

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

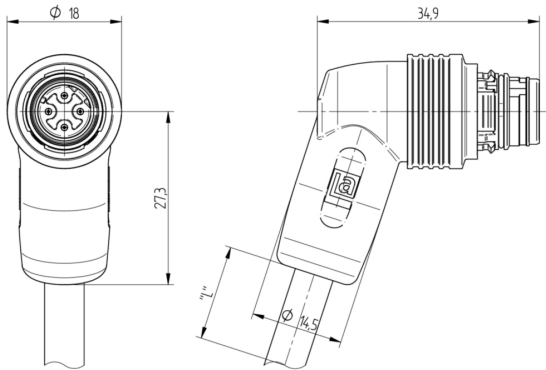


Fast Ethernet Cat5e Data Double-Ended Cordset: M12 PushPull Railway, male, angled, 4-pin, D-coded, shielded

Product Description

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

Technical Drawing



Technical Specifications

Product Description

Product Family:	Data Connectors
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding Type:	Shielded
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

Technical Data Side 1

Side 1 Product Sub Family:	M12 Railway push pull
Side 1 Type of Contact/Gender:	Male
Connector Design:	angled
Attachment Type:	Inner Push Pull
Number of Pins:	4
Coding, Side 1:	D
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)
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
Fastening Torque (Attachment):	PushPull

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

Technical Data Side 2

Side 2 Type of Contact/Gender:	Male
Connector Design, Side 2:	angled
Attachment Type, Side 2:	Inner Push Pull
Number of Pins, Side 2:	4
Coding, Side 2:	D
Contact Resistance, Side 2:	≤ 10 mOhm
Insulation Resistance, Side 2:	> 10^9 Ohm
Mating Cycles, Side 2:	≤ 100
Protection Degree / IP Rating, Side 2**:	IP65, IP67
Pollution Degree, Side 2:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category, Side 2:	III acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material, Side 2:	CuSn
Contact Plating, Side 2:	Cu/Au
Contact Bearer Material, Side 2:	PA
Contact Bearer Color, Side 2:	Black
Flammability Class (Contact Bearer), Side 2:	UL 94 V-0
Molded Body Material, Side 2:	PA
Molded Body Color, Side 2:	Black
Flammability Class (Molded Body), Side 2:	UL 94 V-0

Attachment Material, Side 2:	PA
Shielding Material, Side 2:	GD-Zn, nickel-plated
Fastening Torque (Attachment), Side 2:	PushPull

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

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

History

Update and Revision:	Revision Number: 0.4 Revision Date: 07-14-2026
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Variants

Item #	Item Description	Cable Length
935310005	RP12M-MAS54D-RP12M-MAS54D-0508-0100	1 m
935310006	RP12M-MAS54D-RP12M-MAS54D-0508-0200	2 m
935310007	RP12M-MAS54D-RP12M-MAS54D-0508-0300	3 m
935310008	RP12M-MAS54D-RP12M-MAS54D-0508-0500	5 m

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