

**Product:** [RP12M-MSSV4D-0508](#) 

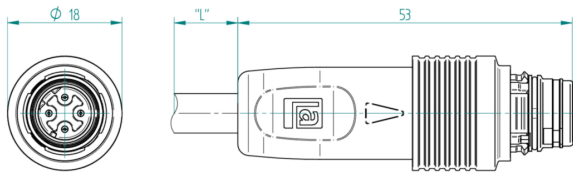


M12 pigtail, Push Pull, Rolling Stock, EN45545, PUR black cable, shielded, male, straight, D-coded, 4-Pin, 4x0.34mm<sup>2</sup>, PoE

**Product Description**

M12 pigtail, Push Pull, sensor cable, PVC orange cable, shielded, male, straight, A-coded, 4-Pin, 4x0.34mm<sup>2</sup>, 50 V AC / 60 V DC, 4 A, - 25 °C - + 70 °C (operating temp.), IP65, IP67, DIN EN 60332-1-2, VDE 0482-332-1-2, IEC 60332-1-2, UL VW-1, CSA FT-1, DIN EN 50267-2-1, IEC 60754-1, VDE 0482-267-2-1, Free of lacquer wetting disturbing substances, Exclusion of silicone, Coldness flexibility

**Technical Drawing**



**Technical Specifications**

**Technical Data**

Product Family:	Data Connectors
Side 1 Product Sub Family:	M12 Railway push pull
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Side 1 Type of Contact/Gender:	Male
Connector Design:	Straight
Number of Pins:	4
Coding, Side 1:	D
Shielding Type:	Shielded
Attachment Type:	Snap Ring
Voltage Rating:	60 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	50 V AC / 60 V DC
Current Rating:	4 A
Data Transmission Type:	Fast Ethernet Cat5e
Data Transmission Rate:	100 Mbit/s
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 <sup>9</sup> Ohm

Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C - + 85 °C
Protection Degree / IP Rating**:	IP65, IP67
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category:	III acc. to DIN EN 60664-1 (VDE 0110-1)

## Materials

Contact Base Material:	CuSn
Side 1 Contact Plating:	Cu/Au
Contact Bearer Material:	PA
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 V-0
Molded Body Material:	PA
Molded Body Color:	Black
Flammability Class (Molded Body):	UL 94 V-0
Attachment Material:	PA
Shielding Material:	GD-Zn, nickel-plated

## Additional Technical Data

Fastening Torque (Attachment):	PushPull
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## Cable Data

Cable Number:	508
Conductor Size:	0.34 mm <sup>2</sup>
Number of Wires:	4
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Conductor Material:	Cu
Cable Jacket Material:	X-FRNC
Cable Jacket Color:	black
Cable Diameter D:	ø 6.70 ± 0.30 mm
Wire Insulation Material:	Polyolefin
Insulated Wire Diameter:	ø 1.63 ± 0.05 mm
Overall Shield (Cable):	Cu-ETP1 tinned
Foil shield:	Al-PT Foil
Ambient Temperature (Fixed Installation):	- 40 °C - + 90 °C
Ambient Temperature (Flex Installation):	- 40 °C - + 90 °C
Flammability Class (Cable Jacket):	Flame resistance acc. IEC 45545: IEC 60332-1-2, EN50305 and IEC60332-3-25 cat D
Cable Characteristics:	cable meets the requirements of the relevant parts of international railway standards like DIN 5510-2, EN50153 EN50155, EN50305 and CEN/TS 45545
Core Colors:	white & blue, yellow & orange

## Safety & Environmental Compliance

RoHS Compliant:	yes
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## Resistances

Halogenfree:	IEC 60754-1, EN 50267-1-2, HCL < 0.4%
Oil Resistance:	IEC 60811-2-1, EN 50306 par 4.8, EN 50306 par 4.9, EN 50306 par 4.10

## Notes

Note Derating:	* Notice derating
Protection Degree / IP Rating Note:	** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector.

## Variants

Item #	Item Description
935301028	RP12M-MSSV4D-0508-0500
935301027	RP12M-MSSV4D-0508-0300
935301026	RP12M-MSSV4D-0508-0200
935301025	RP12M-MSSV4D-0508-0100

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