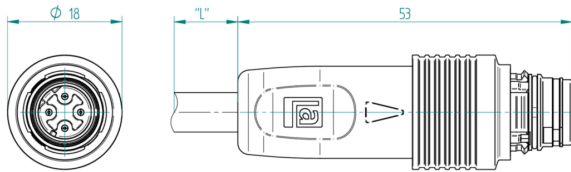# Product: RP12M-MSSV4D-RP12M-MSSV4D-0508 ↗

M12 cordset, Push Pull, Rolling Stock, EN45545, PUR black cable, shielded, male, straight, D-coded, 4-Pin, 4x0.34mm², PoE

Product Description

M12 cordset, Push Pull acc. to IEC 61076-2-010, Rolling Stock, EN45545-2, PUR black cable, shielded, male to male, straight to straight, D-coded, 4-Pin, 2x0.34mm², PoE, 100BASE-T, CAT 5, 50 V AC / 60 V DC, 4 A, - 40 °C - + 85 °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 flexibilty

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:	1.5 kV
Operating Voltage:	50 V AC / 60 V DC
Rated Current*:	4 A
Data Transmission:	Fast Ethernet Cat5e
Data Transmission Rate:	100 Mbit/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:	4
Coding:	D

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
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category:	III acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material:	CuSn
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
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

Technical Data Side 2

Product Sub Family, Side 2:	M12 Railway push pull
Type of Contact / Gender, Side 2:	Male
Connector Design, Side 2:	Straight
Attachment Type, Side 2:	Snap Ring
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 V0

Molded Body Material, Side 2:	PA
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

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: 0.14 Revision Date: 09-19-2024

Variants

Item #	Item Description
935302008	RP12M-MSSV4D-RP12M-MSSV4D-0508-0500
935302007	RP12M-MSSV4D-RP12M-MSSV4D-0508-0300
935302006	RP12M-MSSV4D-RP12M-MSSV4D-0508-0200
935302005	RP12M-MSSV4D-RP12M-MSSV4D-0508-0100

Mouser Electronics

Authorized Distributor

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