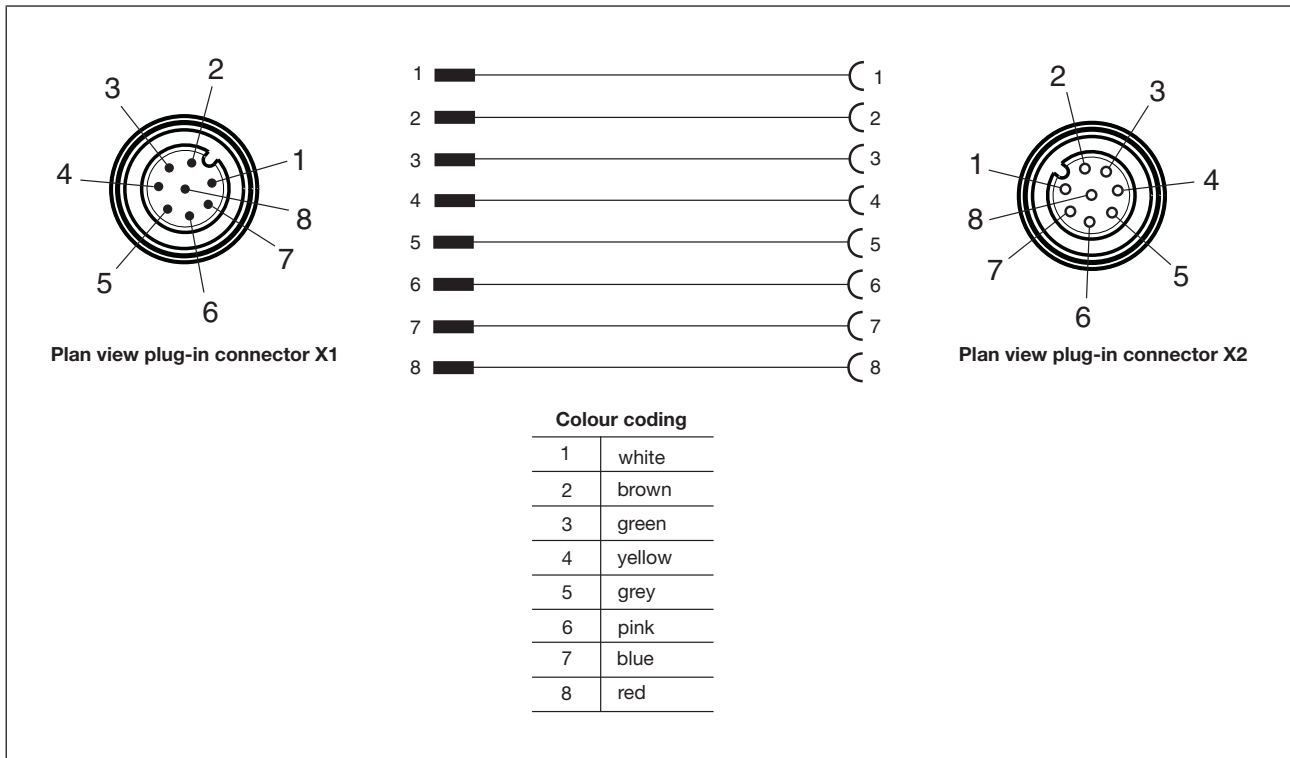


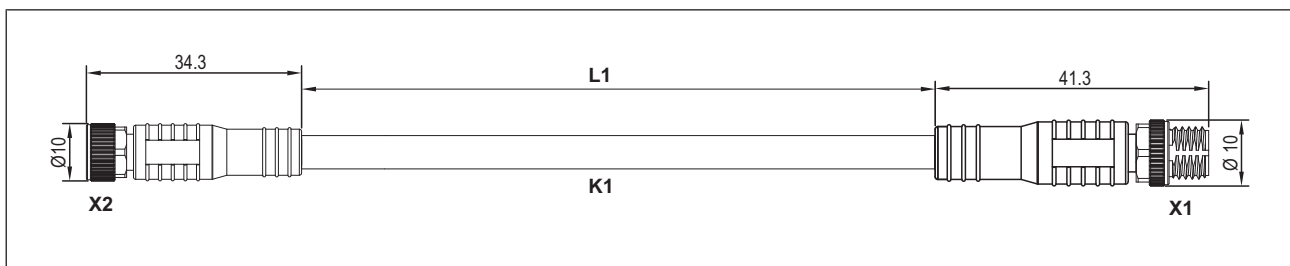
# Accessories

## PSEN Cable M8-M8 8p

### Connector pin assignment



### Dimensions in mm



# Accessories

## PSEN Cable M8-M8 8p

### Technical details Order no. 533155 - 533157

General	533155	533156	533157
Certifications	cULus Listed	cULus Listed	cULus Listed
Electrical data	533155	533156	533157
Rated voltage			
Voltage UB	30 V	30 V	30 V
Rated current	1,5 A	1,5 A	1,5 A
Test voltage	3.000 V	3.000 V	3.000 V
Typ. conductor resistance K1	140 Ohm/km	140 Ohm/km	140 Ohm/km
Insulation resistance	100 MOhm	100 MOhm	100 MOhm
Volume resistance	3 mOhm	3 mOhm	3 mOhm
Specific volume resistance K1	$\geq 7E+15$ Ohm*cm	$\geq 7E+15$ Ohm*cm	$\geq 7E+15$ Ohm*cm
Specific cable capacitance K1	57,5pF/m	57,5pF/m	57,5pF/m
Environmental data	533155	533156	533157
Temperature when using in the drag chain	-25 - 60 °C	-25 - 60 °C	-25 - 60 °C
Ambient temperature			
Temperature range	-40 - 80 °C	-40 - 80 °C	-40 - 80 °C
Airgap creepage			
Pollution degree	3	3	3
Protection type			
X1 when inserted	IP67	IP67	IP67
X2 when inserted	IP67	IP67	IP67
Housing	IP67	IP67	IP67
Mechanical data	533155	533156	533157
Plug-in connector X1	M8, 8-pin male connector	M8, 8-pin male connector	M8, 8-pin male connector
In accordance with the standard	EN 61076-2-104	EN 61076-2-104	EN 61076-2-104
Form, plug-in connector X1	Straight	Straight	Straight
Plug-in connector X2	M8, 8-pin female connector	M8, 8-pin female connector	M8, 8-pin female connector
In accordance with the standard	EN 61076-2-104	EN 61076-2-104	EN 61076-2-104
Form, plug-in connector X2	Straight	Straight	Straight
Housing material X1	PUR	PUR	PUR
Housing material X2	PUR	PUR	PUR

# Accessories

## PSEN Cable M8-M8 8p

Mechanical data	533155	533156	533157
Material of contact surface X1	<b>Au</b>	<b>Au</b>	<b>Au</b>
Material of contact surface X2	<b>Au</b>	<b>Au</b>	<b>Au</b>
Material of pin	<b>CuZn</b>	<b>CuZn</b>	<b>CuZn</b>
Material of socket	<b>CuSn</b>	<b>CuSn</b>	<b>CuSn</b>
Conductor material K1	<b>Cu</b>	<b>Cu</b>	<b>Cu</b>
Insulating cover for conductor K1	<b>PP cold resistance</b>	<b>PP cold resistance</b>	<b>PP cold resistance</b>
Mating cycles X1	<b>100</b>	<b>100</b>	<b>100</b>
Mating cycles X2	<b>100</b>	<b>100</b>	<b>100</b>
Cable type K1	<b>LiF9Y11Y</b>	<b>LiF9Y11Y</b>	<b>LiF9Y11Y</b>
Cable length L1	<b>0,5 m</b>	<b>1 m</b>	<b>2 m</b>
Colour of external cable insulation K1	<b>Yellow, similar to RAL1003</b>	<b>Yellow, similar to RAL1003</b>	<b>Yellow, similar to RAL1003</b>
Colour of housing	<b>black</b>	<b>black</b>	<b>black</b>
Cable insulation material K1	<b>PUR, TPU / TPE-U</b>	<b>PUR, TPU / TPE-U</b>	<b>PUR, TPU / TPE-U</b>
Drag chain suitable K1	<b>yes</b>	<b>yes</b>	<b>yes</b>
Min. bending radius (fixed permanently) K1	<b>5 x Ø</b>	<b>5 x Ø</b>	<b>5 x Ø</b>
Min. bending radius (moving) K1	<b>15 x Ø</b>	<b>15 x Ø</b>	<b>15 x Ø</b>
Max. traverse path K1	<b>1 m</b>	<b>1 m</b>	<b>1 m</b>
Bending cycles cable K1	<b>5.000.000</b>	<b>5.000.000</b>	<b>5.000.000</b>
Max. traverse speed K1	<b>4 m/s</b>	<b>4 m/s</b>	<b>4 m/s</b>
Max. acceleration K1	<b>5 m/s<sup>2</sup></b>	<b>5 m/s<sup>2</sup></b>	<b>5 m/s<sup>2</sup></b>
Cable diameter K1	<b>5,55 mm</b>	<b>5,55 mm</b>	<b>5,55 mm</b>
Max. cable diameter K1	<b>5,7 mm</b>	<b>5,7 mm</b>	<b>5,7 mm</b>
Conductor cross section K1	<b>0,14 mm<sup>2</sup></b>	<b>0,14 mm<sup>2</sup></b>	<b>0,14 mm<sup>2</sup></b>
Conductor cross section AWG K1	<b>26</b>	<b>26</b>	<b>26</b>
Wire colour K1	<b>White, brown, green, yellow, grey, pink, blue, red</b>	<b>White, brown, green, yellow, grey, pink, blue, red</b>	<b>White, brown, green, yellow, grey, pink, blue, red</b>
Stranding K1	<b>8 cores around cotton filler</b>	<b>8 cores around cotton filler</b>	<b>8 cores around cotton filler</b>
Shielding K1	<b>No</b>	<b>No</b>	<b>No</b>
Wire layer separation K1	<b>No</b>	<b>No</b>	<b>No</b>
No. of wires K1	<b>8</b>	<b>8</b>	<b>8</b>
Certification cable K1	<b>UL AWM-Style 20233, UL/CSA</b>	<b>UL AWM-Style 20233, UL/CSA</b>	<b>UL AWM-Style 20233, UL/CSA</b>

# Accessories

## PSEN Cable M8-M8 8p

Mechanical data	533155	533156	533157
Halogen-free	yes	yes	yes
Silicone-free	yes	yes	yes
Oil resistance	Resistant	Resistant	Resistant
Non-flammability	CSA FT-2, UL 1581, Cable Flame	CSA FT-2, UL 1581, Cable Flame	CSA FT-2, UL 1581, Cable Flame
Material			
Housing	PUR	PUR	PUR
Torque of the interlock screw	0,4 Nm	0,4 Nm	0,4 Nm
Weight	30 g	45 g	80 g

### Technical details Order no. 533158 - 533159

General	533158	533159
Certifications	cULus Listed	cULus Listed
Electrical data	533158	533159
Rated voltage		
Voltage UB	30 V	30 V
Rated current	1,5 A	1,5 A
Test voltage	3.000 V	3.000 V
Typ. conductor resistance K1	140 Ohm/km	140 Ohm/km
Insulation resistance	100 MOhm	100 MOhm
Volume resistance	3 mOhm	3 mOhm
Specific volume resistance K1	>= 7E+15 Ohm*cm	>= 7E+15 Ohm*cm
Specific cable capacitance K1	57,5pF/m	57,5pF/m
Environmental data	533158	533159
Temperature when using in the drag chain	-25 - 60 °C	-25 - 60 °C
Ambient temperature		
Temperature range	-40 - 80 °C	-40 - 80 °C
Airgap creepage		
Pollution degree	3	3
Protection type		
X1 when inserted	IP67	IP67
X2 when inserted	IP67	IP67
Housing	IP67	IP67
Mechanical data	533158	533159
Plug-in connector X1	M8, 8-pin male connector	M8, 8-pin male connector
In accordance with the standard	EN 61076-2-104	EN 61076-2-104
Form, plug-in connector X1	Straight	Straight

# Accessories

## PSEN Cable M8-M8 8p

Mechanical data	533158	533159
Plug-in connector X2	<b>M8, 8-pin female connector</b>	<b>M8, 8-pin female connector</b>
In accordance with the standard	<b>EN 61076-2-104</b>	<b>EN 61076-2-104</b>
Form, plug-in connector X2	<b>Straight</b>	<b>Straight</b>
Housing material X1	<b>PUR</b>	<b>PUR</b>
Housing material X2	<b>PUR</b>	<b>PUR</b>
Material of contact surface X1	<b>Au</b>	<b>Au</b>
Material of contact surface X2	<b>Au</b>	<b>Au</b>
Material of pin	<b>CuZn</b>	<b>CuZn</b>
Material of socket	<b>CuSn</b>	<b>CuSn</b>
Conductor material K1	<b>Cu</b>	<b>Cu</b>
Insulating cover for conductor K1	<b>PP cold resistance</b>	<b>PP cold resistance</b>
Mating cycles X1	<b>100</b>	<b>100</b>
Mating cycles X2	<b>100</b>	<b>100</b>
Cable type K1	<b>LiF9Y11Y</b>	<b>LiF9Y11Y</b>
Cable length L1	<b>5 m</b>	<b>10 m</b>
Colour of external cable insulation K1	<b>Yellow, similar to RAL1003</b>	<b>Yellow, similar to RAL1003</b>
Colour of housing	<b>black</b>	<b>black</b>
Cable insulation material K1	<b>PUR, TPU / TPE-U</b>	<b>PUR, TPU / TPE-U</b>
Drag chain suitable K1	<b>yes</b>	<b>yes</b>
Min. bending radius (fixed permanently) K1	<b>5 x Ø</b>	<b>5 x Ø</b>
Min. bending radius (moving) K1	<b>15 x Ø</b>	<b>15 x Ø</b>
Max. traverse path K1	<b>1 m</b>	<b>1 m</b>
Bending cycles cable K1	<b>5.000.000</b>	<b>5.000.000</b>
Max. traverse speed K1	<b>4 m/s</b>	<b>4 m/s</b>
Max. acceleration K1	<b>5 m/s<sup>2</sup></b>	<b>5 m/s<sup>2</sup></b>
Cable diameter K1	<b>5,55 mm</b>	<b>5,55 mm</b>
Max. cable diameter K1	<b>5,7 mm</b>	<b>5,7 mm</b>
Conductor cross section K1	<b>0,14 mm<sup>2</sup></b>	<b>0,14 mm<sup>2</sup></b>
Conductor cross section AWG K1	<b>26</b>	<b>26</b>
Wire colour K1	<b>White, brown, green, yellow, grey, pink, blue, red</b>	<b>White, brown, green, yellow, grey, pink, blue, red</b>
Stranding K1	<b>8 cores around cotton filler</b>	<b>8 cores around cotton filler</b>
Shielding K1	<b>No</b>	<b>No</b>
Wire layer separation K1	<b>No</b>	<b>No</b>
No. of wires K1	<b>8</b>	<b>8</b>
Certification cable K1	<b>UL AWM-Style 20233, UL/CSA</b>	<b>UL AWM-Style 20233, UL/CSA</b>
Halogen-free	<b>yes</b>	<b>yes</b>
Silicone-free	<b>yes</b>	<b>yes</b>
Oil resistance	<b>Resistant</b>	<b>Resistant</b>

# Accessories

## PSEN Cable M8-M8 8p

<b>Mechanical data</b>	<b>533158</b>	<b>533159</b>
Non-flammability	CSA FT-2, UL 1581, Cable Flame	CSA FT-2, UL 1581, Cable Flame
Material		
Housing	PUR	PUR
Torque of the interlock screw	0,4 Nm	0,4 Nm
Weight	180 g	351 g

### Technical details Order no. 533160 - 533161

<b>General</b>	<b>533160</b>	<b>533161</b>
Certifications	cULus Listed	cULus Listed
<b>Electrical data</b>	<b>533160</b>	<b>533161</b>
Rated voltage		
Voltage UB	30 V	30 V
Rated current	1,5 A	1,5 A
Test voltage	3.000 V	3.000 V
Typ. conductor resistance K1	140 Ohm/km	140 Ohm/km
Insulation resistance	100 MOhm	100 MOhm
Volume resistance	3 mOhm	3 mOhm
Specific volume resistance K1	$\geq 7E+15$ Ohm*cm	$\geq 7E+15$ Ohm*cm
Specific cable capacitance K1	57,5pF/m	57,5pF/m
<b>Environmental data</b>	<b>533160</b>	<b>533161</b>
Temperature when using in the drag chain	-25 - 60 °C	-25 - 60 °C
Ambient temperature		
Temperature range	-40 - 80 °C	-40 - 80 °C
Airgap creepage		
Pollution degree	3	3
Protection type		
X1 when inserted	IP67	IP67
X2 when inserted	IP67	IP67
Housing	IP67	IP67
<b>Mechanical data</b>	<b>533160</b>	<b>533161</b>
Plug-in connector X1	M8, 8-pin male connector	M8, 8-pin male connector
In accordance with the standard	EN 61076-2-104	EN 61076-2-104
Form, plug-in connector X1	Straight	Straight
Plug-in connector X2	M8, 8-pin female connector	M8, 8-pin female connector
In accordance with the standard	EN 61076-2-104	EN 61076-2-104
Form, plug-in connector X2	Straight	Straight
Housing material X1	PUR	PUR
Housing material X2	PUR	PUR

# Accessories

## PSEN Cable M8-M8 8p

Mechanical data	533160	533161
Material of contact surface X1	<b>Au</b>	<b>Au</b>
Material of contact surface X2	<b>Au</b>	<b>Au</b>
Material of pin	<b>CuZn</b>	<b>CuZn</b>
Material of socket	<b>CuSn</b>	<b>CuSn</b>
Conductor material K1	<b>Cu</b>	<b>Cu</b>
Insulating cover for conductor K1	<b>PP cold resistance</b>	<b>PP cold resistance</b>
Mating cycles X1	<b>100</b>	<b>100</b>
Mating cycles X2	<b>100</b>	<b>100</b>
Cable type K1	<b>LI F9Y11Y</b>	<b>LI F9Y11Y</b>
Cable length L1	<b>20 m</b>	<b>30 m</b>
Colour of external cable insulation K1	<b>Yellow, similar to RAL1003</b>	<b>Yellow, similar to RAL1003</b>
Colour of housing	<b>black</b>	<b>black</b>
Cable insulation material K1	<b>PUR, TPU / TPE-U</b>	<b>PUR, TPU / TPE-U</b>
Drag chain suitable K1	<b>yes</b>	<b>yes</b>
Min. bending radius (fixed permanently) K1	<b>5 x Ø</b>	<b>5 x Ø</b>
Min. bending radius (moving) K1	<b>15 x Ø</b>	<b>15 x Ø</b>
Max. traverse path K1	<b>1 m</b>	<b>1 m</b>
Bending cycles cable K1	<b>5.000.000</b>	<b>5.000.000</b>
Max. traverse speed K1	<b>4 m/s</b>	<b>4 m/s</b>
Max. acceleration K1	<b>5 m/s<sup>2</sup></b>	<b>5 m/s<sup>2</sup></b>
Cable diameter K1	<b>5,55 mm</b>	<b>5,55 mm</b>
Max. cable diameter K1	<b>5,7 mm</b>	<b>5,7 mm</b>
Conductor cross section K1	<b>0,14 mm<sup>2</sup></b>	<b>0,14 mm<sup>2</sup></b>
Conductor cross section AWG K1	<b>26</b>	<b>26</b>
Wire colour K1	<b>White, brown, green, yellow, grey, pink, blue, red</b>	<b>White, brown, green, yellow, grey, pink, blue, red</b>
Stranding K1	<b>8 cores around cotton filler</b>	<b>8 cores around cotton filler</b>
Shielding K1	<b>No</b>	<b>No</b>
Wire layer separation K1	<b>No</b>	<b>No</b>
No. of wires K1	<b>8</b>	<b>8</b>
Certification cable K1	<b>UL AWM-Style 20233, UL/CSA</b>	<b>UL AWM-Style 20233, UL/CSA</b>
Halogen-free	<b>yes</b>	<b>yes</b>
Silicone-free	<b>yes</b>	<b>yes</b>
Oil resistance	<b>Resistant</b>	<b>Resistant</b>
Non-flammability	<b>CSA FT-2, UL 1581, Cable Flame</b>	<b>CSA FT-2, UL 1581, Cable Flame</b>
Material		
Housing	<b>PUR</b>	<b>PUR</b>
Torque of the interlock screw	<b>0,4 Nm</b>	<b>0,4 Nm</b>
Weight	<b>695 g</b>	<b>1.022 g</b>

# Accessories

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## PSEN Cable M8-M8 8p

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### Order reference

Product type	Features	Connector X1	Connector X2	Connector X3	Order no.
PSEN cable M8-8sf M8-sm, 0.5m	0.5 m	M 8, 8-pin male connector, straight	M 8, 8-pin fe- male con- nector, straight		533155
PSEN cable M8-8sf M8-8sm, 1m	1 m	M 8, 8-pin male connector, straight	M 8, 8-pin fe- male con- nector, straight		533156
PSEN cable M8-8sf M8-8sm, 2m	2 m	M 8, 8-pin male connector, straight	M 8, 8-pin fe- male con- nector, straight		533157
PSEN cable M8-8sf M8-8sm, 5m	5 m	M 8, 8-pin male connector, straight	M 8, 8-pin fe- male con- nector, straight		533158
PSEN cable M8-8sf M8-8sm, 10m	10 m	M 8, 8-pin male connector, straight	M 8, 8-pin fe- male con- nector, straight		533159
PSEN cable M8-8sf M8-8sm, 20m	20 m	M 8, 8-pin male connector, straight	M 8, 8-pin fe- male con- nector, straight		533160
PSEN cable M8-8sf M8-8sm, 30m	30 m	M 8, 8-pin male connector, straight	M 8, 8-pin fe- male con- nector, straight		533161