

Product: [RP12M-MAS54D-0508](#)

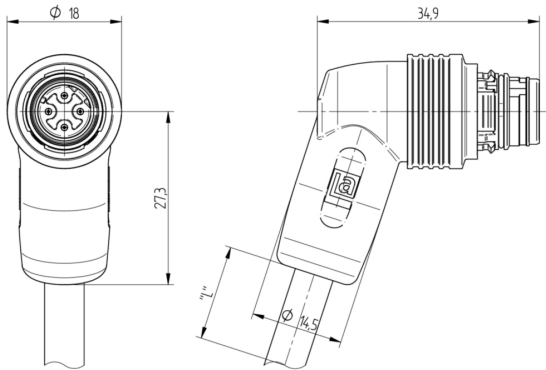


Fast Ethernet Cat5e Data Single-Ended Cordset: M12 PushPull Railway, male, angled, 4-pin, D-coded, shielded

Product Description

Fast Ethernet Cat5e Data Single-Ended Cordset: M12 PushPull Railway, male, angled, 4-pin, D-coded, shielded, black body, 50 V AC / 60 V DC, 4 A; X-FRNC black cable, 4-wires, 0.34 mm²

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:	angled
Number of Pins:	4
Coding, Side 1:	D
Shielding Type:	Shielded
Attachment Type:	Inner Push Pull
Voltage Rating:	60 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	50 V AC / 60 V DC
Data Transmission Type:	Fast Ethernet Cat5e
Data Transmission Rate:	100 Mbit/s
Side 1 Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 ⁹ Ohm
Mating Cycles:	≤ 100
Protection Degree / IP Rating**:	IP65, IP67

Side 1 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

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 mm²
Number of Wires:	4
Cycles (Bending):	-
Cycles (Torsion):	-
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
Ambient Temperature (Drag Chain Inst):	-
UL Cable Type:	-
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

Approvals

UL-File:	-
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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.

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