

Connection cable, NAMUR

V1-W-N-10M-PUR-V1-G



- Suitable for NAMUR technology
- Degree of protection IP68 / IP69
- Suitable for routing intrinsically safe circuits in accordance with DIN EN 60079-14:2014
- Specific design protects against loosening and inaccurate installation

Cordset M12 socket angled to M12 plug straight A-coded, 2-pin, PUR cable blue, NAMUR



Dimensions



Technical Data

General specifications

Connector 1	
Connection	socket
Construction type	M12
Style	angled
Locking	screw connection
Number of pins	2
Coding	A-coded
Connector 2	
Connection	plug
Construction type	M12
Style	straight
Locking	screw connection
Number of pins	2
Coding	A-coded

Electrical specifications

Operating voltage	U_B	max. 250 V AC/DC
Operating current	I_B	4 A
Resistance per unit length	R'	max. 0.057 Ω/m
Capacitance per unit length	C'	102.4 nF/km
Inductance per unit length	L'	0.49 mH/km

Release date: 2023-07-13 Date of issue: 2023-07-13 Filename: 70102295_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Technical Data

Conformity

Degree of protection	EN 60529
Plug connection	connector M12 x 1 : IEC 61076-2-101

Ambient conditions

Ambient temperature	
Plug connector	-40 ... 90 °C (-40 ... 194 °F)
Cable, fixed	-40 ... 80 °C (-40 ... 176 °F)
Cable, flexing	-20 ... 80 °C (-4 ... 176 °F)
Pollution degree	3

Mechanical specifications

Plug connector	
Tightening torque	0.6 Nm
Loosening protection	available
Tool installation	straight knurling and hexagon nut SW = 14 mm
Mating cycles	min. 100
Degree of protection	IP68 / IP69
Cable	according to IEC/EN 60228 (DIN VDE 0295) class 6
Sheath diameter	4.8 mm
Bending radius	> 15 x cable diameter, moving > 10 x cable diameter, fixed
Sheath color	blue (similar to RAL 5015)
Number of cores	2
Core cross section	0.34 mm ²
Cores color	Core 1: brown Core 2: blue
Core construction	42 x 0.1 mm Ø
Length	L 10 m
Cable code	Li FY 11Y 2 x 0.34








Material

Plug connector	
Screw connection	Zinc diecast, nickel-plated
Body	TPU, black
Seal	FKM
Contact surface	gold plated (Au)
Flammability	V-2
Cable	
Sheathing	PUR based on polyether
Core insulation	PVC
Flammability	HB

Connection



Accessories

	MH V1-SCREWDRIVER	Torque screwdriver (0.6 Nm)
	MH V1-BIT M12	plug-in cap M12
	V1/V3-LABELHOLDER	Label holder
	V1/V3-LABEL	Label plate
	MH V1-Holder	Modular universal holder for M12 connectors
	V1-CLIP	Unlocking protector for M12 connector
	V1-MARKING-RING-COLOR	Marking rings for M12 connectors, various colors

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