

Product: RP12M-MSSV8X-RP12M-MSSV8X-0552 ☑

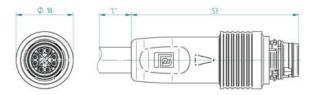


M12 cordset, Push Pull, Rolling Stock, CAT 7, EN45545, X-FRNC/LSNH blue cable, shielded, male, straight, X-coded, 8-Pin, 4x2x0.25mm², twisted pairs, PoE+

Product Description

M12 cordset, Push Pull (IEC 61076-2-010), Rolling Stock, CAT 7, EN45545, X-FRNC/LSNH blue cable, shielded, male to male, straight to straight, X-coded, 8-Pin, 4x2x0.25mm², twisted pairs, PoE+, 10GBASE-T, 50 V AC / 60 V DC, 0.5 A, - 40 °C - + 85 °C (operating temp.), IP65, IP67

Technical Drawing



Technical Specifications

Product Description

Product Family:	Data Connectors
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding:	Shielded
Rated Voltage:	60 V
Rated Impulse Voltage:	0.8 kV
Operating Voltage:	50 V AC / 60 V DC
Rated Current*:	0.5 A
Data Transmission:	Gigabit Ethernet Cat7
Data Transmission Rate:	10 Gbit/s

Technical Data Side 1

Product Sub Family:	M12 Railway push pull
Type of Contact / Gender:	Male
Connector Design:	Straight
Attachment Type:	Snap Ring
Number of Pins:	8
Coding:	Х
Contact Resistance:	≤ 10 mOhm

Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C - + 85 °C
Protection Degree / IP Rating**:	IP65, IP67
Design Standard:	IEC 61076-2-109/-010, DIN EN 50467
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category:	II acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material:	CuZn
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

Conductor Size: 4x2x0.25 mm² Number of Wires: 8 Minimal Bending Radius (Fixed Inst): > 4 x D Conductor material: Cu Cable Jacket Material: X-FRNC/LSNH Cable Jacket Color: blue Cable Diameter D: Ø 8.1 ± 0.3 mm Wire Insulation Material: E-beam X-linked Foam-skin polyethylene Insulated Wire Diameter: max. Ø 1.60 mm Overall Shield (Cable): Cu-ETP1 tinned Foil shield: AL-polyester foil Ambient Temperature (Fixed Installation): -40 °C - +90 °C Ambient Temperature (Flex Installation): -5 °C - +50 °C Flammability Class (Cable Jacket): IEC 60332-1-2, EN 50305 (9.1.1), IEC 60332-3-25, DIN 5510-2 protection level 1 to 4, EN 45545-2: HL1-HL3		
Number of Wires: 8 Minimal Bending Radius (Fixed Inst): > 4 x D Conductor material: Cu Cable Jacket Material: X-FRNC/LSNH Cable Jacket Color: blue Cable Diameter D: Ø 8.1 ± 0.3 mm Wire Insulation Material: E-beam X-linked Foam-skin polyethylene Insulated Wire Diameter: max. Ø 1.60 mm Overall Shield (Cable): Cu-ETP1 tinned Foil shield: AL-polyester foil Ambient Temperature (Fixed Installation): -40 °C - + 90 °C Ambient Temperature (Flex Installation): -5 °C - + 50 °C Flammability Class (Cable Jacket): IEC 60332-1-2, EN 50305 (9.1.1), IEC 60332-3-25, DIN 5510-2 protection level 1 to 4, EN 45545-2: HL1-HL3	Cable Number:	552
Minimal Bending Radius (Fixed Inst): > 4 x D Conductor material: Cu Cable Jacket Material: X-FRNC/LSNH Cable Jacket Color: blue Cable Diameter D: Ø 8.1 ± 0.3 mm Wire Insulation Material: E-beam X-linked Foam-skin polyethylene Insulated Wire Diameter: max. Ø 1.60 mm Overall Shield (Cable): Cu-ETP1 tinned Foil shield: AL-polyester foil Ambient Temperature (Fixed Installation): -40 °C - + 90 °C Ambient Temperature (Flex Installation): -5 °C - + 50 °C Flammability Class (Cable Jacket): IEC 60332-1-2, EN 50305 (9.1.1), IEC 60332-3-25, DIN 5510-2 protection level 1 to 4, EN 45545-2: HL1-HL3	Conductor Size:	4x2x0.25 mm²
Conductor material: Cu Cable Jacket Material: X-FRNC/LSNH Cable Jacket Color: blue Cable Diameter D: Ø 8.1 ± 0.3 mm Wire Insulation Material: E-beam X-linked Foam-skin polyethylene Insulated Wire Diameter: max. Ø 1.60 mm Overall Shield (Cable): Cu-ETP1 tinned Foil shield: AL-polyester foil Ambient Temperature (Fixed Installation): -40 °C - + 90 °C Ambient Temperature (Flex Installation): -5 °C - + 50 °C Flammability Class (Cable Jacket): IEC 60332-1-2, EN 50305 (9.1.1), IEC 60332-3-25, DIN 5510-2 protection level 1 to 4, EN 45545-2: HL1-HL3	Number of Wires:	8
Cable Jacket Material: X-FRNC/LSNH Cable Jacket Color: blue Cable Diameter D: Ø 8.1 ± 0.3 mm Wire Insulation Material: E-beam X-linked Foam-skin polyethylene Insulated Wire Diameter: max. Ø 1.60 mm Overall Shield (Cable): Cu-ETP1 tinned Foil shield: AL-polyester foil Ambient Temperature (Fixed Installation): -40 °C - + 90 °C Ambient Temperature (Flex Installation): -5 °C - + 50 °C Flammability Class (Cable Jacket): IEC 60332-1-2, EN 50305 (9.1.1), IEC 60332-3-25, DIN 5510-2 protection level 1 to 4, EN 45545-2: HL1-HL3	Minimal Bending Radius (Fixed Inst):	>4 x D
Cable Jacket Color: Cable Diameter D: Ø 8.1 ± 0.3 mm Wire Insulation Material: E-beam X-linked Foam-skin polyethylene Insulated Wire Diameter: max. Ø 1.60 mm Overall Shield (Cable): Cu-ETP1 tinned AL-polyester foil AL-polyester foil Ambient Temperature (Fixed Installation): -40 °C - + 90 °C Ambient Temperature (Flex Installation): -5 °C - + 50 °C Flammability Class (Cable Jacket): IEC 60332-1-2, EN 50305 (9.1.1), IEC 60332-3-25, DIN 5510-2 protection level 1 to 4, EN 45545-2: HL1-HL3	Conductor material:	Cu
Cable Diameter D: ø 8.1 ± 0.3 mm Wire Insulation Material: E-beam X-linked Foam-skin polyethylene Insulated Wire Diameter: max. ø 1.60 mm Overall Shield (Cable): Cu-ETP1 tinned Foil shield: AL-polyester foil Ambient Temperature (Fixed Installation): -40 °C - + 90 °C Ambient Temperature (Flex Installation): -5 °C - + 50 °C Flammability Class (Cable Jacket): IEC 60332-1-2, EN 50305 (9.1.1), IEC 60332-3-25, DIN 5510-2 protection level 1 to 4, EN 45545-2: HL1-HL3	Cable Jacket Material:	X-FRNC/LSNH
Wire Insulation Material: E-beam X-linked Foam-skin polyethylene Insulated Wire Diameter: max. ø 1.60 mm Overall Shield (Cable): Cu-ETP1 tinned AL-polyester foil Ambient Temperature (Fixed Installation): -40 °C - + 90 °C Ambient Temperature (Flex Installation): -5 °C - + 50 °C Flammability Class (Cable Jacket): IEC 60332-1-2, EN 50305 (9.1.1), IEC 60332-3-25, DIN 5510-2 protection level 1 to 4, EN 45545-2: HL1-HL3	Cable Jacket Color:	blue
Insulated Wire Diameter: max. ø 1.60 mm Overall Shield (Cable): Cu-ETP1 tinned Foil shield: AL-polyester foil Ambient Temperature (Fixed Installation): -40 °C - + 90 °C Ambient Temperature (Flex Installation): -5 °C - + 50 °C Flammability Class (Cable Jacket): IEC 60332-1-2, EN 50305 (9.1.1), IEC 60332-3-25, DIN 5510-2 protection level 1 to 4, EN 45545-2: HL1-HL3	Cable Diameter D:	ø 8.1 ± 0.3 mm
Overall Shield (Cable): Cu-ETP1 tinned AL-polyester foil Ambient Temperature (Fixed Installation): -40 °C - + 90 °C Ambient Temperature (Flex Installation): -5 °C - + 50 °C Flammability Class (Cable Jacket): IEC 60332-1-2, EN 50305 (9.1.1), IEC 60332-3-25, DIN 5510-2 protection level 1 to 4, EN 45545-2: HL1-HL3	Wire Insulation Material:	E-beam X-linked Foam-skin polyethylene
Foil shield: AL-polyester foil Ambient Temperature (Fixed Installation): -40 °C - + 90 °C Ambient Temperature (Flex Installation): -5 °C - + 50 °C Flammability Class (Cable Jacket): IEC 60332-1-2, EN 50305 (9.1.1), IEC 60332-3-25, DIN 5510-2 protection level 1 to 4, EN 45545-2: HL1-HL3	Insulated Wire Diameter:	max. ø 1.60 mm
Ambient Temperature (Fixed Installation): -40 °C - +90 °C Ambient Temperature (Flex Installation): -5 °C - +50 °C Flammability Class (Cable Jacket): IEC 60332-1-2, EN 50305 (9.1.1), IEC 60332-3-25, DIN 5510-2 protection level 1 to 4, EN 45545-2: HL1-HL3	Overall Shield (Cable):	Cu-ETP1 tinned
Ambient Temperature (Flex Installation): -5 °C - + 50 °C Flammability Class (Cable Jacket): IEC 60332-1-2, EN 50305 (9.1.1), IEC 60332-3-25, DIN 5510-2 protection level 1 to 4, EN 45545-2: HL1-HL3	Foil shield:	AL-polyester foil
Flammability Class (Cable Jacket): IEC 60332-1-2, EN 50305 (9.1.1), IEC 60332-3-25, DIN 5510-2 protection level 1 to 4, EN 45545-2: HL1-HL3	Ambient Temperature (Fixed Installation):	- 40 °C - + 90 °C
	Ambient Temperature (Flex Installation):	-5 °C - + 50 °C
Core Colors: Twisted pairs: white & blue, white & orange, white & green, white & brown	Flammability Class (Cable Jacket):	IEC 60332-1-2, EN 50305 (9.1.1), IEC 60332-3-25, DIN 5510-2 protection level 1 to 4, EN 45545-2: HL1-HL3
	Core Colors:	Twisted pairs: white & blue, white & orange, white & green, white & brown

Technical Data Side 2

M12 Railway push pull
Male
Straight
Snap Ring
8
X
≤ 10 mOhm
> 10^9 Ohm
≤ 100
IP65, IP67
IEC 61076-2-109/-010
3 acc. to DIN EN 60664-1 (VDE 0110-1)
II acc. to DIN EN 60664-1 (VDE 0110-1)
CuZn
Cu/Au
PA
Black
UL 94 V0
PA

AbN automation

Molded Body Color, Side 2:	Black
Flammability Class (Molded Body), Side 2:	UL 94 V0
Attachment Material, Side 2:	PA
Shielding Material, Side 2:	GD-Zn, nickel-plated
Fastening Torque (Attachment), Side 2:	PushPull

Safety & Environmental Compliance

RoHS Compliant:	yes
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Resistances

Halogenfree:	IEC 60754-1, EN 50267-1-2
Oil Resistance:	IEC 60811-2-1

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: 0.11 Revision Date: 09-19-2024

Variants

Item #	Item Description
935300408	RP12M-MSSV8X-RP12M-MSSV8X-0552-0500
935300407	RP12M-MSSV8X-RP12M-MSSV8X-0552-0300
935300406	RP12M-MSSV8X-RP12M-MSSV8X-0552-0200
935300405	RP12M-MSSV8X-RP12M-MSSV8X-0552-0100

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