -40°
	4	22	7.2 mm OD, TPU, GY, 300 V	RF50810-30M RF50810-100M RF50810-200M	5 16 32	BN, WH, BU, BK, Drain (22)	Foil/Drain Braid	•	•	ITC/PLTC AWM 20626		105° -60°
	4	22	5.1 mm OD, TPU, GY, 300 V	RF50532-30M RF50532-100M RF50532-200M	3 9 17	BN, WH, BU, BK		•	•	AWM 20626		90° -40°
	4	22	5.3 mm OD, TPU, YE, 300 V	RF50613-30M RF50613-100M RF50613-200M	3 9 17	BN, WH, BU, BK		•	•	ITC/PLTC AWM 20626		105° -60°
	4	22	5.7 mm OD, TPU/PVC, YE, 300 V	RF50614-30M RF50614-100M RF50614-200M	4 11 21	RD/BK, RD/WH, RD, GN		•	•	AWM 2517		90° -40°
	4	24	3.8 mm OD, TPU, YE, 300 V	RF51256-30M RF51256-100M RF51256-200M	2 6 11	BN, BK, BU, WH		•	•	AWM 20549		80° -40°





TPU Cable	No. of Cond.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Cond. Colors	Shield	UL	CSA	Type	MSHA	Temp. (°C)
	4	26	4.4 mm OD, TPU, BK, 300 V	RF50602-30M RF50602-100M RF50602-200M	2 6 12	BN, WH, BU, BK, Drain (26)	Foil/Drain	•	•	AWM 20626		90° -40°
	4	26	4.4 mm OD, TPU, BK, 300 V	RF50586-30M RF50586-100M RF50586-200M	2 6 12	BN, WH, BU, BK		•	•	AWM 20626	•	90° -40°
	4	26	4.4 mm OD, TPU, YE, 300 V	RF50923-30M RF50923-100M RF50923-200M	2 6 12	BN, WH, BU, BK		•	•	AWM 20626	•	90° -40°
	5	18	7.2 mm OD, TPU, YE, 300 V	RF50751-30M RF50751-100M RF50751-200M	6 19 38	WH, BK, BU, GN/YE, BN		•	•	AWM 20626		90° -40°
	5	22	5.7 mm OD, TPU, GY, 300 V	RF50649-30M RF50649-100M RF50649-200M	4 11 21	GY, BN, WH, BU, BK		•	•	ITC/PLTC AWM 20626	•	105° -60°
	5	24	5.7 mm OD, TPU, BU, 300 V	RF50928-30M RF50928-100M RF50928-200M	4 11 20	BU, OG, RD, YE, BK, Drain (24)	Foil/Drain	•	•	AWM 20626	•	90° -40°
	6	16	9.6 mm OD, TPU, YE, 600 V	RF51137-30M RF51137-100M RF51137-200M	6 20 40	BK, WH, RD, OG, BU, GN		•	•	ITC/PLTC AWM 20626		105° -40°
	6	18	7.2 mm OD, TPU, YE, 300 V	RF50662-30M RF50662-100M RF50662-200M	6 20 40	WH, GN, YE, GY, BN, BU, Drain (20)	Foil/Drain	•	•	AWM 20626		90° -40°
	6	24	5.7 mm OD, TPU, GY, 300 V	RF50646-30M RF50646-100M RF50646-200M	4 11 21	GY, BN, WH, PK, BU, BK		•	•	AWM 20626	•	90° -40°
	6	24	5.7 mm OD, TPU, BK, 300 V	RF50728-30M RF50728-100M RF50728-200M	4 11 21	GY, BN, WH, PK, BU, BK		•	•	AWM 20626	•	90° -40°
	6	26	4.5 mm OD, TPU, BK, 300 V	RF51144-30M RF51144-100M RF51144-200M	5 19 38	BN, WH, BU, BK, GY, PK, DN (26)	Foil/Drain					90° -40°
	6	26	4.5 mm OD, TPU, BK, 300 V	RF50735-30M RF50735-100M RF50735-200M	2 7 13	BN, WH, BU, BK, GY, PK						90° -40°
	7	16	9.6 mm OD, TPU, YE, 600 V	RF51138-30M RF51138-100M RF51138-200M	7 22 44	BK, WH, RD, OG, BU, GN, WH/BK		•	•	ITC/PLTC AWM 20626		105° -60°
	7	18	7.2 mm OD, TPU, YE, 300 V	RF50676-30M RF50676-100M RF50676-200M	7 22 44	WH, GN, YE, GY, BN, BU, GN/YE, Drain (20)	Foil/Drain	•	•	AWM 20626	•	90° -40°
	8	16	11.2 mm OD, TPU, YE, 600 V	RF51139-30M RF51139-100M RF51139-200M	8 23 46	BU, WH/BK, BK, WH, RD, RD/BK, GN, OG		•	•	ITC/PLTC AWM 20626		105° -60°
	8	24	5.7 mm OD, TPU, GY, 300 V	RF50984-30M RF50984-100M RF50984-200M	4 12 23	BU, WH, BN, GN, YE, GY, PK, RD		•	•	AWM 20626		90° -40°
	9	16	12.5 mm OD, TPU, YE, 600 V	RF51140-30M RF51140-100M RF51140-200M	9 24 48	BU, RD/BK, GN/BK, WH, RD, GN, BK, WH/BK, OG		•	•	ITC/PLTC AWM 20626		105° -60°
	9	18	10 mm OD, TPU, YE, 300 V	RF50677-30M RF50677-100M RF50677-200M	11 34 68	WH, GN, YE, GY, PK, RD, BU, BN, GN/YE Drain (20)	Foil/Drain	•	•	AWM 20626	•	90° -40°
	10	16	12.5 mm OD, TPU, YE, 600 V	RF51141-30M RF51141-100M RF51141-200M	12 38 76	BU, WH/BK, RD/BK, GN/BK, OG/BK, RD, GN, OG, BK, WH		•	•	ITC/PLTC AWM 20626		105° -60°
	10	24	6.2 mm OD, TPU, GY, 300 V	RF51005-30M RF51005-100M RF51005-200M	5 16 31	OG, RD, BU, PK, GY, YE, GN, BN, WH, TN		•	•	AWM 20626		90° -40°
	11	18	10 mm OD, TPU, YE, 300 V	RF50678-30M RF50678-100M RF50678-200M	11 37 74	WH, GN, YE, GY, PK, RD, BK, VT, BU, BN, GN/YE Drain (20)	Foil/Drain	•	•	AWM 20626	•	90° -40°

TPU Cable	No. of Cond.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Cond. Colors	Shield	UL	CSA	Type	MSHA	Temp. (°C)
	11	18 22	8.4 mm OD, TPU, YE, 300 V	RF50718-30M RF50718-100M RF50718-200M	8 24 48	(18 = BN, BU, GN/YE), (22 = WH/GN, GN, GY, WH, RD/BU, YE, GY/PK, BN/GN), Drain (22)	Foil/Drain	•	•	AWM 20626	•	90° -40°
	12	16	13.2 mm OD, TPU, YE, 600 V	RF51142-30M RF51142-100M RF51142-200M	13 39 78	OG, BU, WH/BK, RD/BK, GN/BK, OG/BK, BU/BK, BK/WH, GN, WH, RD, BK		•	•	ITC/PLTC AWM 20626		105° -60°
	12	22	7.6 mm OD, TPU, BK, 300 V	RF51001-30M RF51001-100M RF51001-200M	6 20 39	RD, PK, YE, GN, WH, BU, BN, OG, BK, GY, TN, VT, Drain (24)	Foil/Drain	•	•	AWM 20626		90° -40°
	12	24	6 mm OD, TPU, GY, 300 V	RF50990-30M RF50990-100M RF50990-200M	4 13 26	BN, WH, OG, RD, BU, PK, GY, YE, GN, BK, TN, VT		•	•	AWM 20626		90° -40°
	14	22	7.6 mm OD, TPU, BK, 300 V	RF51002-30M RF51002-100M RF51002-200M	7 21 42	BN, OG, TN, BU, GN, PK, RD, WH, BK, RD/BU, GY/BN, YE, GY, VT, Drain (24)	Foil/Drain	•	•	AWM 20626		90° -40°
	15	18 22	8.5 mm OD, TPU, YE, 300 V	RF50818-30M RF50818-100M RF50818-200M	8 26 52	(18 = BN, BU, GN/YE), (22 = YE, WH, GN, GY, PK, RD, RD/BU, GY/PK, WH/GN, BN/GN, WH/YE, YE/BN), Drain (22)	Foil/Drain	•	•	AWM 20626		90° -40°
	19	18 22	10.4 mm OD, TPU, YE, 300 V	RF50682-30M RF50682-100M RF50682-200M	11 37 74	(18 = BN, BU, GN/YE), (22 = WH, GN, YE, GY, PK, RD, BK, VT, RD/BU, GY/PK, WH/GN, BN/GN, WH/YE, YE/BN, WH/GY, GY/BN), Drain (20)	Foil/Drain	•	•	PLTC AWM 20626	•	105° -60°
	19	22	8.5 mm OD, TPU, BK, 300 V	RF50996-30M RF50996-100M RF50996-200M	8 27 54	BN, TN, BU, YE/BN, GN, WH/YE, PK, BN/GN, BK, WH/GN, RD/BU, GY/PK, OG, GY, RD, WH, VT, GY/BN, YE, Drain (24)	Foil/Drain	•	•	AWM 20626		90° -40°

TPU flexlife-20® (S90/S101)














flexlife-20, our latest innovation in high-flex cable, guarantees performance to 10 million cycles of continuous flexing, bending and twisting motion found in C-track, robotic and other motion systems. Our standard **flexlife** PVC and TPU control cables are designed to meet a minimum of 2 million flex cycles, but are often in use 7 to 8 million flex cycles and years later.

The **flexlife-20** design includes finely stranded custom alloy conductors, and proprietary blended thermoplastic insulation and cable jacket compounds. A flex facilitator made of PTFE is wrapped around the conductors, preventing heat build-up due to friction between the cable jacket and conductors during the flex cycle. See our **flexlife-20** brochure (B0422) for more information.

TPU-FL-20 Cable	No. Of Cond.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Cond. Colors	Shield	UL	CSA	Type	MSHA	Temp. (°C)
	3	24	4.5 mm OD, TPU, BK, FL-20, 600 V	RF51166-30M RF51166-100M RF51166-200M	2 6 11	BN, BU, BK		•	•	AWM 20626		105° -40°
	4	26	4.4 mm OD, TPU, BK, FL-20, 600 V	RF50935-30M RF50935-100M RF50935-200M	2 6 11	BN, WH, BU, BK		•	•	AWM 20626		105° -40°
	6	26	5.1 mm OD, TPU, BK, FL-20, 600 V	RF51082-30M RF51082-100M RF51082-200M	3 8 15	BN, WH, BU, BK, GY, PK		•	•	AWM 20626		105° -40°
	19	18	12 mm OD, TPU, YE, FL-20, 600 V	RF50926-30M RF50926-100M RF50926-200M	19 63 126	WH, GN, YE, PK, RD, BK, VT, BU, GY, BN, GY/BN, YE/BN, GN/YE, GY/PK, RD/BU, BN/GN, WH/GN, WH/YE, WH/GY		•	•	AWM 20626		105° -40°



CPE Rubber flexlife® (S600)

Thermo-set CPE jacket over EPDM rubber insulation. Thermo-set rubber is impervious to flame and temperature extremes making it the cable of choice for many welding applications. CPE rubber jacket provides superior resistance to tears, cuts and abrasions, and has a flexlife rating of over 2 million cycles.

Rubber Cable	No. Of Cond.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Cond. Colors	Shield	UL	CSA	Type	MSHA	Temp. (°C)
	3	16	10.3 mm OD, CPE, YE, 600 V	RF50596-30M RF50596-100M RF50596-200M	31 103 205	GN, RD/BK, RD/WH		•	•	SOOW	•	105° -50°
	3	18	8 mm OD, CPE, YE, 300 V	RF50654-30M RF50654-100M RF50654-200M	19 63 131	BK, BN, BU		•	•	SJOOW	•	105° -50°
	3	18	8.0 mm OD, CPE, YE, 300 V	RF50658-30M RF50658-100M RF50658-200M	20 66 131	GN, RD/BK, RD/WH		•	•	SJOOW	•	105° -50°
	4	16	11.05 mm OD, CPE, YE, 600 V	RF50595-30M RF50595-100M RF50595-200M	36 119 238	WH, RD, GN, BK		•	•	SOOW	•	105° -50°
	4	18	8.5 mm OD, CPE, YE, 300 V	RF50644-30M RF50644-100M RF50644-200M	25 83 165	BN, WH, BU, BK		•	•	SJOOW	•	105° -50°
	5	16	13 mm OD, CPE, YE, 600 V	RF50597-30M RF50597-100M RF50597-200M	50 166 333	RD1, RD2, GN3, RD4, RD5		•	•	SOOW	•	105° -50°
	5	18	9.3 mm OD, CPE, YE, 300 V	RF50659-30M RF50659-100M RF50659-200M	26 88 176	RD/WH, RD/BU, GN, RD/OG, RD/BK		•	•	SJOOW	•	105° -50°
	5	18	9.4 mm OD, CPE, YE, 300 V	RF50937-30M RF50937-100M RF50937-200M	28 92 184	BN, WH, BU, BK, GY		•	•	SJOOW	•	90° -50°
	6	16	13.3 mm OD, CPE, YE, 600 V	RF51019-30M RF51019-100M RF51019-200M	51 167 334	OG, BU, BK, WH, RD, GN		•	•	SOOW	•	105° -50°
	7	16	13.3 mm OD, CPE, YE, 600 V	RF51020-30M RF51020-100M RF51020-200M	51 170 340	WH/BK, BK, WH, RD, OG, BU, GN		•	•	SOOW	•	105° -50°
	9	16	15.2 mm OD, CPE, YE, 600 V	RF51021-30M RF51021-100M RF51021-200M	68 228 456	OG, BU, RD/BK, GN/BK, WH, RD, GN, WH/BK, BK		•	•	SOOW	•	105° -50°
	10	16	15.7 mm OD, CPE, YE, 600 V	RF51022-30M RF51022-100M RF51022-200M	71 235 470	OG, BU, WH/BK, RD/BK, GN/BK, OG/BK, RD, GN, BK, WH		•	•	SOOW	•	105° -50°
	12	16	16.5 mm OD, CPE, YE, 600 V	RF51023-30M RF51023-100M RF51023-200M	81 269 538	OG, BU, WH/BK, RD/BK, GN/BK, OG/BK, BU/BK, WH/BK, GN, RD, WH, BK		•	•	SOOW	•	105° -50°

















XOR

Irradiated PVC is steady temperature rated from -25°C to +80°C (-13°F to 176°F), and short-term rated to +250°C (+482°F). Conductors and jacket are resistant to melting under conditions such as weld-flash, contact with hot objects (e.g. soldering iron) or under short-circuit conditions (to VDE 0298). Superior performance in the presence of oils and organic solvents causes no swelling, as well as outstanding tensile strength and abrasion resistance. Unlike stranded PVC, it does not exhibit signs of aging in the presence of hot oil. No reduction of physical properties when soaked 168 hours at +90°C (+194°F) in ASTM #2 oil (re: VDE 0472 part 802). Fine litz-wire stranded construction provides superior performance in flex applications.

XOR	No. Of Cond.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Cond. Colors	Shield	UL	CSA	Type	MSHA	Temp. (°C)
	3	18	5.7 mm OD, Rad. PVC, YE, 240 V	RF04159-30M RF04159-100M RF04159-200M	4 12 23	GN, RD, WH/RD						80° -20°
	4	20	5.2 mm OD, Rad. PVC, YE, 240 V	RF04304-30M RF04304-100M RF04304-200M	3 10 19	BN, WH, BU, BK						80° -40°

Weldlife (S1587)

TPE (Thermo-Plastic Elastomer), sometimes called TPR (Thermo-Plastic Rubber), jacket material offers excellent resistance to weld slag buildup, second only to Thermo-set rubber. Weldlife is more flexible, available in more configurations, is less expensive than rubber and has a *flexlife*® rating of over 2 million cycles.

TPE Weldlife Cable	No. Of Cond.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Cond. Colors	Shield	UL	CSA	Type	MSHA	Temp. (°C)
	3	16	10.4 mm OD, TPE, YE, 600 V	RF51563-30M RF51563-100M RF51563-200M	9 22 44	GN, BK, WH		•	•	SEOW		105° -60°
	3	18	7.2 mm OD, TPE, YE, 300 V	RF50957-30M RF50957-100M RF50957-200M	6 17 34	RD/BK, RD/WH, GN		•	•	AWM 21002		105° -60°
	3	24	4.4 mm OD, TPE, YE, 300 V	RF51271-30M RF51271-100M RF51271-200M	2 6 11	BN, BU, BK		•	•	AWM 21002		105° -60°
	4	22	5.1 mm OD, TPE, YE, 300 V	RF51132-30M RF51132-100M RF51132-200M	3 10 20	BK, BN, WH, BU		•	•	ITC/PLTC/AWM 2587		80° -60°
	5	16	13.2 mm OD, TPE, YE, 600 V	RF51265-30M RF51265-100M RF51265-200M	17 54 108	WH, RD, GN, OG, BK		•	•	SEOW		105° -60°
	5	18	6.4 mm OD, TPE, YE, 300 V	RF51232-30M RF51232-100M RF51232-200M	5 16 32	GY, BN, WH, BU, BK		•	•	AWM 21002		105° -60°
	5	18	7.2 mm OD, TPE, YE, 300 V	RF50958-30M RF50958-100M RF50958-200M	6 19 37	RD/BU, GN, RD/OG, RD/BK, RD/WH		•	•	AWM 21002		105° -60°
	6	16	9.6 mm OD, TPE, YE, 600 V	RF51053-30M RF51053-100M RF51053-200M	8 21 42	BK, WH, RD, OG, BU, GN		•	•	AWM 21002		105° -60°
	6	16	13.7 mm OD, TPE, YE, 600 V	RF51564-30M RF51564-100M RF51564-200M	20 65 130	WH, RD, GN, OG, BK, BU		•	•	SEOW		105° -60°
	6	18	7.2 mm OD, TPE, GY, 300 V	RF51274-30M RF51274-100M RF51274-200M	7 21 41	GN, YE, GY, BN, BU, WH		•	•	AWM 21002		105° -60°
	7	16	9.6 mm OD, TPE, YE, 600 V	RF51009-30M RF51009-100M RF51009-200M	8 21 42	BK, WH, RD, OG, BU, GN, WH/BK		•	•	AWM 21002		105° -60°
	8	16	10.5 mm OD, TPE, YE, 600 V	RF51011-30M RF51011-100M RF51011-200M	9 22 44	BU, WH/BK, BK, WH, RD, RD/BK, GN, OG		•	•	AWM 21002		105° -60°
	9	16	11.2 mm OD, TPE, YE, 600 V	RF51013-30M RF51013-100M RF51013-200M	10 23 46	BU, RD/BK, GN/BK, WH, RD, GN, BK, WH/BK, OG		•	•	AWM 21002		105° -60°
	10	16	12.5 mm OD, TPE, YE, 600 V	RF51015-30M RF51015-100M RF51015-200M	11 25 50	OG, BU, WH/BK, RD/BK, GN/BK, OG/BK, RD, GN, BK, WH		•	•	AWM 21002		105° -60°
	12	16	12.5 mm OD, TPE, YE, 600 V	RF51017-30M RF51017-100M RF51017-200M	12 26 52	OG, BU, WH/BK, RD/BK, GN/BK, OG/BK, BU/BK, BK/WH, GN, WH, RD, BK		•	•	AWM 21002		105° -60°
	12	16	12.5 mm OD, TPE, GY, 600 V	RF51275-30M RF51275-100M RF51275-200M	19 63 126	GN, OG, BU, WH/BK, RD/BK, GN/BK, OG/BK, BU/BK, BK/WH, RD, WH, BK		•	•	AWM 21002		105° -60°








reelfast

TPE flexlife-20® (S101)

flexlife-20, our latest innovation in high-flex cable, guarantees performance to 10 million cycles of continuous flexing, bending and twisting motion found in C-track, robotic and other motion systems. Our standard **flexlife** PVC and PUR control cables are designed to meet a minimum of 2 million flex cycles, but are often in use 7 to 8 million flex cycles and years later.

The **flexlife-20** design includes finely stranded custom alloy conductors, and proprietary blended thermoplastic insulation and cable jacket compounds. A flex facilitator made of PTFE is wrapped around the conductors, preventing heat build-up due to friction between the cable jacket and conductors during the flex cycle. See our **flexlife-20** brochure (B0422) for more information.

TPE FL-20 Cable	No. of Cond.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Cond. Colors	Shield	UL	CSA	Type	MSHA	Temp. (°C)
	3	18	5.9 mm OD, TPE, YE, FL-20, 600 V	RF51173-30M RF51173-100M RF51173-200M	6 19 37	BN, BU, GN/YE		•	•	AWM 21002		105° -60°
	3	20	5.7 mm OD, TPE, GY, FL-20, 600 V	RF50940-30M RF50940-100M RF50940-200M	3 10 20	BN, BU, BK		•	•	AWM 21002		105° -60°
	4	18	6.4 mm OD, TPE, YE, FL-20, 600 V	RF50968-30M RF50968-100M RF50968-200M	6 19 37	BK, BU, WH, BN		•	•	AWM 21002		105° -60°
	4	22	5.7 mm OD, TPE, GY, FL-20, 600 V	RF50941-30M RF50941-100M RF50941-200M	3 10 20	BN, WH, BU, BK		•	•	AWM 21002		105° -60°
	5	18	7.2 mm OD, TPE, YE, FL-20, 600 V	RF51174-30M RF51174-100M RF51174-200M	6 20 39	BK, BU, GN/YE, BN, WH		•	•	AWM 21002		105° -60°
	5	22	5.7 mm OD, TPE, GY, FL-20, 600 V	RF50909-30M RF50909-100M RF50909-200M	3 10 20	GY, BN, WH, BU, BK		•	•	AWM 21002		105° -60°
	6	16	8.5 mm OD, TPE, YE, FL-20, 600 V	RF51044-30M RF51044-100M RF51044-200M	8 38 76	BK, WH, RD, OG, BU, GN		•	•	AWM 21002		105° -60°
	6	24	5.7 mm OD, TPE, GY, FL-20, 600 V	RF50910-30M RF50910-100M RF50910-200M	3 10 19	GY, BN, WH, PK, BU, BK		•	•	AWM 21002		105° -60°
	6	24	5.7 mm OD, TPE, BK, FL-20, 600 V	RF51111-30M RF51111-100M RF51111-200M	3 10 20	GN, YE, GY, BN, BU, WH		•	•	AWM 21002		105° -60°
	7	16	9.6 mm OD, TPE, YE, FL-20, 600 V	RF51049-30M RF51049-100M RF51049-200M	10 40 80	BK, WH, RD, OG, GN, BU, WH/BK		•	•	AWM 21002		105° -60°
	7	18	7.4 mm OD, TPE, YE, FL-20, 600 V	RF51149-30M RF51149-100M RF51149-200M	9 39 78	BK, WH, RD, OG, BU, GN, WH/BK		•	•	AWM 21002		105° -60°
	8	16	9.6 mm OD, TPE, YE, FL-20, 600 V	RF51050-30M RF51050-100M RF51050-200M	10 40 80	RD, GN, OG, BU, WH/BK, BK, RD/BK, WH		•	•	AWM 21002		105° -60°
	8	24	5.7 mm OD, TPE, GY, FL-20, 600 V	RF50911-30M RF50911-100M RF50911-200M	4 11 21	BU, WH, BN, GN, YE, GY, PK, RD		•	•	AWM 21002		105° -60°
	9	16	10.5 mm OD, TPE, YE, FL-20, 600 V	RF51051-30M RF51051-100M RF51051-200M	10 40 80	BU, RD/BK, GN/BK, WH, RD, GN, BK, WH/BK, OG		•	•	AWM 21002		105° -60°
	10	16	10.5 mm OD, TPE, YE, FL-20, 600 V	RF51052-30M RF51052-100M RF51052-200M	11 41 82	OG/BK, RD, GN, OG, BU, WH/BK, RD/BK, GN/BK, BK, WH		•	•	AWM 21002		105° -60°
	10	24	7.0 mm OD, TPE, BK, FL-20, 600 V	RF50954-30M RF50954-100M RF50954-200M	5 15 30	GN, GY, VT, YE, BK, WH, RD, BN, PK, BU		•	•	AWM 21002		105° -60°
	10	24	7.0 mm OD, TPE, BK, FL-20, 600 V	RF51077-30M RF51077-100M RF51077-200M	5 15 30	GN, GY, OG, YE, TN, WH, RD, BN, PK, BU		•	•	AWM 21002		105° -60°
	12	16	11.2 mm OD, TPE, YE, FL-20, 600 V	RF51148-30M RF51148-100M RF51148-200M	134 385	OG, BU, WH/BK, RD/BK, GN/BK, OG/BK, BU/BK, BK/WH, GN, WH, RD, BK		•	•	AWM 21002		105° -60°

TPE FL-20 Cable	No. of Cond.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Cond. Colors	Shield	UL	CSA	Type	MSHA	Temp. (°C)
	12	18	9.3 mm OD, TPE, YE, FL-20, 600 V	RF50915-30M RF50915-100M RF50915-200M	13 43 85	BU/WH, GN/YE, BN, BU, WH, OG, YE, GN/WH, BN/WH, GY, PK, RD		•	•	AWM 21002		105° -50°
	12	22	7.6 mm OD, TPE, BK, FL-20, 600 V	RF50999-30M RF50999-100M RF50999-200M	6 19 38	RD, PK, YE, GN, WH, BU, BN, OG, BK, GY, TN, VT		•	•	AWM 21002		105° -60°
	12	24	7 mm OD, TPE, BK, FL-20, 600 V	RF50943-30M RF50943-100M RF50943-200M	5 16 31	RD, GN, OG, TN, GY, VT, YE, BK, WH, BN, BU, PK		•	•	AWM 21002		105° -60°
	14	22	7.6 mm OD, TPE, BK, FL-20, 600 V	RF51000-30M RF51000-100M RF51000-200M	6 20 40	BN, OG, TN, BU, GN, PK, RD, WH, BK, RD/BU, GY/BN, YE, GY, VT		•	•	AWM 21002		105° -60°
	19	18 22	9.3 mm OD, TPE, YE, FL-20, 600 V	RF50916-30M RF50916-100M RF50916-200M	12 38 75	(22 = WH, GN, YE, GY, PK, RD, BK, VT, GY/PK, RD/BU, WH/GN, BN/GN, WH/YE, YE/BN, WH/GY, GY/BN), (18 = BN, BU, GN/YE)		•	•	AWM 21002		105° -60°
	19	22	8.5 mm OD, TPE, BK, FL-20, 600 V	RF50997-30M RF50997-100M RF50997-200M	8 26 52	BN, TN, BU, YE/BN, GN, WH/YE, PK, BN, GN, BK, WH/GN, RD/BU, GY/PK, OG, GY, RD, WH, VT, GY/BN, YE		•	•	AWM 21002		105° -60°
			5.7 mm OD, TPC, GY, 600V	RF50910-30M RF50910-100M RF50910-200M	5 16 32	BN, WH, PK, BU, BK, GY		•	•	AWM 21002	•	105° -60°




Super Cable (S529)

This TURCK developed cable construction is unique in the industry. PVC insulated inner conductors of high-flex stranding are sheathed in an oil-resistant PVC inner jacket, over which a braided copper shield is applied. An outer jacket of TPU (Thermoplastic Polyurethane) is then applied to the cable.

This cable was developed for the machine tool and material handling industry as a solution to problems experienced with the high degree of abrasion, cut through and attack by cutting fluids found in those industries.

Advantages gained from this design include:

- High flexibility and strength in a relatively small cross section.
- Highly resistant to abrasion, cutting and crushing.
- Highly resistant to fluids that may otherwise cause failure due to embrittlement or softening in the presence of cutting fluids, oils, gasoline and other petroleum-based fluids.
- Circular cross section of inner core and braid allows for easier stripping in the field.











Super S529 Cable	No. Of Cond.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Cond. Colors	Shield	UL	CSA	Type	MSHA	Temp. (°C)
	3	20	5.1 mm OD, TPU/PVC, YE, 300 V	RF50832-30M RF50832-100M RF50832-200M	4 11 21	BN, BU, BK	Braid					90° -60°
	4	20	5.7 mm OD, TPU/PVC, YE, 300 V	RF50526-30M RF50526-100M RF50526-200M	4 13 26	BN, WH, BU, BK	Braid					90° -60°
	6	24	6.2 mm OD, TPU/PVC, YE, 300 V	RF51120-30M RF51120-100M RF51120-200M	5 14 28	BN, WH, PK, BU, BK, GY	Braid	•	•	AWM 20626		90° -60°

reefast

Polypropylene

Polypropylene, our latest innovation for washdown environments, is our special formulated cable jacket with high tensile strength and high chemical solvent resistance. It is resistant to common solvents such as sulfuric acid, sulfamic acid and nitric acid. There is no UL listing on this product type but it is RoHS compliant.

Polypropylene Cable	No. Of Cond.	AWG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Cond. Colors	Shield	UL	CSA	Type	MSHA	Temp. (°C)
	2	16	6.2 mm OD, PP, WH 600 V	RF51442-30M RF51442-100M RF51442-200M	4 11 21	WH, BK						105° -40°
	2	18	5.1 mm OD, PP, WH 600 V	RF51441-30M RF51441-100M RF51441-200M	3 10 19	BN, BU						105° -40°
	3	16	7.2 mm OD, PP, WH 600 V	RF51444-30M RF51444-100M RF51444-200M	5 14 28	GN, BK, WH						105° -40°
	3	18	5.7 mm OD, PP, WH 600 V	RF51443-30M RF51443-100M RF51443-200M	4 11 21	GN/YE, BN, BU						105° -40°
	3	20	5.1 mm OD, PP, WH 300 V	RF51440-30M RF51440-100M RF51440-200M	4 11 21	BN, BU, BK						105° -40°
	4	16	7.2 mm OD, PP, WH 600 V	RF51446-30M RF51446-100M RF51446-200M	5 14 28	BK, WH, RD, GN						105° -40°
	4	18	6.2 mm OD, PP, WH 600 V	RF51445-30M RF51445-100M RF51445-200M	5 14 28	BN, WH, BU, BK						105° -40°
	4	22	4.4 mm OD, PP, WH 300 V	RF51359-30M RF51359-100M RF51359-200M	3 9 18	BN, WH, BU, BK						105° -40°
	5	16	7.2 mm OD, PP, WH 600 V	RF51448-30M RF51448-100M RF51448-200M	6 18 36	WH, RD, GN, OG, BK						105° -40°
	5	18	7.2 mm OD, PP, WH 600 V	RF51447-30M RF51447-100M RF51447-200M	6 18 36	BK, BU, GN/YE, BN, WH						105° -40°
	5	18	6.5 mm OD, PP, WH 600 V	RF51573-30M RF51573-100M RF51573-200M	5 16 32	BN, WH, BU, BK, GY						105° -40°
	5	22	4.5 mm OD, PP, WH 300 V	RF51466-30M RF51466-100M RF51466-200M	4 11 21	BN, WH, BU, BK, GY						105° -40°
	6	16	8 mm OD, PP, WH 600 V	RF51450-30M RF51450-100M RF51450-200M	11 34 68	WH, RD, GN, OG, BK, BU						105° -40°
	6	18	7.2 mm OD, PP, WH 600 V	RF51449-30M RF51449-100M RF51449-200M	6 18 36	GN, WH, BU, GY, YE, BN						105° -40°
	6	18	7.0 mm OD, PP, WH 600 V	RF51575-30M RF51575-100M RF51575-200M	6 19 37	BN, WH, BU, BK, GY, PK						105° -40°
	6	24	4.5 mm OD, PP, WH 300 V	RF51467-30M RF51467-100M RF51467-200M	4 11 21	BN, WH, BU, BK, GY, PK						105° -40°

Polypropylene Cable	No. Of Cond.	A WG	Jacket Characteristics	ID Number	Ship Wt. (lbs)	Cond. Colors	Shield	UL	CSA	Type	MSHA	Temp. (°C)
	7	18	7 mm OD, PP, WH, 600 V	RF51571-30M RF51571-100M RF51571-200M	7 23 45	WH, BN, GN, YE, GY, PK, BU						105° -40°
	8	18	7.6 mm OD, PP, WH, 600 V	RF51574-30M RF51574-100M RF51574-200M	10 31 61	WH, BN, GN, YE, GY, PK, BU, RD						105° -40°
	8	24	5.1 mm OD, PP, WH, 300 V	RF51465-30M RF51465-100M RF51465-200M	4 12 22	WH, BN, GN, YE, GY, PK, BU, RD						105° -40°
	10	24	5.7 mm OD, PP, WH, 300 V	RF51602-30M RF51602-100M RF51602-200M	4 13 26	WH, BN, GN, YE, GY, PK, BU, RD, OG, TN						105° -40°
	11	18 22	7.2 mm OD, PP, WH, 300 V	RF51371-30M RF51371-100M RF51371-200M	8 27 54	18 = BN, BU, GN/YE 22 = GY, RD/BU, GN, BU, GY/PK, WH/GN, GN/YE, BN/GN, WH, YE, BN						105° -40°
	12	22	6.2 mm OD, PP, WH, 300 V	RF51576-30M RF51576-100M RF51576-200M	6 20 40	BN, BU, WH, GN, YE, GY, PK, RD, BK, OG, TN, VT						105° -40°
	12	24	5.7 mm OD, PP, WH, 300 V	RF51464-30M RF51464-100M RF51464-200M	4 13 26	WH, BN, GN, YE, GY, PK, BU, RD, OG, TN, BK, VT						105° -40°
	14	22	6.5 mm OD, PP, WH, 300 V	RF51572-30M RF51572-100M RF51572-200M	6 19 37	BN, RD/BU, BK, PK, GN, BU, OG, GY/BN, VT, WH, RD, GY, YE, TN						105° -40°
	19	22	7.0 mm OD, PP, WH, 300 V	RF51570-30M RF51570-100M RF51570-200M	8 27 54	BU, GY/PK, RD/BU, WH/GN, BK, BN/GN, PK, WH/YE, GN, YE/BN, BN, OG, GY/BN, VT, WH, RD, GY, YE, TN						105° -40°
	19	18 22	7.9 mm OD, PP, WH, 300 V	RF51375-30M RF51375-100M RF51375-200M	9 24 48	18 = BN, BU, GN/YE 22 = VT, RD, GY, RD/BU, GN, BU, GY/PK, WH/GN, WH/YE, WH/GY, BK, GN/YE, YE/BN, BN/GN, WH, YE, PK, GY/BN, BN						105° -40°

Notes:

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4MB12Z-4N2-CS12H	S6	8 RKF 30-X9-CS12	S70	B 4151-0/9	F48
4MB12Z-4P2 CS12	S6	8 RKF 30-X9-RSF120	S72	B 4151-0/9/DNET	M46
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4MB12Z-4P2-CS12H	S6	8MB12-5P1-MS-SK	S30	B 4251-0/9/DNET	M46
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4MB12Z-5P3*	S10	8MB12Z-4-CS12H	S12	B 5146-0	C27
4MB12Z-5P3-CS19	S10	8MB12Z-4N2-*	S12	B 5231-0	C25
4MB12Z-5P3-CS19H	S10	8MB12Z-4N2-0.2-RSF120	S14	B 5241-0	C25
4MBM12-4-*C	S4	8MB12Z-4N2-0.2-RSM120	S14	B 71101-0/21	F50
4MBM12-4-FS 8	S4	8MB12Z-4N2-CS12	S12	B 71121-0/21	F50
4MBM12-4N2-*C	S4	8MB12Z-4N2-CS12H	S12	B 716B61-0/21	F49
4MBM12-4N2-FS8	S4	8MB12Z-4P2-*	S12	B 7171-0/21	F49
4MBM12-4P2-*C	S4	8MB12Z-4P2-0.2-RSF120	S14	B 7181-0/21	F49
4MBM12-4P2-FS 8	S4	8MB12Z-4P2-0.2-RSM120	S14	B 7191-0/21	F50
4MBM12-5-*C	S4	8MB12Z-4P2-CS12	S12	B 81121-0/PG 9	D84
4MBM12-5-BS14	S4	8MB12Z-4P2-CS12H	S12	B 8141-0	D83
4MBM12-5N3-*C	S4	8MB12Z-5-*	S16	B 8141-0/LABEL	D85
4MBM12-5N3-BS14	S4	8MB12Z-5-CS19	S16	B 8141-0/PG 9	D83
4MBM12-5P3-*C	S4	8MB12Z-5-CS19H	S16	B 8141-0/PG9	P39
4MBM12-5P3-BS14	S4	8MB12Z-5N3-*	S16	B 8141-0/PG9	R20
4MBMV12-4-*C	S4	8MB12Z-5N3-CS19	S16	B 8141-0/PG9/LABEL	D85
4MBMV12-4N2-*C	S4	8MB12Z-5N3-CS19H	S16	B 8141-P7X2-0	D87

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B 8145-0	D86	BH-BSM/3BKM 22-380-*/**/*	J33	BKF 19-19-*/14.5/NPT	G20
B 8146-0	D88	BH-BSM/3BKM 34	J33	BKF 19-19-*/18.375/NPT	G22
B 8151-0/PG 9	D83	BH-BSM/3BKM 34-198-*	J33	BKF 19-19-*/M18	G16
B 8151-0/PG9/DNET	M47	BH-BSM/3BKM 34-198-*/**/*	J33	BKF 19-19-*/M20	G18
B 8151-0/PG9/LABEL	D85	BH-BSM/3BKM 44	J33	BKF 22-*/14.5/NPT	J29
B 8155-0	D86	BH-BSM/3BKM 44-193-*	J33	BKF 22-*/18.375/NPT	J29
B 8181-0	D84	BH-BSM/3BKM 44-193-*/**/*	J33	BKF 22-*/M18	J29
B 8241-0	D83	BH-BSM/3BKM 5	G33	BKF 22-*/M20	J29
B 8241-0/LABEL	D85	BH-BSM/3BKM 5-084-*	G33	BKF 34-*/14.5/NPT	J29
B 8241-0/PG 9	D83	BH-BSM/3BKM 6	G33	BKF 34-*/18.375/NPT	J29
B 8241-0/PG9	P39	BH-BSM/3BKM 6-085-*	G33	BKF 34-*/M18	J29
B 8241-0/PG9	R20	BH-BSM/3BKM 7	G33	BKF 34-*/M20	J29
B 8241-0/PG9/LABEL	D85	BH-BSM/3BKM 7-086-*	G33	BKF 44-*/14.5/NPT	J29
B 8246-0	D88	BH-BSM/3BKM 8	G33	BKF 44-*/18.375/NPT	J29
B 8251-0/PG 9	D83	BH-BSM/3BKM 8-087-*	G33	BKF 44-*/M18	J29
B 8251-0/PG9/DNET	M47	BK	R19	BKF 44-*/M20	J29
B 8251-0/PG9/LABEL	D85	BK 12-0	G36	BKF 5-5-*	G13
B 8281-0	D84	BK 14-0	G37	BKF 5-5-*/14.5/NPT	G19
B 8346-0	D88	BK 19-0	G37	BKF 5-5-*/18.375/NPT	G21
B1131-*M	F58	BK 22-0	J29	BKF 5-5-*/M18	G15
B1131-PG9-*M	F58	BK 34-0	J29	BKF 5-5-*/M20	G17
B1141-*M	F58	BK 4140-0/9	P38	BKF 6-6-*	G13
B1141-PG9-*M	F58	BK 44-0	J29	BKF 6-6-*/14.5/NPT	G19
B1151-PG9-*M	F58	BK 5-0	G35	BKF 6-6-*/18.375/NPT	G21
B2131-*M	F58	BK 6-0	G35	BKF 6-6-*/M18	G15
B2131-*M/S523	F58	BK 7-0	G35	BKF 6-6-*/M20	G17
B2141-*M	F58	BK 8-0	G35	BKF 7-7-*	G13
B3131-*	E17	BK52C 57x-*M	M14	BKF 7-7-*/14.5/NPT	G19
B3131-PG9-*	E17	BKF 12	G29	BKF 7-7-*/18.375/NPT	G21
B3141-*	E17	BKF 12-12-*	G14	BKF 7-7-*/M18	G15
B3141-PG9-*	E17	BKF 12-12-*/14.5/NPT	G20	BKF 7-7-*/M20	G17
B3151-*	E17	BKF 12-12-*/18.375/NPT	G22	BKF 8-8-*	G13
B3151-PG9-*	E17	BKF 12-12-*/M18	G16	BKF 8-8-*/14.5/NPT	G19
BH-BKM/BSM/2BKM 22	J33	BKF 12-12-*/M20	G18	BKF 8-8-*/18.375/NPT	G21
BH-BKM/BSM/2BKM 22-380-*	J33	BKF 14	G29	BKF 8-8-*/M18	G15
BH-BKM/BSM/2BKM 22-380-*/**/*	J33	BKF 14-10-*	G14	BKF 8-8-*/M20	G17
BH-BKM/BSM/2BKM 34	J33	BKF 14-10-*/14.5/NPT	G20	BKF-CC	G38
BH-BKM/BSM/2BKM 34-198-*	J33	BKF 14-10-*/18.375/NPT	G22	BKF-CC	J40
BH-BKM/BSM/2BKM 34-198-*/**/*	J33	BKF 14-10-*/M18	G16	BKFD 12	G29
BH-BKM/BSM/2BKM 44	J33	BKF 14-10-*/M20	G18	BKFD 12-12-*	G24
BH-BKM/BSM/2BKM 44-193-*	J33	BKF 14-12-*	G14	BKFD 12-12-*/M18	G26
BH-BKM/BSM/2BKM 44-193-*/**/*	J33	BKF 14-12-*/14.5/NPT	G20	BKFD 12-PCB	G28
BH-BKM/BSM/2BKM 5	G34	BKF 14-12-*/18.375/NPT	G22	BKFD 14	G29
BH-BKM/BSM/2BKM 5-084-*	G34	BKF 14-12-*/M18	G16	BKFD 14-10-*	G24
BH-BKM/BSM/2BKM 6	G34	BKF 14-12-*/M20	G18	BKFD 14-10-*/M18	G26
BH-BKM/BSM/2BKM 6-085-*	G34	BKF 14-14-*	G14	BKFD 14-12-*	G24
BH-BKM/BSM/2BKM 7	G34	BKF 14-14-*/14.5/NPT	G20	BKFD 14-12-*/M18	G26
BH-BKM/BSM/2BKM 7-086-*	G34	BKF 14-14-*/18.375/NPT	G22	BKFD 14-14-*	G24
BH-BKM/BSM/2BKM 8	G34	BKF 14-14-*/M18	G16	BKFD 14-14-*/M18	G26
BH-BKM/BSM/2BKM 8-087-*	G34	BKF 14-14-*/M20	G18	BKFD 14-PCB	G28
BH-BSM/3BKM 22	J33	BKF 19	G29	BKFD 19	G29
BH-BSM/3BKM 22-380-*	J33	BKF 19-19-*	G14	BKFD 19-19-*	G24

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BKFD 19-19-*/M18	G26	BKV 4140-0/9	P38	BS 4231-0/9	F48
BKFD 19-PCB	G28	BKWM 12-001-*	G7	BS 4241-0/9	F48
BKFD 22-*/M18	J29	BKWM 12-967-*	G7	BS 4251-0/9	F48
BKFD 34-*/M18	J29	BKWM 12-999-*/S101	G7	BS 4251-0/9/DNET	M46
BKFD 44-*/M18	J29	BKWM 14-000-*/S101	G8	BS 44-0	J29
BKFD 5-5-*	G23	BKWM 14-002-*	G8	BS 5-0	G35
BKFD 5-5-*/M18	G25	BKWM 14-755-*	G8	BS 5131-0	C24
BKFD 5-PCB	G27	BKWM 14-836-*	G9	BS 5132-0	C25
BKFD 6-6-*	G23	BKWM 14-917-*	G9	BS 5133-0	C24
BKFD 6-6-*/M18	G25	BKWM 14-954-*/S101	G9	BS 5136-0	C27
BKFD 6-PCB	G27	BKWM 14-998-*	G8	BS 5141-0	C24
BKFD 7-7-*	G23	BKWM 19-873-*	G10	BS 5142-0	C25
BKFD 7-7-*/M18	G25	BKWM 19-995-*	G10	BS 5143-0	C24
BKFD 7-PCB	G27	BKWM 19-996-*/S90	G10	BS 5146-0	C27
BKFD 8-8-*	G23	BKWM 19-997-*/S101	G10	BS 5231-0	C25
BKFD 8-8-*/M18	G25	BKWM 22-380-*	J28	BS 5241-0	C25
BKFD 8-PCB	G27	BKWM 34-198-*	J28	BS 6-0	G35
BKFK-CC	G38	BKWM 44-193-*	J28	BS 7-0	G35
BKK-CC	G38	BKWM 5-084-*	G6	BS 71101-0/21	F50
BKM 12-001-*	G7	BKWM 6-085-*	G6	BS 71121-0/21	F50
BKM 12-967-*	G7	BKWM 7-086-*	G6	BS 716B61-0/21	F49
BKM 12-999-*/S101	G7	BKWM 8-087-*	G6	BS 7171-0/21	F49
BKM 14-000-*/S101	G8	BKWMS 22-1759-*	J28	BS 7181-0/21	F49
BKM 14-002-*	G8	BKWMS 34-1364-*	J28	BS 7191-0/21	F50
BKM 14-755-*	G8	BKWMS 44-1363-*	J28	BS 8-0	G35
BKM 14-836-*	G9	BM 8151-0/PG 9	D83	BS 81121-0/PG 9	D84
BKM 14-917-*	G9	BMSWS 8151-0/9	D90	BS 8141-0	D83
BKM 14-954-*/S101	G9	BMSWS 8151-8.5/PDP	P19	BS 8141-0/LABEL	D85
BKM 14-998-*	G8	BMSWS 8251-0/9	D90	BS 8141-0/PG 9	D83
BKM 19-873-*	G10	BMSWS 8251-8.5/PDP	P19	BS 8141-0/PG9	P39
BKM 19-995-*	G10	BMWS 8151-0/9	D90	BS 8141-0/PG9	R20
BKM 19-996-*/S90	G10	BMWS 8151-8.5/PDP	P19	BS 8141-0/PG9/LABEL	D85
BKM 19-997-*/S101	G10	BMWS 8251-0/9	D90	BS 8141-P7X2-0	D87
BKM 22-380-*	J28	BMWS 8251-8.5/PDP	P19	BS 8145-0	D86
BKM 34-198-*	J28	BS	R19	BS 8146-0	D88
BKM 44-193-*	J28	BS 12-0	G36	BS 8151-0/PG 9	D83
BKM 5-084-*	G6	BS 14-0	G37	BS 8151-0/PG9/DNET	M47
BKM 6-085-*	G6	BS 19-0	G37	BS 8151-0/PG9/LABEL	D85
BKM 7-086-*	G6	BS 22-0	J29	BS 8155-0	D86
BKM 8-087-*	G6	BS 34-0	J29	BS 8157-0/PG 9	D84
BKM-CC	G38	BS 4131-0/13.5	F48	BS 8181-0	D84
BKM-CC	J40	BS 4131-0/9	F48	BS 8241-0	D83
BKM-MC	G38	BS 4140-0/9	P37	BS 8241-0/LABEL	D85
BKM-MC	J40	BS 4141-0/13.5	F48	BS 8241-0/PG 9	D83
BKMS 22-1759-*	J28	BS 4141-0/13.5	P37	BS 8241-0/PG9	P39
BKMS 34-1364-*	J28	BS 4141-0/9	F48	BS 8241-0/PG9	R20
BKMS 44-1363-*	J28	BS 4151-0/13.5	F48	BS 8241-0/PG9/LABEL	D85
BKS 12-0	G36	BS 4151-0/13.5/DNET	M46	BS 8246-0	D88
BKV	N22	BS 4151-0/16	F48	BS 8251-0/PG 9	D83
BKV	R19	BS 4151-0/16/DNET	M46	BS 8251-0/PG9/DNET	M47
BKV 4140-0/11/FF	N22	BS 4151-0/9	F48	BS 8251-0/PG9/LABEL	D85
BKV 4140-0/16	P38	BS 4151-0/9/DNET	M46	BS 8281-0	D84

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BS 8346-0	D88	BSF 7-7-*/14.5/NPT	G19	BSM 14-954-*/S101	G9
BSF 12	G29	BSF 7-7-*/18.375/NPT	G21	BSM 14-998-*	G8
BSF 12-12-*	G14	BSF 7-7-*/M18	G15	BSM 19-873-*	G10
BSF 12-12-*/14.5/NPT	G20	BSF 7-7-*/M20	G17	BSM 19-995-*	G10
BSF 12-12-*/18.375/NPT	G22	BSF 8-8-*	G13	BSM 19-996-*/S90	G10
BSF 12-12-*/M18	G16	BSF 8-8-*/14.5/NPT	G19	BSM 19-997-*/S101	G10
BSF 12-12-*/M20	G18	BSF 8-8-*/18.375/NPT	G21	BSM 22-380-*	J28
BSF 14	G29	BSF 8-8-*/M18	G15	BSM 34-198-*	J28
BSF 14-10-*	G14	BSF 8-8-*/M20	G17	BSM 44-193-*	J28
BSF 14-10-*/14.5/NPT	G20	BSF-CC	G38	BSM 5-084-*	G6
BSF 14-10-*/18.375/NPT	G22	BSFD 12	G29	BSM 6-085-*	G6
BSF 14-10-*/M18	G16	BSFD 12-12-*	G24	BSM 7-086-*	G6
BSF 14-10-*/M20	G18	BSFD 12-12-*/M18	G26	BSM 8-087-*	G6
BSF 14-12-*	G14	BSFD 12-PCB	G28	BSM/2BKM 22	J32
BSF 14-12-*/14.5/NPT	G20	BSFD 14	G29	BSM/2BKM 22-380-*	J32
BSF 14-12-*/18.375/NPT	G22	BSFD 14-10-*	G24	BSM/2BKM 22-380-*/*/*	J32
BSF 14-12-*/M18	G16	BSFD 14-10-*/M18	G26	BSM/2BKM 34	J32
BSF 14-12-*/M20	G18	BSFD 14-12-*	G24	BSM/2BKM 34-198-*	J32
BSF 14-14-*	G14	BSFD 14-12-*/M18	G26	BSM/2BKM 34-198-*/*/*	J32
BSF 14-14-*/14.5/NPT	G20	BSFD 14-14-*	G24	BSM/2BKM 44	J32
BSF 14-14-*/18.375/NPT	G22	BSFD 14-14-*/M18	G26	BSM/2BKM 44-193-*	J32
BSF 14-14-*/M18	G16	BSFD 14-PCB	G28	BSM/2BKM 44-193-*/*/*	J32
BSF 14-14-*/M20	G18	BSFD 19	G29	BSM/2BKM 5	G30
BSF 19	G29	BSFD 19-19-*	G24	BSM/2BKM 5-084-*	G30
BSF 19-19-*	G14	BSFD 19-19-*/M18	G26	BSM/2BKM 6	G30
BSF 19-19-*/14.5/NPT	G20	BSFD 19-PCB	G28	BSM/2BKM 6-085-*	G30
BSF 19-19-*/18.375/NPT	G22	BSFD 22-*/M18	J29	BSM/2BKM 7	G30
BSF 19-19-*/M18	G16	BSFD 34-*/M18	J29	BSM/2BKM 7-086-*	G30
BSF 19-19-*/M20	G18	BSFD 44-*/M18	J29	BSM/2BKM 8	G30
BSF 22-*/14.5/NPT	J29	BSFD 5-5-*	G23	BSM/2BKM 8-087-*	G30
BSF 22-*/18.375/NPT	J29	BSFD 5-5-*/M18	G25	BSM/BKM/T22-380-*	J32
BSF 22-*/M18	J29	BSFD 5-PCB	G27	BSM/BKM/T34-198-*	J32
BSF 22-*/M20	J29	BSFD 6-6-*	G23	BSM/BKM/T44-193-*	J32
BSF 34-*/14.5/NPT	J29	BSFD 6-6-*/M18	G25	BSM-CC	G38
BSF 34-*/18.375/NPT	J29	BSFD 6-PCB	G27	BSM-CC	J40
BSF 34-*/M18	J29	BSFD 7-7-*	G23	BSM-MC	G38
BSF 34-*/M20	J29	BSFD 7-7-*/M18	G25	BSM-MC	J40
BSF 44-*/14.5/NPT	J29	BSFD 7-PCB	G27	BSMS 22-1759-*	J28
BSF 44-*/18.375/NPT	J29	BSFD 8-8-*	G23	BSMS 34-1364-*	J28
BSF 44-*/M18	J29	BSFD 8-8-*/M18	G25	BSMS 44-1363-*	J28
BSF 44-*/M20	J29	BSFD 8-PCB	G27	BSS 12-0	G36
BSF 5-5-*	G13	BSFK-CC	G38	BSV	N22
BSF 5-5-*/14.5/NPT	G19	BSK-CC	G38	BSV	R19
BSF 5-5-*/18.375/NPT	G21	BSK-CC	J40	BSV 4140-0/11/FF	N22
BSF 5-5-*/M18	G15	BSM 12-001-*	G7	BSV 4140-0/16	P38
BSF 5-5-*/M20	G17	BSM 12-967-*	G7	BSV 4140-0/9	P38
BSF 6-6-*	G13	BSM 12-999-*/S101	G7	BSWM 12-001-*	G7
BSF 6-6-*/14.5/NPT	G19	BSM 14-000-*/S101	G8	BSWM 12-967-*	G7
BSF 6-6-*/18.375/NPT	G21	BSM 14-002-*	G8	BSWM 12-999-*/S101	G7
BSF 6-6-*/M18	G15	BSM 14-755-*	G8	BSWM 14-000-*/S101	G8
BSF 6-6-*/M20	G17	BSM 14-836-*	G9	BSWM 14-002-*	G8
BSF 7-7-*	G13	BSM 14-917-*	G9	BSWM 14-755-*	G8

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BSWM 14-836-*	G9	CG-3/4STRT-SHLDMTL 13-18MM	U4	CKF 12-12-*	H21
BSWM 14-917-*	G9	CG-3/8ANGLE-NYLON 4-8MM	U4	CKF 12-12-*/S817	H21
BSWM 14-954-*/S101	G9	CG-3/8STRT-METAL 4-8MM	U3	CKF 12-7-*	H21
BSWM 14-998-*	G8	CG-3/8STRT-NYLON 2-6MM	U3	CKF 12-9-*	H21
BSWM 19-873-*	G10	CG-3/8STRT-SHLDMTL 4-8MM	U4	CKF 16-0	H34
BSWM 19-995-*	G10	CG-PG11ANGLE -NYLON 5-10MM	U4	CKF 19-0	H34
BSWM 19-996-*/S90	G10	CG-PG11STRT-METAL 5-10MM	U3	CKF 19-11-*	H22
BSWM 19-997-*/S101	G10	CG-PG11STRT-NYLON 5-10MM	U3	CKF 19-15-*	H22
BSWM 22-380-*	J28	CG-PG7STRT-METAL 3-6.5MM	U3	CKF 19-19-*	H22
BSWM 34-198-*	J28	CG-PG7STRT-NYLON 3-6.5MM	U3	CKF 64-6-*	J44
BSWM 44-193-*	J28	CG-PG9ANGLE-NYLON 4-8MM	U4	CKF 74-7-*	J44
BSWM 5-084-*	G6	CG-PG9STRT-METAL 4-8MM	U3	CKF 94-9-*	J44
BSWM 6-085-*	G6	CG-PG9STRT-NYLON 4-8MM	U3	CKFD 12-0	H35
BSWM 7-086-*	G6	CK 12-0	H32	CKFD 12-11-*	H26
BSWM 8-087-*	G6	CK 125-0	H32	CKFD 12-12-*	H26
BSWMS 22-1759-*	J28	CK 16-0	H32	CKFD 12-12-*/S817	H26
BSWMS 34-1364-*	J28	CK 19-0	H32	CKFD 12-7-*	H26
BSWMS 44-1363-*	J28	CKAF 16-10-*	H23	CKFD 12-9-*	H26
BSWS 8141-0	D84	CKAF 16-12-*	H23	CKFD 16-0	H35
BSWS 8151-0	D84	CKAF 16-14-*	H23	CKFD 19-0	H35
BSWS 8241-0	D84	CKAFD 16-10-*	H28	CKFD 19-11-*	H27
BSWS 8251-0	D84	CKAFD 16-12-*	H28	CKFD 19-15-*	H27
BWS 8141-0	D84	CKAFD 16-14-*	H28	CKFD 19-19-*	H27
BWS 8151-0	D84	CKAM 16-10-*	H10	CKFL 12-0	H34
BWS 8251-0	D84	CKAM 16-12-*	H10	CKFL 16-0	H34
CA-1/CK 12	H36	CKAM 16-14-*	H10	CKFL 19-0	H34
CA-1/CK 19	H36	CKAWM 16-10-*	H10	CKFL 64-6-*	J44
CA-1/CKV 12	H36	CKAWM 16-12-*	H10	CKFL 74-7-*	J44
CA-1/CKV 19	H36	CKAWM 16-14-*	H10	CKFL 94-9-*	J44
CA-1/FK 4.5	D92	CKBF 12-11-*	H23	CKFMF 622-6-*	J44
CA-1/FKW 4.5	D93	CKBF 12-7-*	H23	CKFMF 822-8-*	J44
CA-1/RKF 30	F51	CKBFD 12-11-*	H29	CKF-TOOL	H37
CA-1/RKF 40	F51	CKBFD 12-7-*	H29	CKM 12-11-*	H5
CA-1/RKF 50	F51	CKBM 12-11-*	H12	CKM 12-11-*/S90	H5
CA-2/FK 4.5	D92	CKBM 12-7-*	H12	CKM 12-12-*/S101	H5
CA-2/FKW 4.5	D93	CKBWM 12-11-*	H12	CKM 12-12-*/S817	H5
CA-2/RKF 30	F52	CKBWM 12-7-*	H12	CKM 12-7-*	H5
CA-2/RKF 30/S651	F52	CK-CC	H37	CKM 12-7-*/S90	H5
CA-2/RKF 40	F52	CKCF 12-11-*	H24	CKM 12-9-*	H5
CA-2/RKF 40/S651	F52	CKCF 12-7-*	H24	CKM 12-9-*/S90	H5
CA-2/RKF 50	F52	CKCFD 12-11-*	H29	CKM 19-11-*	H7
CA-2/RKF 50/S651	F52	CKCFD 12-7-*	H29	CKM 19-11-*/S90	H7
CBC5 57x-*M	M14	CKCM 12-11-*	H12	CKM 19-15-*	H7
CG-1/2ANGLE-NYLON 10-14MM	U4	CKCM 12-11-*/S90	H12	CKM 19-15-*/S90	H7
CG-1/2ANGLE-NYLON 5-9MM	U4	CKCM 12-7-*	H12	CKM 19-19-*	H7
CG-1/2STRT-METAL 6-12MM	U3	CKCM 12-7-*/S90	H12	CKM 19-19-*/S101	H7
CG-1/2STRT-NYLON 10-14MM	U3	CKCWM 12-11-*	H12	CKM 19-19-*/S90	H7
CG-1/2STRT-NYLON 5-9MM	U3	CKCWM 12-11-*/S90	H12	CKM 622-059-*	J44
CG-1/2STRT-SHLDMTL 6-12MM	U4	CKCWM 12-7-*	H12	CKM 64-078-*	J44
CG-3/4ANGLE-NYLON 9-16MM	U4	CKCWM 12-7-*/S90	H12	CKM 74-079-*	J44
CG-3/4STRT-METAL 13-18MM	U3	CKF 12-0	H34	CKM 822-287-*	J44
CG-3/4STRT-NYLON 9-16MM	U3	CKF 12-11-*	H21	CKM 94-080-*	J44

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CKMH 19-19-*	H17	CMB 8141-0	D89	CSCFD 12-11-*	H29
CKMH 19-19-*/S90	H17	CMB 8151-0	D89	CSCFD 12-7-*	H29
CKMS 12-11-190-*	H9	CMB 8181-0	D89	CSCM 12-11-*	H12
CKMS 12-7-204-*	H9	CMB 8241-0	D89	CSCM 12-11-*/S90	H12
CKMS 12-9-203-*	H9	CMB 8251-0	D89	CSCM 12-7-*	H12
CKMS 19-191-*	H9	CMBD 8141-0/PG9	K24	CSCM 12-7-*/S90	H12
CKMS 622-059-*	J44	CMBD 8141-0/PG9	L12	CSCWM 12-11-*	H12
CKMS 822-287-*	J44	CMBD 8241-0/PG9	K24	CSCWM 12-11-*/S90	H12
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CKNF 16-16-*	H25	CMBD 8241-0/PG9	L12	CSCWM 12-7-*/S90	H12
CKNFD 12-9-*	H30	CMBSD 8141-0/PG9	K24	CSF 12-0	H34
CKNFD 16-16-*	H30	CMBSD 8141-0/PG9	L12	CSF 12-11-*	H21
CKNM 12-9-*	H14	CMBSD 8241-0/PG9	K24	CSF 12-12-*	H21
CKNM 16-16-*	H14	CMBSD 8241-0/PG9	L12	CSF 12-12-*/S817	H21
CKNWM 12-9-*	H14	CMBSD 8241-0/PG9	L12	CSF 12-7-*	H21
CKNWM 16-16-*	H14	Connector, FW, RJ45S 84 IDC	K23	CSF 12-9-*	H21
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CKRFD 12-6-*	H30	Connector, PDP, D9SM	P11	CSF 19-19-*	H22
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CKRM 12-6-*	H14	CS 125-0	H33	CSF 74-7-*	J44
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CKRWM 12-10-*	H14	CS 19-0	H33	CSF 94-9-*	J44
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CKWM 12-11-*/S90	H5	CSAFD 16-12-*	H28	CSCFD 12-9-*	H26
CKWM 12-12-*/S101	H5	CSAFD 16-14-*	H28	CSCFD 19-11-*	H27
CKWM 12-12-*/S817	H5	CSAM 16-10-*	H10	CSCFD 19-15-*	H27
CKWM 12-7-*	H5	CSAM 16-12-*	H10	CSCFD 19-19-*	H27
CKWM 12-7-*/S90	H5	CSAM 16-14-*	H10	CSFF 622-6-*	J44
CKWM 12-9-*	H5	CSAWM 16-10-*	H10	CSFF 822-8-*	J44
CKWM 12-9-*/S90	H5	CSAWM 16-12-*	H10	CSFL 12-0	H34
CKWM 19-11-*	H7	CSAWM 16-14-*	H10	CSFL 16-0	H34
CKWM 19-11-*/S90	H7	CSBF 12-11-*	H23	CSFL 19-0	H34
CKWM 19-15-*	H7	CSBF 12-7-*	H23	CSFL 64-6-*	J44
CKWM 19-15-*/S90	H7	CSBFD 12-11-*	H29	CSFL 74-7-*	J44
CKWM 19-19-*	H7	CSBFD 12-7-*	H29	CSFL 94-9-*	J44
CKWM 19-19-*/S101	H7	CSBFD 12-11-*	H29	CSM 12-11-*	H5
CKWM 19-19-*/S90	H7	CSBFD 12-7-*	H29	CSM 12-11-*/S90	H5
CKWM 622-059-*	J44	CSBM 12-11-*	H12	CSM 12-12-*/S101	H5
CKWM 822-287-*	J44	CSBM 12-7-*	H12	CSM 12-12-*/S817	H5
CKWMS 12-11-190-*	H9	CSBWM 12-11-*	H12	CSM 12-7-*	H5
CKWMS 12-7-204-*	H9	CSBWM 12-7-*	H12	CSM 12-7-*/S90	H5
CKWMS 12-9-203-*	H9	CS-CC	H37	CSM 12-9-*	H5
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CSM 19-15-*	H7	CSSM 12-9-*	H6	CSWM 12-9-*/S90	H5
CSM 19-15-*/S90	H7	CSSM 12-9-*/S90	H6	CSWM 19-11-*	H7
CSM 19-19-*	H7	CSSM 19-11-*	H8	CSWM 19-11-*/S90	H7
CSM 19-19-*/S101	H7	CSSM 19-11-*/S90	H8	CSWM 19-15-*	H7
CSM 19-19-*/S90	H7	CSSM 19-15-*	H8	CSWM 19-15-*/S90	H7
CSM 64-078-*	J44	CSSM 19-15-*/S90	H8	CSWM 19-19-*	H7
CSM 74-079-*	J44	CSSM 19-19-*	H8	CSWM 19-19-*/S101	H7
CSM 94-080-*	J44	CSSM 19-19-*/S101	H8	CSWM 19-19-*/S90	H7
CSMS 12-11-190-*	H9	CSSM 19-19-*/S90	H8	CSWMS 12-11-190-*	H9
CSMS 12-7-204-*	H9	CSSM 622-059-*	J44	CSWMS 12-7-204-*	H9
CSMS 12-9-203-*	H9	CSSM 64-078-*	J44	CSWMS 12-9-203-*	H9
CSMS 19-191-*	H9	CSSM 74-079-*	J44	CSWMS 19-191-*	H9
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CSNFD 12-9-*	H30	CSSMS 622-059-*	J44	D9SM 45x-*M	P10
CSNFD 16-16-*	H30	CSSMS 822-287-*	J44	D9SM/T 45x-*M	P9
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CSNM 16-16-*	H14	CSSNM 16-16-*	H15	DBKM 8151-0	D91
CSNWM 12-9-*	H14	CSSNWM 12-9-*	H15	DBS 8151-0	D91
CSNWM 16-16-*	H14	CSSNWM 16-16-*	H15	DBSM 8151-0	D91
CSRFB 12-10-*	H25	CSSRF 12-10-*	H13	DKF 26-25-*	H31
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CSRFD 12-10-*	H30	CSSRWM 12-10-*	H13	DKM 26-631-*	H18
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CSRFD 12-8-*	H30	CSSRWM 12-8-*	H13	DSF 26-25-*	H31
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CSRSM 12-10-*	H14	CSSSWM 12-12-*/S817	H6	DSS 28-061-*	H19
CSRWM 12-6-*	H14	CSSWM 12-7-*	H6	DSSM 26-631-*	H19
CSRWM 12-8-*	H14	CSSWM 12-7-*/S90	H6	DSSM 28-061-*	H19
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CSSAWM 16-10-*	H11	CSSWM 19-19-*/S101	H8	E-RKC 8T-930-*/S1115	D39
CSSAWM 16-12-*	H11	CSSWM 19-19-*/S90	H8	E-RKS 8T-264-*	D40
CSSAWM 16-14-*	H11	CSSWM 622-059-*	J44	E-RKS 8T-930-*	D40
CSSBM 12-11-*	H13	CSSWM 822-287-*	J44	E-RSC 8T-264-*	D39
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CSSBWM 12-11-*	H13	CSSWMS 822-287-*	J44	E-RSC 8T-930-*/S1115	D39
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CSSM 12-11-*	H6	CSWM 12-11-*/S90	H5	E-RSS 8T-930-*	D40
CSSM 12-11-*/S90	H6	CSWM 12-12-*/S101	H5	ESBW 3 (10/BAG)	E18
CSSM 12-12-*/S101	H6	CSWM 12-12-*/S817	H5	ESBW 4 (10/BAG)	E18
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ESGM 3L	C30	FFV 3/8INCH BLACK 50 FOOT ROLL	U8	FK 4.5-*/18.25/S653	D49
ESGM 3P	C30	FFV 5/8INCH BLACK (10/BAG-6IN)	U8	FK 4.5-*/M20	D57
ESGM 4L	C30	FFV 5/8INCH BLACK 50 FOOT ROLL	U8	FK 4.5-*/S627	D46
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ESHM 3P	C29	FFW 3INC 2FOOT	U10	FK 4.6-*	D47
ESHM 4L	C29	FFW 4INC 2FOOT	U10	FK 4.6-*/14.5	D52
ESHM 4P	C29	FFW 5INC 2FOOT	U10	FK 4.6-*/14.5/NPT	D55
ESM 3S	C29	FFW 6INC 2FOOT	U10	FK 4.6-*/18.25	D50
ESM 4S	C29	FFW 7INC 2FOOT	U10	FK 45 PCB	P16
ESM 6S	C29	FFW 8INC 2FOOT	U10	FK 57-*M	M42
EWAK 4 PCB (10/BAG)	D95	FK 10-*	D48	FK 57-*M/14.5	M41
EWAK 4.4 PCB (10/BAG)	D95	FK 10-*/14.5	D53	FK 57-*M/14.75	M41
EWAK 4.5 PCB (10/BAG)	D95	FK 10-*/14.5/NPT	D56	FK 57-*M/M20	M41
EWAS 4.4 (10/BAG)	D95	FK 10-*/18.25	D51	FK 57-*M/NPT	M42
EWAS 4.5 (10/BAG)	D95	FK 10-*/M20	D58	FK 57-IDC	M19
EWAS 6 (10/BAG)	D95	FK 12-*	D48	FK 57-IDC ET	M19
EWAS 8 (10/BAG)	D95	FK 12-*/14.5	D53	FK 57-PCB	M44
EWASW 4.5 (10/BAG)	D95	FK 12-*/14.5/NPT	D56	FK 57-PCB KIT	M44
E-WKC 8T-264-*	D39	FK 12-*/18.25	D51	FK 6-*	D47
E-WKC 8T-930-*	D39	FK 12-*/M20	D58	FK 6-*/14.5	D52
E-WKC 8T-930-*/S1115	D39	FK 25-*M	R18	FK 6-*/14.5/NPT	D55
E-WKC 8T-PX3-930-*	D33	FK 25-*M/14.5	R17	FK 6-*/18.25	D50
E-WKS 8T-264-*	D40	FK 25-*M/14.75	R17	FK 6-*/M20	D57
E-WKS 8T-930-*	D40	FK 25-*M/M20	R17	FK 8-*	D47
E-WSC 8T-264-*	D39	FK 25-*M/NPT	R18	FK 8-*/14.5	D53
E-WSC 8T-930-*	D39	FK 4.2-*	D46	FK 8-*/14.5/NPT	D56
E-WSC 8T-930-*/S1115	D39	FK 4.2-*/14.5/NPT	D54	FK 8-*/18.25	D50
E-WSS 8T-264-*	D40	FK 4.21-*	D46	FK 8-*/18.25/S1505	D50
E-WSS 8T-930-*	D40	FK 4.22-*	D46	FK 8-*/M20	D58
FF 1/2INCH BLACK (10/BAG)	U8	FK 4.22-*/14.5/NPT	D54	FK 8.6-*	D47
FF 1/2INCH BLACK 50 FOOT ROLL	U8	FK 4.4	D63	FK 8.6-*/14.5	D53
FF 3/4INCH BLACK (10/BAG)	U8	FK 4.4-*	D46	FK 8.6-*/14.5/NPT	D56
FF 3/4INCH BLACK 50 FOOT ROLL	U8	FK 4.4-*/14.5	D52	FK 8.6-*/18.25	D50
FF 78 AL	F63	FK 4.4-*/14.5/NPT	D54	FK 8.6-*/M20	D58
FFFS BLK ID 1-INCH (10/BAG-6IN)	U9	FK 4.4-*/14.5/NPT/S613	D54	FK 84-PCB	K13
FFFS BLK ID 1-INCH-30M	U9	FK 4.4-*/14.5/S613	D52	FK 84-PCB KIT	K13
FFFS BLK ID 3/4-INCH (10/BAG-6IN)	U9	FK 4.4-*/14.5/S621	D52	FK FS 4.4/M12	D82
FFFS BLK ID 3/4-INCH-30M	U9	FK 4.4-*/18.25	D49	FK FS 4.5/M12	D82
FFFS WHT ID 3/8-INCH (10/BAG-6IN)	U9	FK 4.4-*/18.25/S613	D49	FK FS 4.6/M12	D82
FFFS WHT ID 3/8-INCH-30M	U9	FK 4.4-*/18.25/S621	D49	FK FS 6/M12	D82
FFFS WHT ID 5/8-INCH (10/BAG-6IN)	U9	FK 4.4-*/M20	D57	FK FS 8/M12	D82
FFFS WHT ID 5/8-INCH-30M	U9	FK 4.4-*/S613	D46	FKB 2-*/14.5	F9
FFV 1 1/2INCH BLACK (10/BAG-6IN)	U8	FK 4.4-*/S621	D46	FKB 2-*/14.5/NPT	E11
FFV 1 1/2INCH BLACK 50 FOOT ROLL	U8	FK 4.4/18.25	D62	FKB 2-*/18.25	E13
FFV 1/2INCH BLACK (10/BAG-6IN)	U8	FK 4.5	D63	FKB 3-*/14.5	E9
FFV 1/2INCH BLACK 50 FOOT ROLL	U8	FK 4.5-*	D46	FKB 3-*/14.5/NPT	E11
FFV 1/4INCH BLACK (10/BAG-6IN)	U8	FK 4.5-*/14.5	D52	FKB 3-*/14.5/S690	E9
FFV 1/4INCH BLACK 50 FOOT ROLL	U8	FK 4.5-*/14.5/NPT	D55	FKB 3-*/18.25	E13
FFV 1INCH BLACK (10/BAG-6IN)	U8	FK 4.5-*/18.25	D49	FKB 3-*/18.25/S622	E13
FFV 1INCH BLACK 50 FOOT ROLL	U8	FK 4.5-*/18.25/S621	D49	FKB 3-*/18.25/S690	E13
FFV 3/8INCH BLACK (10/BAG-6IN)	U8	FK 4.5-*/18.25/S627	D49	FKB 4-*/14.5	E9

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FKB 4-*/14.5/NPT	E11	FKFDL 10	D69	FKV 49-*M/NPT	N21
FKB 4-*/18.25	E14	FKFDL 12	D69	FKV FSV 48/M12	P33
FKB 5-*/14.5	E10	FKFDL 4.4	D68	FKV FSV 49/M12	N14
FKB 5-*/14.5/NPT	E12	FKFDL 4.5	D68	FKV-CC	D96
FKB 5-*/14.5/S690	E10	EKFDL 57	M45	FKW 4.5-*	D77
FKB 5-*/18.25	E14	EKFDL 6	D68	FKW 4.5-*/14.5	D77
FKB 5-*/18.25/S690	E14	EKFDL 8	D69	FKW 4.5*/14.5/NPT	D77
FKB 6-*/14.5	E10	EKFDL 84	K14	FKW 4.5-*/S653	D77
FKB 6-*/14.5/NPT	E12	FKFDLW 4.5	D79	FKW 45 PCB KIT	P16
FKB 6-*/18.25	E14	EKFDLW 45	P15	FKW FSW 4.5/M12	D82
FKB FSB 3	E15	FKFDV 48x-*M	P25	FKW FSW 45/M12	P17
FKB FSB 4	E15	FKFDV 49x-*M	N9	FS 10-*	D48
FKB FSB 5	E15	FKFDW 4.5	D80	FS 10-*/14.5	D53
FKBP 3-*	E15	FKFDW 4.5-*	D79	FS 10-*/14.5/NPT	D56
FKBP 5-*	E15	EKFDW 45 PCB	P15	FS 10-*/18.25	D51
FK-CC	D96	FKK-CC	D96	FS 10-*/M20	D58
FKD 10-*	D65	FKM 4.4-*	D61	FS 10-*/PG13.5	D60
FKD 12-*	D65	FKM 4.5-*	D61	FS 10-*/PG16	D59
FKD 4.4-*	D64	FKM 4.5-*/S653	D61	FS 12-*	D48
FKD 4.5-*	D64	FKM 4.6-*	D61	FS 12-*/14.5	D53
FKD 4.5-*/S653	D64	FKM 6-*	D61	FS 12-*/14.5/NPT	D56
FKD 6-*	D64	FKM 8-*	D61	FS 12-*/18.25	D51
FKD 8-*	D65	FKM FS 57/M12	M27	FS 12-*/M20	D58
FKDW 4.5-*	D78	FKMR 4.4-ESM 4S	C28	FS 12-*/PG13.5	D60
FKFD 10-*	D67	FKMR 4.4-ESM 4S	V48	FS 12-*/PG16	D59
FKFD 12-*	D67	FKMR 4-ESM 3S	C28	FS 25-*M	R18
FKFD 25x-*M	R9	FKMR 4-ESM 3S	V48	FS 25-*M/14.5	R17
FKFD 4.4	D70	FKMM 4.5-*	D78	FS 25-*M/14.75	R17
FKFD 4.4-*	D66	FKN 5-*	D46	FS 25-*M/M20	R17
FKFD 4.4-*/S621	D66	FKP 4.4-*	D81	FS 25-*M/NPT	R18
FKFD 4.5	D70	FKP 4.4-*/S621	D81	FS 4.2-*	D46
FKFD 4.5-*	D66	FKP 4.5-*	D81	FS 4.2-*/14.5/NPT	D54
FKED 4.5-2/S653	D66	FKP 4.5-*/S621	D81	FS 4.21-*	D46
FKED 57-PCB	M45	EKSDD RJ45SF 44	K22	FS 4.22-*	D46
FKED 57x-*M	M11	EKSDD RJ45SF 44	L10	FS 4.22-*/14.5/NPT	D54
FKED 6	D70	FKSDE 84x-*M	K8	FS 4.4	D63
FKED 6-*	D66	FKSDED 42x-*M	L6	FS 4.4-*	D46
FKED 8	D70	FKSDED 44x-*M	K18	FS 4.4-*/13.5 W/LN	D60
FKED 8-*	D67	FKSDWE D9S FKSDWE 45x-*M-*M	P10	FS 4.4-*/14.5	D52
FKED 8-*/S1505	D67	FKSDWE D9S/T 45x-*M	P9	FS 4.4-*/14.5/NPT	D54
FKED 84-PCB	K14	FKSDWE D9SM/T 45x-*M	P9	FS 4.4-*/14.5/NPT/S613	D54
FKED 84x-*M	K6	FKSDWE SD9S FKSDWE 45x-*M-*M	P10	FS 4.4-*/14.5/S613	D52
FKED BK52C 57x-*M	M15	FKSDWE SD9S/T 45x-*M	P9	FS 4.4-*/14.5/S621	D52
FKED CBC5 57x-*M	M15	FKV 48-*M	P31	FS 4.4-*/18.25	D49
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FKFDH 4.5	D75	FKV 48-*M/NPT	P31	FS 4.4-*/PG13.5	D60
FKFDHOW 4.5	D76	FKV 49-*M	N21	FS 4.4-*/PG16	D59
FKFDHW 4.5	D76	FKV 49-*M/14.5	N20	FS 4.4-*/S613	D46
FKFDK 4.5	D71	FKV 49-*M/14.75	N20	FS 4.4-*/S621	D46
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FS 4.5-*/14.5	D52	FSB 3-*/14.5/S690	E9	FSFDH 4.5	D75
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FS 4.5-*/18.25/S653	D49	FSB 3-*/18.25/S881	E13	FSFDL 12	D69
FS 4.5-*/M20	D57	FSB 4-*/14.5	E9	FSFDL 4.4	D68
FS 4.5-*/PG13.5	D60	FSB 4-*/14.5/NPT	E11	FSFDL 4.5	D68
FS 4.5-*/PG16	D59	FSB 4-*/18.25	E14	FSFDL 57	M45
FS 4.5-*/S627	D46	FSB 4-*/18.25/S621	E14	FSFDL 6	D68
FS 4.5-*/S653	D46	FSB 4-*/18.25/S727	E14	FSFDL 8	D69
FS 4.5/14.5	D63	FSB 5-*/14.5	E10	FSFDL 84	K14
FS 4.5-PCB	D75	FSB 5-*/14.5/NPT	E12	FSFDLW 4.5	D79
FS 4.6-*	D47	FSB 5-*/14.5/NPT/S690	E12	FSFDLW 45	P15
FS 4.6-*/14.5	D52	FSB 5-*/14.5/S690	E10	FSFDV 48x-*M	P25
FS 4.6-*/14.5/NPT	D55	FSB 5-*/18.25	E14	FSFDV 49x-*M	N9
FS 4.6-*/18.25	D50	FSB 5-*/18.25/S690	E14	FSFDW 4.5	D80
FS 57-*M	M42	FSB 6-*/14.5	E10	FSFDW 4.5-*	D79
FS 57-*M/14.5	M41	FSB 6-*/14.5/NPT	E12	FSFDW 45 PCB	P15
FS 57-*M/14.75	M41	FSB 6-*/18.25	E14	FSK-CC	D96
FS 57-*M/M20	M41	FS-CC	D96	FSMR 4.4-SKM 4	C28
FS 57-*M/NPT	M42	FSD 10-*	D65	FSMR 4.4-SKM 4	V48
FS 57-PCB	M44	FSD 12-*	D65	FSMR 4-SKM 3	C28
FS 57-PCB KIT	M44	FSD 4.4-*	D64	FSMR 4-SKM 3	V48
FS 6-*	D47	FSD 4.5-*	D64	FSN 5-*	D46
FS 6-*/14.5	D52	FSD 4.5-*/S653	D64	FSSDE 84x-*M	K8
FS 6-*/14.5/NPT	D55	FSD 6-*	D64	FSSDED 42x-*M	L6
FS 6-*/18.25	D50	FSD 8-*	D65	FSSDED 44x-*M	K18
FS 6-*/M20	D57	FSDW 4.5-*	D78	FSSDWE D9S FKSDWE 45x-*M-*M	P10
FS 6-*/PG13.5	D60	FSFD 10-*	D67	FSSDWE D9S FSSDWE 45x-*M-*M	P10
FS 6-*/PG16	D59	FSFD 12-*	D67	FSSDWE D9S/T 45x-*M	P9
FS 8-*	D47	FSFD 25x-*M	R9	FSSDWE D9SM FKSDWE 45x-*M-*M	P10
FS 8-*/14.5	D53	FSFD 4.4	D70	FSSDWE D9SM FSSDWE 45x-*M-*M	P10
FS 8-*/14.5/NPT	D56	FSFD 4.4-*	D66	FSSDWE D9SM/T 45x-*M	P9
FS 8-*/18.25	D50	FSFD 4.4-*/S621	D66	FSSDWE SD9S FKSDWE 45x-*M-*M	P10
FS 8-*/18.25/S1505	D50	FSFD 4.5	D70	FSSDWE SD9S FSSDWE 45x-*M-*M	P10
FS 8-*/M20	D58	FSFD 4.5-*	D66	FSSDWE SD9S/T 45x-*M	P9
FS 8-*/PG13.5	D60	FSFD 4.5-2/S653	D66	FSSDWE SD9S/T 45x-*M-*M	P10
FS 8-*/PG16	D59	FSFD 57-PCB	M45	FST 11N 12YARDS	U10
FS 8.6-*	D47	FSFD 57x-*M	M11	FSV 49-*M	N21
FS 8.6-*/14.5	D53	FSFD 6	D70	FSV 49-*M/14.5	N20
FS 8.6-*/14.5/NPT	D56	FSFD 6-*	D66	FSV 49-*M/14.75	N20
FS 8.6-*/18.25	D50	FSFD 8	D70	FSV 49-*M/M20	N20
FS 8.6-*/M20	D58	FSFD 8-*	D67	FSV 49-*M/NPT	N21
FS 8.6-*/PG16	D59	FSFD 8-*/S1505	D67	FSV-CC	D96
FS 84-PCB	K13	FSFD 84-PCB	K14	FSW 4.5-*	D77
FS 84-PCB KIT	K13	FSFD 84x-*M	K6	FSW 4.5-*/14.5	D77
FSB 2-*/14.5	E9	FSFD BK52C 57x-*M	M15	FSW 4.5-*/14.5/NPT	D77

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FSW 4.5-*/S653	D77	GSDF 42-*M/14.5/NPT	J12	GSDM/GKDM/T40-*S4000	J15
FSW 45 PCB	P16	GSDF 42-*M/14.75/NPT	J12	GSDM/GKDM/T42-*	J15
FSW 45 PCB KIT	P16	GSDF 44-*M/14.5/NPT	J12	GSDM/GKDM/T42-*S4000	J15
GKDF 30-*M/14.5/NPT	J12	GSDF 44-*M/14.75/NPT	J12	GSDM/GKDM/T44-*	J15
GKDF 30-*M/14.75/NPT	J12	GSDF-CC	J24	GSDM/GKDM/T44-*S4000	J15
GKDF 32-*M/14.5/NPT	J12	GSDM 30-*M	J11	GSDM-CC	J24
GKDF 32-*M/14.75/NPT	J12	GSDM 30-*M/S4000	J11	GSDM-MC	J24
GKDF 34-*M/14.5/NPT	J12	GSDM 30-0	J12	GSDWM 30-*M	J11
GKDF 34-*M/14.75/NPT	J12	GSDM 32-*M	J11	GSDWM 30-*M/S4000	J11
GKDF 40-*M/14.5/NPT	J12	GSDM 32-*M/S4000	J11	GSDWM 32-*M	J11
GKDF 40-*M/14.75/NPT	J12	GSDM 34-*M	J11	GSDWM 32-*M/S4000	J11
GKDF 42-*M/14.5/NPT	J12	GSDM 34-*M/S4000	J11	GSDWM 34-*M	J11
GKDF 42-*M/14.75/NPT	J12	GSDM 40-*M	J11	GSDWM 34-*M/S4000	J11
GKDF 44-*M/14.5/NPT	J12	GSDM 40-*M/S4000	J11	GSDWM 40-*M	J11
GKDF 44-*M/14.75/NPT	J12	GSDM 40-0	J12	GSDWM 40-*M/S4000	J11
GKDF-CC	J24	GSDM 42-*M	J11	GSDWM 42-*M	J11
GKDM 30-*M	J11	GSDM 42-*M/S4000	J11	GSDWM 42-*M/S4000	J11
GKDM 30-*M/S4000	J11	GSDM 44-*M	J11	GSDWM 44-*M	J11
GKDM 30-0	J12	GSDM 44-*M/S4000	J11	GSDWM 44-*M/S4000	J11
GKDM 32-*M	J11	GSDM BKM 34-0	J21	KB 3T-*	E4
GKDM 32-*M/S4000	J11	GSDM BKM 44-0	J21	KB 3T-*/S105	E4
GKDM 34-*M	J11	GSDM RKM 34-0	J21	KB 3T-*/S1507	E4
GKDM 34-*M/S4000	J11	GSDM RKM 44-0	J21	KB 3T-*/S749	E4
GKDM 40-*M	J11	GSDM/2GKDM 30	J15	KB 3T-*/S90	E4
GKDM 40-*M/S4000	J11	GSDM/2GKDM 30-*	J15	KB 3T-*/XOR	E4
GKDM 40-0	J12	GSDM/2GKDM 30-*S4000	J15	KB 3T-3.3/S90-SP	E7
GKDM 42-*M	J11	GSDM/2GKDM 32-*	J15	KB 4T-*	E5
GKDM 42-*M/S4000	J11	GSDM/2GKDM 32-*S4000	J15	KB 4T-*/S105	E5
GKDM 44-*M	J11	GSDM/2GKDM 34-*	J15	KB 4T-*/S727	E5
GKDM 44-*M/S4000	J11	GSDM/2GKDM 34-*S4000	J15	KB 4T-*/S90	E5
GKDM-CC	J24	GSDM/2GKDM 40	J15	KB 4T-3.3/S90-SP/S727	E7
GKDM-MC	J24	GSDM/2GKDM 40-*	J15	KB 5T-*	E5
GKDWM 30-*M	J11	GSDM/2GKDM 40-*S4000	J15	KB 6T-*	E5
GKDWM 30-*M/S4000	J11	GSDM/2GKDM 42-*	J15	KBE 2T-*	E6
GKDWM 32-*M	J11	GSDM/2GKDM 42-*S4000	J15	KBE 3T-*	E6
GKDWM 32-*M/S4000	J11	GSDM/2GKDM 44-*	J15	KBE 3T-*/S1587	E6
GKDWM 34-*M	J11	GSDM/2GKDM 44-*S4000	J15	KBE 3T-*/S600	E6
GKDWM 34-*M/S4000	J11	GSDM/GKDM/BKM 34	J15	KBE 5T-*	E6
GKDWM 40-*M	J11	GSDM/GKDM/BKM 34-*S4000	J15	KBE 5T-*/S1587	E6
GKDWM 40-*M/S4000	J11	GSDM/GKDM/BKM 44	J15	KBE 5T-*/S600	E6
GKDWM 42-*M	J11	GSDM/GKDM/BKM 44-*S4000	J15	KS 5/10	U5
GKDWM 42-*M/S4000	J11	GSDM/GKDM/RKM 34-*	J15	LN 1/4-18/10	U6
GKDWM 44-*M	J11	GSDM/GKDM/RKM 34-*S4000	J15	LN-PG 9	U6
GKDWM 44-*M/S4000	J11	GSDM/GKDM/RKM 44-*	J15	LOCK-A POWER	J6
GSDF 30-*M/14.5/NPT	J12	GSDM/GKDM/RKM 44-*S4000	J15	LOCK-D POWER	J24
GSDF 30-*M/14.75/NPT	J12	GSDM/GKDM/T30-*	J15	LOCKNUT 1/2-14 Hex (10/Bag)	U6
GSDF 32-*M/14.5/NPT	J12	GSDM/GKDM/T30-*S4000	J15	LOCKNUT 1/2-14/10 Hex	U6
GSDF 32-*M/14.75/NPT	J12	GSDM/GKDM/T32-*	J15	LOCKNUT 1/4-18 (10/Bag)	U6
GSDF 34-*M/14.5/NPT	J12	GSDM/GKDM/T32-*S4000	J15	LOCKNUT 1/4-18/10	U6
GSDF 34-*M/14.75/NPT	J12	GSDM/GKDM/T34-*	J15	LOCKNUT-PG 13.5 Metal (5/Bag)	U6
GSDF 40-*M/14.5/NPT	J12	GSDM/GKDM/T34-*S4000	J15	LOCKNUT-PG 9 Metal (5/Bag)	U6
GSDF 40-*M/14.75/NPT	J12	GSDM/GKDM/T40-*	J15	MB-MINITEE 1	F63

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MF 3131-0	E16	NM-WKC 4.5T-*/S90/S849	D43	PKG 5Z PSG 57x-*M	M22
MF 3231-0	E16	NM-WKC 4T-*/S849	D43	PKG 5Z RKT 57x-*M	M22
MFK 3	C31	NM-WKC 4T-*/S90/S849	D43	PKG 5Z RST 57x-*M	M22
MFK 4	C31	NM-WSC 4.4T-*/S849	D43	PKG 5Z WKT 57x-*M	M22
MFKB 3	C31	NM-WSC 4.4T-*/S90/S849	D43	PKG 5Z WST 57x-*M	M22
MFKB 3L	C31	NM-WSC 4.5T-*/S849	D43	PKG 6M-*	C9
MFKB 4	C31	NM-WSC 4.5T-*/S90/S849	D43	PKG 6M-*/S760	C9
MFKB 4L	C31	NM-WSC 4T-*/S849	D43	PKG 6M-*/S90	C9
MFKS 3-*	C17	NM-WSC 4T-*/S90/S849	D43	PKG 6M-*/S90/S618	C9
MFKS 3F	C22	PDP-Connector/SD9S	P12	PKG 6Z-*	C6
MFKS 3F-PCBF	C19	PDP-TRA	P14	PKG 6Z-*/S760	C6
MFKS 4-*	C17	PKG 3M-*	C7	PKG 6Z-*/S90	C6
MFKS 4F	C22	PKG 3M-*/S1587	C7	PKG 6Z-*/S90/S618	C6
MFKS 4F-PCBF	C19	PKG 3M-*/S760	C7	PKG-CC	C32
MFKS 6-*	C17	PKG 3M-*/S90	C7	PKG-MC	C32
MFKS 6F	C22	PKG 3M-*/S90/S101	C7	PKGS 3M-*	C10
MFKSH 3F-PCB	C21	PKG 3M-*/S90/S1084	C7	PKGS 3M-*/S90	C10
MFKSH 4F-PCB	C21	PKG 3M-*/S90/S618	C7	PKGS 4M-*	C10
MFKSHL 3F-PCB	C21	PKG 3M-*/XOR	C7	PKGS 4M-*/S90	C10
MFKSHL 4F-PCB	C21	PKG 3M-3/S90-SP	C15	PKW 3M-*	C7
MFS 3-*	C17	PKG 3Z-*	C4	PKW 3M-*/S1587	C7
MFS 3131-0	E16	PKG 3Z-*/S760	C4	PKW 3M-*/S760	C7
MFS 3231-0	E16	PKG 3Z-*/S90	C4	PKW 3M-*/S90	C7
MFS 3F-*	C18	PKG 3Z-*/S90/S101	C4	PKW 3M-*/S90/S101	C7
MFS 4-*	C17	PKG 3Z-*/S90/S618	C4	PKW 3M-*/S90/S1084	C7
MFS 4F-*	C18	PKG 3Z-*/XOR	C4	PKW 3M-*/S90/S618	C7
MFS 6-*	C17	PKG 3Z-3/S90-SP	C14	PKW 3M-*/XOR	C7
MFS 6F-*	C18	PKG 4M-*	C8	PKW 3M-3/S90-SP	C15
MFSS 3-*	C18	PKG 4M-*/S760	C8	PKW 3M-N7X2-*	C12
MFSS 4-*	C18	PKG 4M-*/S90	C8	PKW 3M-N7X2-*/S90	C12
MFSS 6-*	C18	PKG 4M-*/S90/S101	C8	PKW 3M-N7X2-*/S90/S101	C12
MFSV MFKV 3/M8	C23	PKG 4M-*/S90/S618	C8	PKW 3M-N7X2-*/S90/S618	C12
MFSV MFKV 4/M8	C23	PKG 4M-*/S90/S653	C8	PKW 3M-P7X2-*	C12
MFSV MFKV 6/M8	C23	PKG 4M-3/S90-SP	C15	PKW 3M-P7X2-*/S90	C12
MT-RKM/RSM/RKM 57/DNET/VM	M32	PKG 4Z-*	C5	PKW 3M-P7X2-*/S90/S101	C12
MT-RSM/2RKM 57/DNET	M33	PKG 4Z-*/S760	C5	PKW 3Z-*	C4
MT-RSM/2RKM 57/DNET/VM	M32	PKG 4Z-*/S90	C5	PKW 3Z-*/S760	C4
NM-RKC 4.4T-*/S849	D43	PKG 4Z-*/S90/S101	C5	PKW 3Z-*/S90	C4
NM-RKC 4.4T-*/S90/S849	D43	PKG 4Z-*/S90/S618	C5	PKW 3Z-*/S90/S101	C4
NM-RKC 4.5T-*/S849	D43	PKG 4Z-*/S90/S653	C5	PKW 3Z-*/S90/S618	C4
NM-RKC 4.5T-*/S90/S849	D43	PKG 4Z-3/S90-SP	C14	PKW 3Z-*/XOR	C4
NM-RKC 4T-*/S849	D43	PKG 5M PKG 5M-57x	M21	PKW 3Z-3/S90-SP	C14
NM-RKC 4T-*/S90/S849	D43	PKG 5M PKW 5M-57x	M21	PKW 3Z-N7X2-*	C11
NM-RSC 4.4T-*/S849	D43	PKG 5M PSG 5M-57x	M21	PKW 3Z-N7X2-*/S90	C11
NM-RSC 4.4T-*/S90/S849	D43	PKG 5M PSW 5M-57x	M21	PKW 3Z-N7X2-*/S90/S101	C11
NM-RSC 4.5T-*/S849	D43	PKG 5M RKT 57x*M	M21	PKW 3Z-N7X2-*/S90/S618	C11
NM-RSC 4.5T-*/S90/S849	D43	PKG 5M RST 57x*M	M21	PKW 3Z-P7X2-*	C11
NM-RSC 4T-*/S849	D43	PKG 5M WKT 57x*M	M21	PKW 3Z-P7X2-*/S90	C11
NM-RSC 4T-*/S90/S849	D43	PKG 5M WST 57x*M	M21	PKW 3Z-P7X2-*/S90/S101	C11
NM-WKC 4.4T-*/S849	D43	PKG 5M-57x	M21	PKW 3Z-P7X2-*/S90/S618	C11
NM-WKC 4.4T-*/S90/S849	D43	PKG 5Z 57x-*M	M22	PKW 4M-*	C8
NM-WKC 4.5T-*/S849	D43	PKG 5Z PKGZ 5Z 57x-*M	M22	PKW 4M-*/S760	C8

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PKW 4M-*/S90	C8	PSG 3-3/S90-SP	C14	PSGS 3M-*	C10
PKW 4M-*/S90/S101	C8	PSG 3F-*	C7	PSGS 3M-*/S90	C10
PKW 4M-*/S90/S618	C8	PSG 3M-*	C7	PSGS 4M-*	C10
PKW 4M-*/S90/S653	C8	PSG 3M-*/S1587	C7	PSGS 4M-*/S90	C10
PKW 4M-3/S90-SP	C15	PSG 3M-*/S760	C7	PSW 3-*	C4
PKW 4M-N7X2-*	C13	PSG 3M-*/S90	C7	PSW 3-*/S760	C4
PKW 4M-N7X2-*/S90	C13	PSG 3M-*/S90/S101	C7	PSW 3-*/S90	C4
PKW 4M-N7X2-*/S90/S101	C13	PSG 3M-*/S90/S1084	C7	PSW 3-*/S90/S101	C4
PKW 4M-N7X2-*/S90/S618	C13	PSG 3M-*/S90/S618	C7	PSW 3-*/S90/S618	C4
PKW 4M-P7X2-*	C13	PSG 3M-*/XOR	C7	PSW 3-*/XOR	C4
PKW 4M-P7X2-*/S90	C13	PSG 3M-*/S1587	C7	PSW 3-3/S90-SP	C14
PKW 4M-P7X2-*/S90/S101	C13	PSG 3M-*/S90/S1084	C7	PSW 3M-*	C7
PKW 4M-P7X2-*/S90/S618	C13	PSG 3M-3/S90-SP	C15	PSW 3M-*/S1587	C7
PKW 4Z-*	C5	PSG 4-*	C5	PSW 3M-*/S760	C7
PKW 4Z-*/S760	C5	PSG 4-*/S760	C5	PSW 3M-*/S90	C7
PKW 4Z-*/S90	C5	PSG 4-*/S90	C5	PSW 3M-*/S90/S101	C7
PKW 4Z-*/S90/S101	C5	PSG 4-*/S90/S101	C5	PSW 3M-*/S90/S1084	C7
PKW 4Z-*/S90/S618	C5	PSG 4-*/S90/S618	C5	PSW 3M-*/S90/S618	C7
PKW 4Z-*/S90/S653	C5	PSG 4-*/S90/S653	C5	PSW 3M-*/XOR	C7
PKW 4Z-3/S90-SP	C14	PSG 4-3/S90-SP	C14	PSW 3M-*/S1587	C7
PKW 4Z-N7X2-*	C11	PSG 4M-*	C8	PSW 3M-*/S90/S618	C7
PKW 4Z-N7X2-*/S90	C11	PSG 4M-*/S760	C8	PSW 3M-3/S90-SP	C15
PKW 4Z-N7X2-*/S90/S101	C11	PSG 4M-*/S90	C8	PSW 3M-P7X2-*	C12
PKW 4Z-P7X2-*	C11	PSG 4M-*/S90/S101	C8	PSW 3M-P7X2-*/S90	C12
PKW 4Z-P7X2-*/S90	C11	PSG 4M-*/S90/S618	C8	PSW 3M-P7X2-*/S90/S101	C12
PKW 4Z-P7X2-*/S90/S101	C11	PSG 4M-*/S90/S653	C8	PSW 4-*	C5
PKW 5M PKW 5M-57x	M21	PSG 4M-3/S90-SP	C15	PSW 4-*/S760	C5
PKW 5M PSG 5M-57x	M21	PSG 5 57x-*M	M22	PSW 4-*/S90	C5
PKW 5M PSW 5M-57x	M21	PSG 5 PSG 5 57x-*M	M22	PSW 4-*/S90/S101	C5
PKW 5M RKT 57x*M	M21	PSG 5 RKT 57x-*M	M22	PSW 4-*/S90/S618	C5
PKW 5M RST 57x*M	M21	PSG 5 RST 57x-*M	M22	PSW 4-*/S90/S653	C5
PKW 5M WKT 57x*M	M21	PSG 5 WKT 57x-*M	M22	PSW 4-3/S90-SP	C14
PKW 5M WST 57x*M	M21	PSG 5 WST 57x-*M	M22	PSW 4M-*	C8
PKW 5M-57x	M21	PSG 5M PSG 5M-57x	M21	PSW 4M-*/S760	C8
PKW 6M-*	C9	PSG 5M PSW 5M-57x	M21	PSW 4M-*/S90	C8
PKW 6M-*/S760	C9	PSG 5M RKT 57x*M	M21	PSW 4M-*/S90/S101	C8
PKW 6M-*/S90	C9	PSG 5M RST 57x*M	M21	PSW 4M-*/S90/S618	C8
PKW 6M-*/S90/S618	C9	PSG 5M WKT 57x*M	M21	PSW 4M-*/S90/S653	C8
PKW 6Z-*	C6	PSG 5M WST 57x*M	M21	PSW 4M-3/S90-SP	C15
PKW 6Z-*/S760	C6	PSG 5M-57x	M21	PSW 5M PSW 5M-57x	M21
PKW 6Z-*/S90	C6	PSG 6-*	C6	PSW 5M RKT 57x*M	M21
PKW 6Z-*/S90/S618	C6	PSG 6-*/S760	C6	PSW 5M RST 57x*M	M21
PKWS 3M-*	C10	PSG 6-*/S90	C6	PSW 5M WKT 57x*M	M21
PKWS 3M-*/S90	C10	PSG 6-*/S90/S618	C6	PSW 5M WST 57x*M	M21
PKWS 4M-*	C10	PSG 6M-*	C9	PSW 5M-57x	M21
PKWS 4M-*/S90	C10	PSG 6M-*/S760	C9	PSW 6-*	C6
PSG 3-*	C4	PSG 6M-*/S90	C9	PSW 6-*/S760	C6
PSG 3-*/S760	C4	PSG 6M-*/S90/S618	C9	PSW 6-*/S90	C6
PSG 3-*/S90	C4	PSG 6M-CC	C32	PSW 6-*/S90/S618	C6
PSG 3-*/S90/S101	C4	PSGK-MC (8/BAG)	C32	PSW 6M-*	C9
PSG 3-*/S90/S618	C4	PSG-MC	C32	PSW 6M-*/S760	C9
PSG 3-*/XOR	C4	PSGM-CC	C32	PSW 6M-*/S90	C9

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PSW 6M-*/S90/S618	C9	RJ45MIP67 RJ45IP67 42x-*M	L5	RK 4.4T-*	D9
PSWS 3M-*	C10	RJ45MIP67 RJ45IP67 84x	K7	RK 4.4T-*/S101	D9
PSWS 3M-*/S90	C10	RJ45MIP67 RJ45MIP67 42x-*M	L5	RK 4.4T-*/S1587	D10
PSWS 4M-*	C10	RJ45MIP67 RJ45MIP67 44x-*M	K17	RK 4.4T-*/S1666	D10
PSWS 4M-*/S90	C10	RJ45MIP67 RJ45MIP67 84x-*M	K7	RK 4.4T-*/S618	D9
RJ11S RJ11S 4412-*M	K25	RJ45MIP67 WRJ45E 42x-*M	L5	RK 4.4T-*/S618/S824	D9
RJ45 42x-*M	L5	RJ45RJ45IP67 42x-*M	L5	RK 4.4T-*/S653	D10
RJ45 44x-*M	K17	RJ45S 42x-*M	L7	RK 4.4T-*/S760	D10
RJ45 84x-*M	K7	RJ45S 44x-*M	K19	RK 4.4T-*/S824	D9
RJ45 FKFD 84x-*M	K6	RJ45S 84x-*M	K9	RK 4.4T-*/S90	D9
RJ45 FKFD 42x-*M	L4	RJ45S FKSDE 84x-*M	K8	RK 4.4T-*/S90/S670	D10
RJ45 FKFD 44x-*M	K16	RJ45S FKSDED 42x-*M	L6	RK 4.4T-*/XOR	D10
RJ45 FSFD 84x-*M	K6	RJ45S FKSDED 44x-*M	K18	RK 4.4T-3.3/S90-SP	D35
RJ45 FSFD 42x-*M	L4	RJ45S FSSDE 84x-*M	K8	RK 4.4T-3/S90-SP/S669	D35
RJ45 FSFD 44x-*M	K16	RJ45S FSSDED 42x-*M	L6	RK 4.5T-*	D11
RJ45 RJ45 42x-*M	L5	RJ45S FSSDED 44x-*M	K18	RK 4.5T-*/S101	D11
RJ45 RJ45 44x-*M	K17	RJ45S RJ45S 42x-*M	L7	RK 4.5T-*/S1554	D11
RJ45 RJ45 840-3FT/ECON	K12	RJ45S RJ45S 44x-*M	K19	RK 4.5T-*/S618	D11
RJ45 RJ45 840-7FT/ECON	K12	RJ45S RJ45S 84x-*M	K9	RK 4.5T-*/S653	D11
RJ45 RJ45 84x-*M	K7	RJ45S RJ45SMIP67 42x-*M	L7	RK 4.5T-*/S715	D11
RJ45 RJ45IP67 44x-*M	K17	RJ45S RJ45SMIP67 44x-*M	K19	RK 4.5T-*/S90	D11
RJ45 RJ45IP67 84x	K7	RJ45SMIP67 42x-*M	L7	RK 4.5T-3.3/S90-SP	D35
RJ45 RJ45MIP67 42x-*M	L5	RJ45SMIP67 44x-*M	K19	RK 4.6T-*	D12
RJ45 RJ45MIP67 44x-*M	K17	RJ45SMIP67 84x	K9	RK 4.6T-*/S618	D12
RJ45 RJ45MIP67 84x	K7	RJ45SMIP67 FKFD 84x-*M	K18	RK 4.6T-*/S653	D12
RJ45IP67 42x-*M	L5	RJ45SMIP67 FKSDE 84x-*M	K8	RK 4.6T-*/S90	D12
RJ45IP67 44x-*M	K17	RJ45SMIP67 FKSDED 42x-*M	L6	RK 4.6T-*/S90/S760	D12
RJ45IP67 84x	K7	RJ45SMIP67 FSFD 84x-*M	K18	RK 4T-*	D8
RJ45IP67 FKFD 84x-*M	K6	RJ45SMIP67 FSSDE 84x-*M	K8	RK 4T-*/S101	D8
RJ45IP67 FKFD 42x-*M	L4	RJ45SMIP67 FSSDED 42x-*M	L6	RK 4T-*/S529	D8
RJ45IP67 FKFD 44x-*M	K16	RJ45SMIP67 RJ45S 42x-*M	L7	RK 4T-*/S618	D8
RJ45IP67 FSFD 84x-*M	K6	RJ45SMIP67 RJ45SMIP67 42x-*M	L7	RK 4T-*/S715	D8
RJ45IP67 FSFD 42x-*M	L4	RJ45SMIP67 RJ45SMIP67 44x-*M	K19	RK 4T-*/S760	D8
RJ45IP67 FSFD 44x-*M	K16	RJ45SMIP67 RJ45SMIP67 84x	K9	RK 4T-*/S824	D8
RJ45IP67 RJ45 42x-*M	L5	RJ45SMIP67 WRJ45ES 42x-*M	L7	RK 4T-*/S90	D8
RJ45IP67 RJ45IP67 42x-*M	L5	RJ45SS RJ45SMIP67 84x	K9	RK 4T-3.3/S90-SP	D35
RJ45IP67 RJ45IP67 44x-*M	K17	RK 10T-*	D13	RKA 4.4A-*	D25
RJ45IP67 RJ45IP67 84x	K7	RK 10T-*/S90	D13	RKA 4.5A-*	D25
RJ45IP67 RJ45MIP67 42x-*M	L5	RK 12T-*	D13	RKA 4A-*	D25
RJ45IP67 RJ45MIP67 44x-*M	K17	RK 12T-*/S90	D13	RKA RKA 57x-*M	M12
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RJ45IP67 WRJ45E 42x-*M	L5	RK 4.21T-*/S1511	D7	RKC 10T-*/S101	D19
RJ45MIP67 42x-*M	L5	RK 4.21T-*/S90	D7	RKC 10T-*/S618	D19
RJ45MIP67 44x-*M	K17	RK 4.22T-*	D7	RKC 10T-*/S90	D19
RJ45MIP67 84x	K7	RK 4.23T-*	D7	RKC 12T-*	D20
RJ45MIP67 FKFD 84x-*M	K6	RK 4.2T-*	D7	RKC 12T-*/S101	D20
RJ45MIP67 FKFD 42x-*M	L4	RK 4.2T-*/S748	D7	RKC 12T-*/S618	D20
RJ45MIP67 FKFD 44x-*M	K16	RK 4.2T-*/S90	D7	RKC 12T-*/S90	D20
RJ45MIP67 FSFD 84x-*M	K6	RK 4.41T-*	D9	RKC 25x-*M	R9
RJ45MIP67 FSFD 42x-*M	L4	RK 4.41T-*/S529	D9	RKC 2RSC 25	R12
RJ45MIP67 FSFD 44x-*M	K16	RK 4.43T-*	D9	RKC 4.2T-*	D14
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RKC 4.4T-*S101	D15	RKC RKFP 57x-*M	M13	RKE 57-TR2	M25
RKC 4.4T-*S101/S849	D15	RKC RSFP 25x-*M	R9	RKF 106-*M/14.5/NPT	F38
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RKC 4.50-*/S849	D44	RKCD RJ45MIP67 44x-*M	K17	RKF 190-*M/14.5/NPT	F40
RKC 4.5T-*CS10288	D16	RKCD 42x-*M	L4	RKF 190-*M/14.75/NPT	F40
RKC 4.5T-*S1062	D16	RKCD 44x-*M	K16	RKF 190-*M/M20	F41
RKC 4.5T-*S1538	D16	RKCD FKFD 42x-*M	L4	RKF 190-*M/PG 16	F41
RKC 4.5T-*S1587	D16	RKCD FKFD 44x-*M	K16	RKF 20-*M	F25
RKC 4.5T-*S653	D16	RKCD FSFDD 42x-*M	L4	RKF 20-*M/M20	F32
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RKC 4T-*	D14	RKCD RJ45 42x-*M	L5	RKF 25-*M	R16
RKC 4T-*S1062	D14	RKCD RJ45 44x-*M	K17	RKF 25-*M/14.5	R15
RKC 57x-*M	M11	RKCD RJ45IP67 42x-*M	L5	RKF 25-*M/14.75	R15
RKC 6T-*	D17	RKCD RJ45IP67 44x-*M	K17	RKF 25-*M/M20	R15
RKC 6T-*S101	D17	RKCD RJ45MIP67 42x-*M	L5	RKF 25-*M/NPT	R16
RKC 6T-*S529	D17	RKCD RKCD 42x-*M	L4	RKF 26-*M	F25
RKC 6T-*S618	D17	RKCD RKCD 44x-*M	K16	RKF 26-*M/M20	F32
RKC 6T-*S653	D17	RKCD WRJ45E 42x-*M	L5	RKF 26-*M/NPT	F29
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RKC 6T-*S90/S760	D17	RKCV 48x-*M	P25	RKF 30-*M	F25
RKC 6T-*S90/CS10476	D17	RKCV 49x-*M	N9	RKF 30-*M/M20	F32
RKC 6T-3.3/S90-SP	D37	RKCV FKFDV 48x-*M	P25	RKF 30-*M/NPT	F29
RKC 8.6T-*	D18	RKCV FKFDV 49x-*M	N9	RKF 31-*M	F25
RKC 8.6T-3.3/S90-SP/CS10451	D37	RKCV FSDV 48x-*M	P25	RKF 31-*M/M20	F32
RKC 8.8T-*	D18	RKCV FSDV 49x-*M	N9	RKF 31-*M/NPT	F29
RKC 84x-*M	K6	RKCV RKC 48x-*M	P25	RKF 311-*M	F25
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RKC 8T-*S618	D18	RKCV RSFPV 48x-*M	P25	RKF 35-*M	F25
RKC 8T-*S715	D18	RKCV RSFPV 49x-*M	N9	RKF 35-*M/M20	F32
RKC 8T-*S90	D18	RKCV WKC 48x-*M	P25	RKF 35-*M/NPT	F29
RKC BK52C 57x-*M	M15	RKCV WKC 49x-*M	N9	RKF 36-*M	F25
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RKC FKFD 25x-*M	R9	RKE 4.4T-*P7X2	D29	RKF 36-*M/NPT	F29
RKC FKFD 57x-*M	M13	RKE 4.4T-*P7X2/S101	D29	RKF 38-*M	F25
RKC FKFD 84x-*M	K6	RKE 4.4T-*P7X2/S90	D29	RKF 38-*M/NPT	F29
RKC FSD 25x-*M	R9	RKE 4.4T-*P7X2/XOR	D29	RKF 40-*M	F26
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RKC FSD 84x-*M	K6	RKE 4T-*N7X2	D28	RKF 40-*M/NPT	F30
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RKC RKC 25x-*M	R9	RKE 4T-*P7X2	D28	RKF 40-PCB	F45
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RKF 48-*M	F26	RKFBV-CC	F61	RKFEV-MC	S84
RKF 48-*M/NPT	F30	RKFBV-MC	F61	RKG 10T-*	D24
RKF 50-*M	F27	RKF-CC	F60	RKG 10T-*/S618	D24
RKF 50-*M/M20	F33	RKF-CC	J5	RKG 12T-*	D24
RKF 50-*M/NPT	F31	RKFC-CC	F62	RKG 12T-*/S618	D24
RKF 50-*M/S849	F27	RKFC-MC	F62	RKG 4.4T-*	D22
RKF 50-PCB	F45	RKFCV-CC	F62	RKG 4.4T-*/S101	D22
RKF 511-*M	F27	RKFCV-MC	F62	RKG 4.4T-*/S101/S849	D22
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RKF 57-*M	M40	RKFP 26-*M	F42	RKG 6T-*/S90	D23
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RKF 61-*M/S849	F28	RKFP 61-*M	F44	RKM 106-*M/S90	F16
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RKF 66-*M/M20	F33	RKFP 68-*M	F44	RKM 126-*M/S101	F17
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RKF 86-*M/14.5/NPT	F36	RKFEV 49-*M/14.5	N18	RKM 26D-*M	F20
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RKM 40-*M/S529	F8	RKM 96-*M/S101	F16	RKSD 44x-*M	K18
RKM 40-*M/S600	F8	RKM 96-*M/S1587	F16	RKSD FKSD 42x-*M	L6
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RKM 56-*M	F13	RKM WKC 57x-*M	M11	RKSW SD9S/T 45x-*M	P9
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RKV 49x-*M	N8	RS 4.4T-*/XOR	D10	RSC 4.5T-*/CS10288	D16
RKV FKFDV 48x-*M	P25	RS 4.4T-3.3/S90-SP	D36	RSC 4.5T-*/S1062	D16
RKV FKFDV 49x-*M	N9	RS 4.4T-3/S90-SP/S669	D36	RSC 4.5T-*/S1538	D16
RKV FSFDV 48x-*M	P25	RS 4.5T-*	D11	RSC 4.5T-*/S1587	D16
RKV FSFDV 49x-*M	N9	RS 4.5T-*/S101	D11	RSC 4.5T-*/S653	D16
RKV RKCX 48x-*M	P25	RS 4.5T-*/S1554	D11	RSC 4.5T-*/S715/S849	D16
RKV RKCX 49x-*M	N9	RS 4.5T-*/S618	D11	RSC 4T-*	D14
RKV RKFPV 48x-*M	P25	RS 4.5T-*/S653	D11	RSC 4T-*/S1062	D14
RKV RKFPV 49x-*M	N9	RS 4.5T-*/S715	D11	RSC 57x-*M	M10
RKV RKV 48	P35	RS 4.5T-*/S90	D11	RSC 6T-*	D17
RKV RKV 48x-*M	P24	RS 4.5T-3.3/S90-SP	D36	RSC 6T-*/S101	D17
RKV RKV 49	N16	RS 4.6T-*	D12	RSC 6T-*/S529	D17
RKV RKV 49x-*M	N8	RS 4.6T-*/S618	D12	RSC 6T-*/S618	D17
RKV RSCV 48x-*M	P24	RS 4.6T-*/S653	D12	RSC 6T-*/S653	D17
RKV RSCV 49x-*M	N8	RS 4.6T-*/S90	D12	RSC 6T-*/S849/S1052	D17
RKV RSFPV 48x-*M	P25	RS 4.6T-*/S90/S760	D12	RSC 6T-*/S90	D17
RKV RSFPV 49x-*M	N9	RS 4T-*	D8	RSC 6T-*/S90/CS10476	D17
RKV WKCV 48x-*M	P25	RS 4T-*/S101	D8	RSC 6T-*/S90/S760	D17
RKV WKCV 49x-*M	N9	RS 4T-*/S529	D8	RSC 6T-3.3/S90-SP	D38
RKV WKV 48x-*M	P24	RS 4T-*/S618	D8	RSC 8.6T-*	D18
RKV WKV 49x-*M	N8	RS 4T-*/S715	D8	RSC 8.6T-3.3/S90-SP/CS10451	D38
RKV WSCV 48x-*M	P25	RS 4T-*/S760	D8	RSC 8.8T-*	D18
RKV WSCV 49x-*M	N9	RS 4T-*/S824	D8	RSC 84x-*M	K6
RKV-CC	D96	RS 4T-*/S90	D8	RSC 8T-*	D18
RKV-MC	D97	RS 4T-3.3/S90-SP	D36	RSC 8T-*/S101	D18
RS 10T-*	D13	RSA 4.4A-*	D25	RSC 8T-*/S1555	D18
RS 10T-*/S90	D13	RSA 4.5A-*	D25	RSC 8T-*/S618	D18
RS 12T-*	D13	RSA 4A-*	D25	RSC 8T-*/S715	D18
RS 12T-*/S90	D13	RSA RSA 57x-*M	M12	RSC 8T-*/S90	D18
RS 4.21T-*	D7	RSC 10T-*	D19	RSC 8VBRK RKC 5724-DCL	M49
RS 4.21T-*/S1511	D7	RSC 10T-*/S101	D19	RSC BK52C 57x-*M	M14
RS 4.21T-*/S90	D7	RSC 10T-*/S618	D19	RSC CBC5 57x-*M	M14
RS 4.22T-*	D7	RSC 10T-*/S90	D19	RSC FKFD 25x-*M	R9
RS 4.23T-*	D7	RSC 12T-*	D20	RSC FKFD 57x-*M	M13
RS 4.2T-*	D7	RSC 12T-*/S101	D20	RSC FKFD 84x-*M	K6
RS 4.2T-*/S748	D7	RSC 12T-*/S618	D20	RSC FSFD 25x-*M	R9
RS 4.2T-*/S90	D7	RSC 12T-*/S90	D20	RSC FSFD 57x-*M	M13
RS 4.41T-*	D9	RSC 25x-*M	R8	RSC FSFD 84x-*M	K6
RS 4.41T-*/S529	D9	RSC 2RKC 57	M36	RSC RJ45 84x-*M	K7
RS 4.43T-*	D9	RSC 2RKC 57/KS	M36	RSC RJ45IP67 84x	K7
RS 4.43T-*/S90	D9	RSC 4.2T-*	D14	RSC RJ45MIP67 84x	K7
RS 4.4T-*	D9	RSC 4.2T-*/CS10191	D14	RSC RKC 25	R12
RS 4.4T-*/S101	D9	RSC 4.40-*/S849	D44	RSC RKC 25x-*M	R9
RS 4.4T-*/S1587	D10	RSC 4.4T-*	D15	RSC RKC 57	M38
RS 4.4T-*/S1666	D10	RSC 4.4T-*/S101	D15	RSC RKC 572-*M/RKC 57	M36
RS 4.4T-*/S618	D9	RSC 4.4T-*/S101/S849	D15	RSC RKC 57x-*M	M12
RS 4.4T-*/S618/S824	D9	RSC 4.4T-*/S1062	D15	RSC RKC 84x-*M	K6
RS 4.4T-*/S653	D10	RSC 4.4T-*/S1587	D15	RSC RKFP 25x-*M	R9
RS 4.4T-*/S760	D10	RSC 4.4T-*/S622	D15	RSC RKFP 57x-*M	M13
RS 4.4T-*/S824	D9	RSC 4.4T-*/S824	D15	RSC RSC 25x-*M	R8

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RSC RSC 57x-*M	M12	RSCV WSCV 48x-*M	P25	RSF 36-*M	F25
RSC RSC 84x-*M	K6	RSCV WSCV 49x-*M	N9	RSF 36-*M/M20	F32
RSC RSEF 25x-*M	R9	RSE 4.4T-*N7X2	D29	RSF 36-*M/NPT	F29
RSC RSEF 57x-*M	M13	RSE 4.4T-*P7X2	D29	RSF 38-*M	F25
RSC WKC 25x-*M	R9	RSE 4.4T-*P7X2/S101	D29	RSF 38-*M/NPT	F29
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RSC WKC 57x-*M	M12	RSE 4.4T-*P7X2/XOR	D29	RSF 40-*M/M20	F32
RSC WRJ45E 84x-*M	K7	RSE 4T-*P7X2	D28	RSF 40-*M/NPT	F30
RSC WSC 25x-*M	R9	RSE 4T-*P7X2/S715	D28	RSF 40-*M/S658	F26
RSC WSC 57x-*M	M12	RSE 4T-*P7X2/S824	D28	RSF 40-*M/S849	F26
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RSCD 44x-*M	K16	RSEV 48-TR	P32	RSF 46-*M	F26
RSCD FKFD 42x-*M	L4	RSEV 49-TR	N13	RSF 46-*M/M20	F32
RSCD FKFD 44x-*M	K16	RSF 106-*M/14.5/NPT	F38	RSF 46-*M/NPT	F30
RSCD FSD 42x-*M	L4	RSF 106-*M/14.75/NPT	F39	RSF 48-*M	F26
RSCD FSD 44x-*M	K16	RSF 106-*M/M20	F35	RSF 48-*M/NPT	F30
RSCD RJ45 42x-*M	L5	RSF 126-*M/14.5/NPT	F38	RSF 50-*M	F27
RSCD RJ45 44x-*M	K17	RSF 126-*M/14.75/NPT	F39	RSF 50-*M/M20	F33
RSCD RJ45IP67 42x-*M	L5	RSF 126-*M/M20	F35	RSF 50-*M/NPT	F31
RSCD RJ45IP67 44x-*M	K17	RSF 190-*M/14.5/NPT	F40	RSF 50-*M/S849	F27
RSCD RJ45MIP67 42x-*M	L5	RSF 190-*M/14.75/NPT	F40	RSF 50-PCB	F45
RSCD RJ45MIP67 44x-*M	K17	RSF 190-*M/M20	F41	RSF 511-*M	F27
RSCD RKCD 42x-*M	L4	RSF 190-*M/PG 16	F41	RSF 511-*M/M20	F33
RSCD RKCD 44x-*M	K16	RSF 20-*M	F25	RSF 511-*M/NPT	F31
RSCD RSCD 42x-*M	L4	RSF 20-*M/M20	F32	RSF 511-*M/S849	F27
RSCD RSCD 44x-*M	K16	RSF 20-*M/NPT	F29	RSF 55-*M	F27
RSCD WRJ45E 42x-*M	L5	RSF 25-*M	R16	RSF 55-*M/M20	F33
RSCD WRJ45E 44x-*M	K17	RSF 25-*M/14.5	R15	RSF 55-*M/NPT	F31
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RSCV 2RKCV 49	N15	RSF 26-*M	F25	RSF 56-*M/S849	F27
RSCV 48x-*M	P24	RSF 26-*M/M20	F32	RSF 57	M43
RSCV 49x-*M	N8	RSF 26-*M/NPT	F29	RSF 57-*M	M40
RSCV FKFDV 48x-*M	P25	RSF 28-*M	F25	RSF 57-*M/14.5	M39
RSCV FKFDV 49x-*M	N9	RSF 28-*M/NPT	F29	RSF 57-*M/14.75	M39
RSCV FSDV 48x-*M	P25	RSF 30-*M	F25	RSF 57-*M/M20	M39
RSCV FSDV 49x-*M	N9	RSF 30-*M/M20	F32	RSF 57-*M/NPT	M40
RSCV RKC 48x-*M	P25	RSF 30-*M/NPT	F29	RSF 57-PCB	M43
RSCV RKC 49	N15	RSF 31-*M	F25	RSF 58-*M	F27
RSCV RKC 49x-*M	N9	RSF 31-*M/M20	F32	RSF 58-*M/NPT	F31
RSCV RKFPV 48x-*M	P25	RSF 31-*M/NPT	F29	RSF 61-*M	F28
RSCV RKFPV 49x-*M	N9	RSF 31-*M/S849	F25	RSF 61-*M/M20	F33
RSCV RSCV 48x-*M	P24	RSF 311-*M	F25	RSF 61-*M/NPT	F31
RSCV RSCV 49x-*M	N8	RSF 311-*M/M20	F32	RSF 61-*M/S849	F28
RSCV RSEFPV 48x-*M	P25	RSF 311-*M/NPT	F29	RSF 66-*M	F28
RSCV RSEFPV 49x-*M	N9	RSF 311-*M/S849	F25	RSF 66-*M/M20	F33
RSCV WKC 25	R12	RSF 34-*M/NPT	J3	RSF 66-*M/NPT	F31
RSCV WKC 48x-*M	P25	RSF 35-*M	F25	RSF 68-*M	F28
RSCV WKC 49	N15	RSF 35-*M/M20	F32	RSF 68-*M/NPT	F31
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RSF 76-*M/14.75/NPT	F37	RSFV 49-*M/14.5	N18	RSM 190-*M/S101	F18
RSF 76-*M/M20	F34	RSEFV 49-*M/14.75	N18	RSM 190-*M/S760	F18
RSF 86-*M/14.5/NPT	F36	RSEFV 49-*M/M20	N18	RSM 190-*M/S90	F18
RSF 86-*M/14.75/NPT	F37	RSFV 49-*M/NPT	N19	RSM 20-*M	F6
RSF 86-*M/M20	F34	RSEFV RKFV 48/22	P33	RSM 25-FK 4.5	R21
RSF 96-*M/14.5/NPT	F38	RSEFV RKFV 49/22	N14	RSM 25x-*M	R8
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RSF 96-*M/M20	F35	RSEFV-CC	J5	RSM 26D-*M	F20
RSF RKF 20/22	F47	RSEFV-MC	F60	RSM 28A-*M	F19
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RSF RKF 50/22	F47	RSG 10T-*	D24	RSM 2RKM 57-KM	M30
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RSF RKF 60/22	F47	RSG 12T-*	D24	RSM 30-*M/S101	F6
RSFB-CC	F61	RSG 12T-*/S618	D24	RSM 30-*M/S90	F6
RSFB-MC	F61	RSG 4.4T-*	D22	RSM 30-2M/S90-SP	F21
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RSFBV-MC	F61	RSG 4.4T-*/S101/S849	D22	RSM 31-*M	F7
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RSF-CC	J5	RSG 4.4T-*/S529	D22	RSM 31-*M/S759	F7
RSFC-CC	F62	RSG 4.4T-*/S600	D23	RSM 31-*M/S816	F7
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RSFCV-CC	F62	RSG 4.5T-*	D23	RSM 311-*M/S600	F6
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RSFL 26	F46	RSG 4T-*	D22	RSM 34-*M/S4000	J3
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RSF-MC	F60	RSG 8T-*/S90	D24	RSM 36-*M/1587	F11
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RSFP 26-*M	F42	RSL 4.4-*	D21	RSM 40-*M/S101	F8
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RSEFV 35-*M	F42	RSM 106-*M/S1587	F16	RSM 40-*M/S90	F8
RSEFV 36-*M	F42	RSM 106-*M/S90	F16	RSM 40-FK 4.4	D94
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RSEFV 46-*M	F43	RSM 126-*M/S101	F17	RSM 44-*M	J3
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RSEFV 511-*M	F44			RSM 46-*M	F12
RSEFV 55-*M	F44			RSM 46-*M/S600	F12
RSEFV 56-*M	F44			RSM 46-*M/S824	F12
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RSM 49-FK 4.4	N22	RSM FSFD 57x-*M	M11	RSS 6T-*	D26
RSM 50-*M	F9	RSM RKC 25x-*M	R9	RSS 84x-*M	K8
RSM 50-*M/S101	F9	RSM RKC 57x-*M	M11	RSS 8T-*	D27
RSM 50-*M/S1551	F9	RSM RKC 57x-*M RKM 57	M35	RSS FKSDE 84x-*M	K8
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RSM 55-*M	F13	RSM RSC 57x-*M	M10	RSSD FKSDDE 42x-*M	L6
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RSM 56-*M	F13	RSM RSEF 57x-*M	M11	RSSD FSSDEDE 42x-*M	L6
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RSM 57-TR2/VM	M25	RSM RSM 57x-*M	M10	RSSD RKSD 42x-*M	L6
RSM 57x-*M	M10	RSM WKC 25x-*M	R9	RSSD RKSD 44x-*M	K18
RSM 58A-*M	F19	RSM WKC 57x-*M	M11	RSSD RSSD 42x-*M	L6
RSM 60-*M/S90/S853	F10	RSM WKM 25x-*M	R8	RSSD RSSD 44x-*M	K18
RSM 61-*M	F10	RSM WKM 57x-*M	M10	RSSD RSW 45x-*M	P7
RSM 61-*M/S1052/S1587	F10	RSM WSC 25x-*M	R9	RSSD RSW 45x-*M-*M	P10
RSM 61-*M/S739	F10	RSM WSC 57x-*M	M11	RSSW 456SP-1M	P13
RSM 61-*M/S763	F10	RSM WSM 25x-*M	R8	RSSW 45-TR	P14
RSM 66-*M	F13	RSM WSM 57x-*M	M10	RSSW 45x-*M	P7
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RSM 68A-*M	F19	RSM-2RKM 30	F53	RSSW D9S RSSW 45x-*M-*M	P10
RSM 6B6-*M	F14	RSM-2RKM 30-KF	F54	RSSW D9S/T 45x-*M	P9
RSM 6B6-*M/S101	F14	RSM-2RKM 30-KM	F54	RSSW D9SM RKSX 45x-*M-*M	P10
RSM 6B6-*M/S1587	F14	RSM-2RKM 40	F53	RSSW D9SM RSSW 45x-*M	P10
RSM 6B6-*M/S90	F14	RSM-2RKM 40 KM	F54	RSSW D9SM/T 45x-*M	P9
RSM 76-*M	F14	RSM-2RKM 40-KF	F54	RSSW RKSX 45x-*M	P7
RSM 76-*M/S101	F14	RSM-2RKM 50	F53	RSSW RSSW 45x-*M	P7
RSM 76-*M/S1587	F14	RSM-2RKM 57	M30	RSSW SD9S RKSX 45x-*M-*M	P10
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RSV FKV RKV 49	N15	SBE 5T-*/S600	E6	SH-GSDM/2GKDM 34-*/S4000	J16
RSV FSFDV 48x-*M	P25	SCREWTY M8/M12 TORQUE WRENCH	U7	SH-GSDM/2GKDM 40	J16
RSV FSFDV 49x-*M	N9	SD9S 45x-*M	P10	SH-GSDM/2GKDM 40-*	J16
RSV RKCVC 48x-*M	P25	SD9S/T 45x-*M	P9	SH-GSDM/2GKDM 40-*/S4000	J16
RSV RKCVC 49x-*M	N9	SESM 3S	C30	SH-GSDM/2GKDM 42-*	J16
RSV RKFPV 48x-*M	P25	SESM 4S	C30	SH-GSDM/2GKDM 42-*/S4000	J16
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RSV RKV 48x-*M	P24	SH-BKM/BSM/BKM 22-380-*/*/*	J32	SH-GSDM/GKDM/BKM 34	J16
RSV RKV 49 SS	N17	SH-BKM/BSM/BKM 34	J32	SH-GSDM/GKDM/BKM 34-*/S4000	J16
RSV RKV 49x-*M	N8	SH-BKM/BSM/BKM 34-198-*	J32	SH-GSDM/GKDM/BKM 44	J16
RSV RSCV 48x-*M	P24	SH-BKM/BSM/BKM 34-198-*/*/*	J32	SH-GSDM/GKDM/BKM 44-*/S4000	J16
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RSV RSEFPV 48x-*M	P25	SH-BKM/BSM/BKM 44-193-*	J32	SH-GSDM/GKDM/RKM 34-*/S4000	J16
RSV RSEFPV 49x-*M	N9	SH-BKM/BSM/BKM 44-193-*/*/*	J32	SH-GSDM/GKDM/RKM 44-*	J16
RSV RSV 48	P35	SH-BKM/BSM/BKM 5	G32	SH-GSDM/GKDM/RKM 44-*/S4000	J16
RSV RSV 48x-*M	P24	SH-BKM/BSM/BKM 5-084-*	G32	SH-GSDM/GKDM/T30-*	J16
RSV RSV 49	N16	SH-BKM/BSM/BKM 6	G32	SH-GSDM/GKDM/T30-*/S4000	J16
RSV RSV 49x-*M	N8	SH-BKM/BSM/BKM 6-085-*	G32	SH-GSDM/GKDM/T32-*	J16
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RSV WKCV 49x-*M	N9	SH-BKM/BSM/BKM 7-086-*	G32	SH-GSDM/GKDM/T34-*	J16
RSV WKV 48x-*M	P24	SH-BKM/BSM/BKM 8	G32	SH-GSDM/GKDM/T34-*/S4000	J16
RSV WKV 49x-*M	N8	SH-BKM/BSM/BKM 8-087-*	G32	SH-GSDM/GKDM/T40-*	J16
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RSV WSCV 49x-*M	N9	SH-BKM/BSM/T34-198-*	J32	SH-GSDM/GKDM/T42-*	J16
RSV WSV 48x-*M	P24	SH-BKM/BSM/T44-193-*	J32	SH-GSDM/GKDM/T42-*/S4000	J16
RSV WSV 49x-*M	N8	SH-BSM/2BKM 22	J32	SH-GSDM/GKDM/T44-*	J16
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SB 3T-*/S1507	E4	SH-BSM/2BKM 44-193-*	J32	SH-RSM/2RKM 50	F57
SB 3T-*/S749	E4	SH-BSM/2BKM 44-193-*/*/*	J32	SH-RSM/2RKM 60	F57
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SB 3T-3.3/S90-SP	E7	SH-BSM/2BKM 6	G31	SRF-PG13.5	U5
SB 4T-*	E5	SH-BSM/2BKM 6-085-*	G31	ST ID 1/2-INCH (10/BAG-6IN)	U9
SB 4T-*/S105	E5	SH-BSM/2BKM 7	G31	ST ID 1/2-INCH-30M	U9
SB 4T-*/S727	E5	SH-BSM/2BKM 7-086-*	G31	ST ID 1/4-INCH (10/BAG-6IN)	U9
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VB 60-P7X7-*	S34	VB2-PX3-FSM 4.4/2FKM 4	V10	VBR 4.4-2PKG 3Z-*/S651	V20
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VIY 2-C658-*M-RSM 30	T24	WD-BSMV 6-1575-*	G11	WD-WKV 30-*M	F22
VIY 2-C658-*M-SBE 3T	T24	WD-BSMV 8-1574-*	G11	WD-WKV 36-*M	F22
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WD-WSCV 8T-*	D42	WK 4.4T-*/S824	D9	WK 4T-*P7X2/S618	D28
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WD-WSV 60-*M	F23	WK 4.4T-*N7X2/XOR	D30	WKB 3T-*/S90	E4
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WFS 8-PCB	D72	WK 4.5T-*/S101	D11	WKB 5T-*	E6
WFS 10-PCBH	D74	WK 4.5T-*/S1554	D11	WKB 5T-*/S1587	E6
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WFS 6-PCBH	D73	WK 4.5T-*/S715	D11	WKC 10T-*/S101	D19
WFS 8-PCBH	D73	WK 4.5T-*/S90	D11	WKC 10T-*/S618	D19
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WK 4.2T-*	D7	WK 4T-*/S101	D8	WKC 4.40-*/S849	D44
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WKM WSC 57x-*M	M11	WRJ45E 42x-*M	L5	WS 4.4T-*/S618	D9
WKS 10T-*	D27	WRJ45E 44x-*M	K17	WS 4.4T-*/S618/S824	D9
WKS 12T-*	D27	WRJ45E 84x-*M	K7	WS 4.4T-*/S653	D10
WKS 4.4T-*	D26	WRJ45E FKFD 84x-*M	K6	WS 4.4T-*/S760	D10
WKS 4.4T-*/S824	D26	WRJ45E FKFDD 42x-*M	L4	WS 4.4T-*/S824	D9
WKS 4.4T-*/S90	D26	WRJ45E FKFDD 44x-*M	K16	WS 4.4T-*/S90	D9
WKS 4.5T-*	D26	WRJ45E FSFD 84x-*M	K6	WS 4.4T-*/S90/S670	D10
WKS 6T-*	D26	WRJ45E FSFDD 42x-*M	L4	WS 4.4T-*/XOR	D10
WKS 8T-*	D27	WRJ45E FSFDD 44x-*M	K16	WS 4.4T-3.3/S90-SP	D36
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WKS 45x-*M	P10	WRJ45E RJ45 84x-*M	K7	WS 4.5T-*/S101	D11
WKS 45x-*M	P10	WRJ45E RJ45IP67 42x-*M	L5	WS 4.5T-*/S1554	D11
WKS 45x-*M	P10	WRJ45E RJ45IP67 44x-*M	K17	WS 4.5T-*/S618	D11
WKS 45x-*M	P10	WRJ45E RJ45IP67 84x	K7	WS 4.5T-*/S653	D11
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WKS 45x-*M	P7	WRJ45E RJ45MIP67 44x-*M	K17	WS 4.5T-*/S90	D11
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WKS 45x-*M	P21	WRJ45E WRJ45E 44x-*M	K17	WS 4.6T-*	D12
WKS 45x-*M	P24	WRJ45E WRJ45E 84x-*M	K7	WS 4.6T-*/S618	D12
WKS 45x-*M	P25	WRJ45E 42x-*M	L7	WS 4.6T-*/S653	D12
WKS 45x-*M	P25	WRJ45E 44x-*M	K19	WS 4.6T-*/S90	D12
WKS 45x-*M	P25	WRJ45E 84x-*M	K9	WS 4.6T-*/S90/S760	D12
WKS 45x-*M	P25	WRJ45E FKSD 42x-*M	L6	WS 4T-*	D8
WKS 45x-*M	P25	WRJ45E FKSD 44x-*M	K18	WS 4T-*/S101	D8
WKS 45x-*M	P25	WRJ45E FSSD 42x-*M	L6	WS 4T-*/S529	D8
WKS 45x-*M	P25	WRJ45E FSSD 44x-*M	K18	WS 4T-*/S618	D8
WKS 45x-*M	P25	WRJ45E RJ45S 42x-*M	L7	WS 4T-*/S715	D8
WKS 45x-*M	P24	WRJ45E RJ45S 44x-*M	K19	WS 4T-*/S760	D8
WKS 45x-*M	P25	WRJ45E RJ45S 84x-*M	K9	WS 4T-*/S824	D8
WKS 45x-*M	P25	WRJ45E RJ45SMIP67 42x-*M	L7	WS 4T-*/S90	D8
WKS 45x-*M	P25	WRJ45E RJ45SMIP67 44x-*M	K19	WS 4T-3.3/S90-SP	D36
WKS 45x-*M	P25	WRJ45E RJ45SMIP67 84x	K9	WSB 3T-*	E4
WKS 45x-*M	P24	WRJ45E WRJ45E 42x-*M	L7	WSB 3T-*/S105	E4
WKS 45x-*M	P24	WRJ45E WRJ45E 44x-*M	K19	WSB 3T-*/S1507	E4
WKS 45x-*M	P25	WRJ45E WRJ45E 84x-*M	K9	WSB 3T-*/S749	E4
WKS 45x-*M	P25	WS 4.21T-*	D7	WSB 3T-*/S90	E4
WKS 45x-*M	P25	WS 4.21T-*/S1511	D7	WSB 3T-*/XOR	E4
WKS 45x-*M	P25	WS 4.21T-*/S90	D7	WSB 3T-3.3/S90-SP	E7
WKS 45x-*M	P25	WS 4.22T-*	D7	WSB 4T-*	E5
WKS 45x-*M	P25	WS 4.23T-*	D7	WSB 4T-*/S105	E5
WKS 45x-*M	P25	WS 4.2T-*	D7	WSB 4T-*/S727	E5
WKS 45x-*M	P25	WS 4.2T-*/S748	D7	WSB 4T-*/S90	E5
WKS 45x-*M	P25	WS 4.2T-*/S90	D7	WSB 4T-3.3/S90-SP/S727	E7
WKS 45x-*M	P25	WS 4.41T-*	D9	WSB 5T-*	E5
WKS 45x-*M	P25	WS 4.41T-*/S529	D9	WSB 6T-*	E5
WKS 45x-*M	P25	WS 4.43T-*	D9	WSBE 2T-*	E6
WKS 45x-*M	P25	WS 4.43T-*/S90	D9	WSBE 3T-*	E6
WKS 45x-*M	P25	WS 4.4T-*	D9	WSBE 3T-*/S1587	E6
WKS 45x-*M	P25	WS 4.4T-*/S101	D9	WSBE 3T-*/S600	E6
WKS 45x-*M	P25	WS 4.4T-*/S1587	D10	WSBE 5T-*	E6

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WSBE 5T-*/S1587	E6	WSC BK52C 57x-*M	M15	WSM 30-2M/S90-SP	F21
WSBE 5T-*/S600	E6	WSC CBC5 57x-*M	M15	WSM 31-*M	F7
WSC 10T-*	D19	WSC FKFD 25x-*M	R9	WSM 31-*M/S600	F7
WSC 10T-*/S101	D19	WSC FKFD 57x-*M	M13	WSM 31-*M/S759	F7
WSC 10T-*/S618	D19	WSC FSFD 25x-*M	R9	WSM 31-*M/S816	F7
WSC 10T-*/S90	D19	WSC FSFD 57x-*M	M13	WSM 311-*M	F6
WSC 12T-*	D20	WSC RKC 25x-*M	R9	WSM 311-*M/S600	F6
WSC 12T-*/S101	D20	WSC RKC 57x-*M	M12	WSM 311-*M/XOR/S620	F7
WSC 12T-*/S618	D20	WSC RKFP 25x-*M	R9	WSM 34-*M/S4000	J3
WSC 12T-*/S90	D20	WSC RKFP 57x-*M	M13	WSM 35-*M	F11
WSC 25x-*M	R9	WSC RSFP 25x-*M	R9	WSM 35-*M/S600	F11
WSC 2VBWK WKC 5724-1.5m-0.2m-0.2m	M48	WSC RSFP 57x-*M	M13	WSM 36-*M	F11
WSC 4.2T-*	D14	WSC WKC 25x-*M	R9	WSM 36-*M/S1587	F11
WSC 4.2T-*/CS10191	D14	WSC WKC 57x-*M	M12	WSM 40-*M	F8
WSC 4.4Q-*/S849	D44	WSC WSC 25x-*M	R9	WSM 40-*M/S101	F8
WSC 4.4T-*	D15	WSC WSC 57x-*M	M12	WSM 40-*M/S529	F8
WSC 4.4T-*/S101	D15	WSCN 5T-*	D16	WSM 40-*M/S600	F8
WSC 4.4T-*/S101/S849	D15	WSCV 48x-*M	P25	WSM 40-*M/S824	F8
WSC 4.4T-*/S1062	D15	WSCV 49x-*M	N9	WSM 40-*M/S90	F8
WSC 4.4T-*/S1587	D15	WSCV FKFDV 48x-*M	P25	WSM 44-*M/S4000	J3
WSC 4.4T-*/S622	D15	WSCV FKFDV 49x-*M	N9	WSM 46-*M	F12
WSC 4.4T-*/S824	D15	WSCV FSFDV 48x-*M	P25	WSM 46-*M/S600	F12
WSC 4.4T-*/S90	D15	WSCV FSFDV 49x-*M	N9	WSM 46-*M/S824	F12
WSC 4.5Q-*/S849	D44	WSCV RKC 48x-*M	P25	WSM 46D-*M/S1062	F20
WSC 4.5T-*/CS10288	D16	WSCV RKC 49x-*M	N9	WSM 47-*M	F12
WSC 4.5T-*/S1062	D16	WSCV RKFPV 48x-*M	P25	WSM 50-*M	F9
WSC 4.5T-*/S1538	D16	WSCV RKFPV 49x-*M	N9	WSM 50-*M/S101	F9
WSC 4.5T-*/S1587	D16	WSCV RSFPV 48x-*M	P25	WSM 50-*M/S1551	F9
WSC 4.5T-*/S653	D16	WSCV RSFPV 49x-*M	N9	WSM 50-*M/S90	F9
WSC 4.5T-*/S715/S849	D16	WSCV WKC 48x-*M	P25	WSM 50-1M/S90-SP	F21
WSC 4T-*	D14	WSCV WKC 49x-*M	N9	WSM 511-*M	F9
WSC 4T-*/S1062	D14	WSCV WSCV 48x-*M	P25	WSM 511-*M/S600	F9
WSC 57x-*M	M11	WSCV WSCV 49x-*M	N9	WSM 55-*M	F13
WSC 6T-*	D17	WSM 106-*M	F16	WSM 55-*M/S600	F13
WSC 6T-*/S101	D17	WSM 106-*M/S101	F16	WSM 56-*M	F13
WSC 6T-*/S529	D17	WSM 106-*M/S1587	F16	WSM 56-*M/S1587	F13
WSC 6T-*/S618	D17	WSM 106-*M/S90	F16	WSM 57x-*M	M10
WSC 6T-*/S653	D17	WSM 126-*M	F17	WSM 60-*M/S90/S853	F10
WSC 6T-*/S849/S1052	D17	WSM 126-*M/S101	F17	WSM 61-*M	F10
WSC 6T-*/S90	D17	WSM 126-*M/S1052/S1587	F17	WSM 61-*M/S1052/S1587	F10
WSC 6T-*/S90/CS10476	D17	WSM 126-*M/S1587	F17	WSM 61-*M/S739	F10
WSC 6T-*/S90/S760	D17	WSM 126-*M/S90	F17	WSM 61-*M/S763	F10
WSC 6T-3.3/S90-SP	D38	WSM 190-*M	F18	WSM 66-*M	F13
WSC 8.6T-*	D18	WSM 190-*M/S101	F18	WSM 66-*M/S1587	F13
WSC 8.6T-3.3/S90-SP/CS10451	D38	WSM 190-*M/S760	F18	WSM 6B6-*M	F14
WSC 8.8T-*	D18	WSM 190-*M/S90	F18	WSM 6B6-*M/S101	F14
WSC 8T-*	D18	WSM 20-*M	F6	WSM 6B6-*M/S1587	F14
WSC 8T-*/S101	D18	WSM 25x-*M	R8	WSM 6B6-*M/S90	F14
WSC 8T-*/S1555	D18	WSM 26-*M	F11	WSM 76-*M	F14
WSC 8T-*/S618	D18	WSM 30-*M	F6	WSM 76-*M/S101	F14
WSC 8T-*/S715	D18	WSM 30-*M/S101	F6	WSM 76-*M/S1587	F14
WSC 8T-*/S90	D18	WSM 30-*M/S90	F6	WSM 76-*M/S90	F14

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WSM 86-*M	F15	WSSW D9S WSSW 45x-*M-*M	P10	WWAKW 4T-2/S821	D34
WSM 86-*M/S101	F15	WSSW D9S/T 45x-*M	P9	WWASW 4.5T-*	D34
WSM 86-*M/S1587	F15	WSSW D9SM WKS45x-*M-*M	P10	WWASW 4.5T-*/S101	D34
WSM 86-*M/S90	F15	WSSW D9SM WSSW45x-*M-*M	P10	WWASW 4.5T-*/S618	D34
WSM 96-*M	F16	WSSW D9SM/T 45x-*M	P9	WWASW 4.5T-*/S653	D34
WSM 96-*M/S101	F16	WSSW RKSX 45x-*M	P7	WWASW 4T-*/S626	D34
WSM 96-*M/S1587	F16	WSSW SD9S WKSX 45x-*M-*M	P10	WWASW 4T-2/S821	D34
WSM 96-*M/S90	F16	WSSW SD9S WSSW 45x-*M-*M	P10	YB2-FSM 4.4/2PKG 3M	V50
WSM BK52C 57x-*M	M14	WSSW SD9S/T 45x-*M	P9	YB2-FSM 4.5-2FKM 4.5	V50
WSM CBC5 57x-*M	M14	WSSW WKSX 45x-*M	P7	YB2-FSM 4.5-2FKM 4.5/S1063	V50
WSM FKFD 25x-*M	R9	WSSW WSSW 45x-*M	P7	YBZ2-FKM/FKW/FSW 45	P18
WSM FKFD 57x-*M	M11	WST 57x	M21	YBZ2-FSM	V6
WSM F5FD 25x-*M	R9	WST 57x-*	M22	YBZ2-FSM 4.5/2FKM 4.5/S771	V50
WSM F5FD 57x-*M	M11	WSV 48x-*M	P24	YBZ2-FSM4.4	V6
WSM RKC 25x-*M	R9	WSV 49x-*M	N8	YBZ2-FSM4.4/2FK4	V6
WSM RKC 57x-*M	M11	WSV FKFDV 48x-*M	P25	YBZ2-FSM4.5	V6
WSM RKFP 25x-*M	R9	WSV FKFDV 49x-*M	N9	YBZ2-FSW/FKW/FSW 45	P18
WSM RKFP 57x-*M	M11	WSV F5FDV 48x-*M	P25	YBZ2-PSG3M-	V8
WSM RKM 25	R13	WSV F5FDV 49x-*M	N9	YBZ2-PSG4M-	V8
WSM RKM 25x-*M	R8	WSV RKCX 48x-*M	P25	YBZ2-PX3-FSM 4.5/2FKM 4.5	V50
WSM RKM 57	M37	WSV RKCX 49x-*M	N9	YBZ2-PX3-FSM4.4	V6
WSM RKM 57x-*M	M10	WSV RKFPV 48x-*M	P25	YBZ2-RS4.4T-	V8
WSM RSC 25x-*M	R8	WSV RKFPV 49x-*M	N9	YBZ2-RS4.5T-	V8
WSM RSC 57x-*M	M10	WSV RKV 48	P35	YP2-MFS 4/2MFK 3	V36
WSM RSFP 25x-*M	R9	WSV RKV 48x-*M	P24	YP2-MFS3/2PKG3M-*/*/*S651	V38
WSM RSFP 57x-*M	M11	WSV RKV 49	N16	YP2-MFS4/2PKG3M-*/*/*	V38
WSM WKC 25x-*M	R9	WSV RKV 49x-*M	N8	YP2-MFS4/2PKG4M-*/*/*S651	V38
WSM WKC 57x-*M	M11	WSV RSCV 48x-*M	P24	YP2-PSG3M-*/*2PKG3M-*/*/*S651	V40
WSM WKM 25x-*M	R8	WSV RSCV 49x-*M	N8	YP2-PSG4M-*/*2PKG3M-*/*	V40
WSM WKM 57x-*M	M10	WSV RSFPV 48x-*M	P25	YP2-PSG4M-*/*2PKG4M-*/*/*S651	V40
WSM WSC 25x-*M	R9	WSV RSFPV 49x-*M	N9	YP2-PSG4M-*/*2RK4T-*/*	V42
WSM WSC 57x-*M	M11	WSV WKCV 48x-*M	P25	YP2-PSG6M-*/*2PKG6M-*/*/*S651	V40
WSS WSM 25x-*M	R8	WSV WKCV 49x-*M	N9	YP2-PX2-MFS 4/2MFK 3	V36
WSS WSM 57x-*M	M10	WSV WKV 48x-*M	P24		
WSS 10T-*	D27	WSV WKV 49x-*M	N8		
WSS 12T-*	D27	WSV WSCV 48x-*M	P25		
WSS 4.4T-*	D26	WSV WSCV 49x-*M	N9		
WSS 4.4T-*/S824	D26	WSV WSV 48x-*M	P24		
WSS 4.4T-*/S90	D26	WSV WSV 49x-*M	N8		
WSS 4.5T-*	D26	WWAKW 4.5T-*	D34		
WSS 6T-*	D26	WWAKW 4.5T-*/S101	D34		
WSS 8T-*	D27	WWAKW 4.5T-*/S618	D34		
WSSW 45x-*M	P7	WWAKW 4.5T-*/S653	D34		
WSSW D9S WKS45x-*M-*M	P10	WWAKW 4T-*/S626	D34		

Notes:

Warranty Terms and Conditions

RISK OF LOSS

Delivery of the equipment to a common carrier shall constitute delivery to the Purchaser and the risk of loss shall transfer at that time to Purchaser. Should delivery be delayed due to an act or omission on the part of the Purchaser, risk of loss shall transfer to the Purchaser upon notification by **TURCK Inc.** that the order is complete and ready for shipment.

WARRANTIES

TURCK INC. (hereinafter "**TURCK**") offers five (5) **WARRANTIES** to cover all products sold. They are as follows:

- 1) The **12-MONTH WARRANTY** is available for the products listed - generally those not covered by **LIFETIME, 5-YEAR, 24-MONTH** or **18-MONTH** warranty. No registration required.
- 2) The **18-MONTH WARRANTY** is available for the products listed - generally those not covered by **LIFETIME** or **5-YEAR WARRANTY**. No registration is required.
- 3) The **24-MONTH WARRANTY** is available for the products listed - generally those not covered by **LIFETIME, 5-YEAR** or **18-MONTH**. No registration is required.
- 4) The **5-YEAR WARRANTY** is available generally for the products listed. No registration is required.
- 5) A **LIFETIME WARRANTY** is available for the products listed. It becomes effective when the accompanying **TURCK LIFETIME WARRANTY REGISTRATION** is completed and returned to **TURCK**.

GENERAL TERMS AND CONDITIONS FOR ALL WARRANTIES

- **12-MONTH STANDARD WARRANTY**
- **18-MONTH STANDARD WARRANTY**
- **24-MONTH STANDARD WARRANTY**
- **5-YEAR WARRANTY**
- **LIFETIME WARRANTY**

TURCK warrants the Products covered by the respective **WARRANTY AGREEMENTS** to be free from defects in material and workmanship under normal and proper usage for the respective time periods listed above from the date of shipment from **TURCK**. In addition, certain specific terms apply to the various **WARRANTIES**.

THESE EXPRESS WARRANTIES ARE IN LIEU OF AND EXCLUDE ALL OTHER REPRESENTATIONS MADE - BOTH EXPRESSED AND IMPLIED. THERE ARE NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE FOR PRODUCTS COVERED BY THESE TERMS AND CONDITIONS.

TURCK warrants that the goods sold are as described, but no promise, description, affirmation of fact, sample model or representation, oral or written shall be part of an order, unless set forth in these terms and conditions, or are in writing and signed by an authorized representative of **TURCK**. These **WARRANTIES** do not apply to any Product which has been subject to misuse, negligence, or accident - or to any Product which has been modified or repaired, improperly installed, altered, or disassembled -except according to **TURCK's** written instructions.

These **WARRANTIES** are subject to the following conditions:

- 1) These **WARRANTIES** are limited to the electronic and mechanical performance only, as expressly detailed in the Product specifications and **NOT** to cosmetic performance.
- 2) These **WARRANTIES** shall not apply to any cables attached to, or integrated with the Product. However, the **18-MONTH WARRANTY** shall apply to cables sold separately by **TURCK**.
- 3) These **WARRANTIES** shall not apply to any Products which are stored, or utilized, in harsh environmental or electrical conditions outside **TURCK's** written specifications.
- 4) The **WARRANTIES** are applicable only to Products shipped from **TURCK** subsequent to January 1, 1988.

ADDITIONAL SPECIFIC TERMS FOR -

(12-MONTH STANDARD WARRANTY) for Linear Displacement Transducers (EZ-Track) and RFID products, Draw Wire Assemblies / Slip Rings.

(18-MONTH STANDARD WARRANTY) FOR Q-TRACK INDUCTIVE SENSORS, ULTRASONIC SENSORS, FLOW SENSORS, PRESSURE SENSORS, TEMPERATURE SENSORS, CABLES AND ALL NON-SENSING PRODUCTS SOLD BY TURCK INC. INCLUDING MULTI-SAFE, MULTI-MODUL, MULTI-CART AND RELATED AMPLIFIER PRODUCTS, RELAYS AND TIMERS.

(24-MONTH STANDARD WARRANTY) FOR ENCODERS.

5-YEAR WARRANTY FOR INDUCTIVE AND CAPACITIVE PROXIMITY SENSORS: The periods covered for the above WARRANTIES and Products shall be 12 MONTHS, 18-MONTHS, 24-MONTHS and 5-YEARS, respectively, from the date of shipment from TURCK.

CONNECTIVITY PRODUCTS

ADDITIONAL SPECIFIC TERMS FOR - (continued)

LIFETIME WARRANTY (OPTIONAL - REGISTRATION REQUIRED) FOR INDUCTIVE, INDUCTIVE MAGNET OPERATED AND CAPACITIVE PROXIMITY SENSORS SOLD TO THE ORIGINAL PURCHASER FOR THE LIFETIME OF THE ORIGINAL APPLICATION.

The following terms apply to the LIFETIME WARRANTY in addition to the General Terms:

- 1) This WARRANTY shall be effective only when the LIFETIME WARRANTY REGISTRATION has been completed, signed by the End User and an authorized TURCK Representative or Distributor and has been received by TURCK no later than six (6) months after installation in the End User's Plant, or two (2) years from the date product was shipped from TURCK, whichever is sooner.
- 2) This warranty is available only to TURCK's authorized Representatives, Distributors and to the Original User. (The term "Original User" means that person, firm, or corporation which first uses the Product on a continuous basis in connection with the operation of a production line, piece of machinery, equipment, or similar device.) In the event the ownership of the product is transferred to a person, firm or corporation other than the Original User, this WARRANTY shall terminate.
- 3) This WARRANTY is applicable only to the Original Application. In the event the machinery, equipment, or production line to which the Product is connected, or on which it is installed, is substituted, changed, moved or replaced, the WARRANTY shall terminate.
- 4) This WARRANTY shall be valid only if the Product was purchased by the Original User from TURCK, or from an authorized TURCK Distributor, or was an integral part of a piece of machinery and equipment obtained by the Original user from an Original Equipment Manufacturer, which itself, was purchased directly from TURCK or from an authorized Distributor.

PURCHASER'S REMEDIES

This Remedy shall apply to all WARRANTIES. If a TURCK Distributor desires to make a WARRANTY Claim, the Distributor shall, if requested by TURCK, ship the Product to TURCK's factory in Minneapolis, Minnesota, postage or freight prepaid. If the User desires to make a WARRANTY Claim, they shall notify the authorized TURCK Distributor from whom it was purchased or, if such Distributor is unknown, shall notify TURCK. TURCK shall, at its option, take any of the following two courses of action for any products which TURCK determines are defective in materials or workmanship.

- 1) Repair or replace the Product and ship the Product to the Original Purchaser or to the authorized TURCK Distributor, postage or freight prepaid; or
- 2) Repay to the Original Purchaser that price paid by the Original Purchaser; provided that if the claim is made under the LIFETIME WARRANTY, and such Product is not then being manufactured by TURCK, then the amount to be repaid by TURCK to the Original Purchaser shall be reduced according to the following schedule:

<u>Number of Years Since Date of Purchase by Original Purchaser</u>	<u>Percent of Original Purchase Price To Be Paid by TURCK</u>
10	50%
15	25%
20	10%
More than 20	5%

PURCHASER'S REMEDIES SHALL BE LIMITED EXCLUSIVELY TO THE RIGHT OF REPLACEMENT, REPAIR OR REPAYMENT AS PROVIDED AND DOES NOT INCLUDE ANY LABOR COST OR REPLACEMENT AT ORIGINAL PURCHASER'S SITE. TURCK SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF ANY WARRANTY, EXPRESSED OR IMPLIED, APPLICABLE TO THE PRODUCT, INCLUDING WITHOUT LIMITATION, ANY DAMAGES RESULTING FROM PROPERTY DAMAGE, PERSONAL INJURY OR BUSINESS INTERRUPTION.

CONSIDER SAFETY AND PROTECTION PRECAUTIONS

TURCK takes great care to design and build reliable and dependable products, however, some products can fail eventually. You must take precautions to design your equipment to prevent property damage and personal injury in the unlikely event of failure. As a matter of policy, TURCK does NOT recommend the installation of electronic controls as the sole device FOR THE PROTECTION OF PERSONNEL in connection with power driven presses, brakes, shears and similar equipment and, therefore, the customer should build in redundancy or dual control using approved safety devices for these applications.

GOVERNING LAW

The sale and purchase of Products covered hereby and all terms and conditions hereof shall be governed by the law of the State of Minnesota.

CONNECTIVITY PRODUCTS

TURCK Inc. sells its products through Authorized Distributors. These distributors provide our customers with technical support, service and local stock. TURCK distributors are located nationwide – including all major metropolitan marketing areas.

For Application Assistance or for the location of your nearest TURCK distributor, call:
1-800-544-7769

Specifications in this manual are subject to change with out notice. TURCK also reserves the right to make modifications and makes no guarantee of the accuracy of the information contained herein.

Literature and Media questions or concerns?
Contact Marketing Communications TURCK USA – media@turck.com