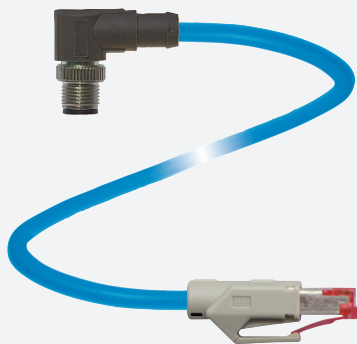




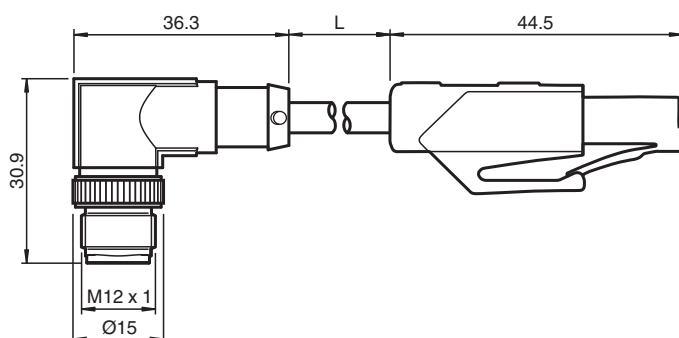
Connection cable, Ethernet V1SD-90-W-3M-PUR-ABG-V45-G

- Hard-wearing PUR cable
- Industrial Ethernet
- D coding for Ethernet
- CAT5/CAT5e cable
- Halogen-free
- Contact carrier rotated by -90°
- Screw connection suitable for tool assembly
- Immunity to vibration, with mechanical latching

Ethernet bus cable M12 plug angled D-coded to RJ45 Ethernet-coded, 4-pin, PUR cable blue, Cat5e, shielded



Dimensions



Technical Data

General specifications

Connector 1		
Connection		plug
Construction type		M12
Style		angled
Locking		screw connection
Number of pins		4
Coding		D-coded
Customization		contact carrier rotated by -90°
Connector 2		
Connection		plug
Construction type		RJ45
Style		straight
Locking		snap locking
Number of pins		8

Electrical specifications

Operating voltage	U _B	max. 48 V AC / 60 V DC
Operating current	I _B	max. 1 A

Conformity

Degree of protection	EN 60529
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Release date: 2023-07-12 Date of issue: 2023-07-13 Filename: 280625_eng.pdf

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

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 **PEPPERL+FUCHS**

Technical Data

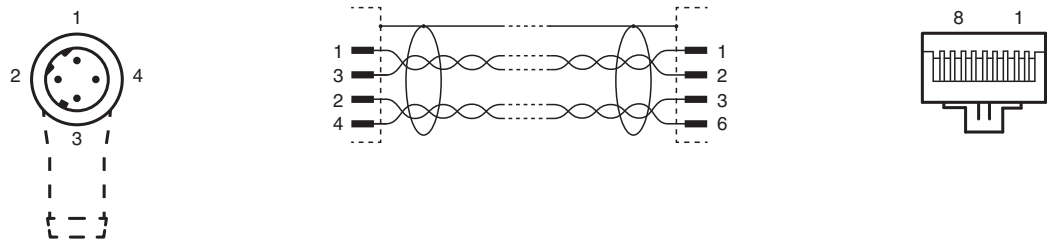
Plug connection		connector M12 x 1 : IEC 61076-2-101 connector RJ45 : IEC 60603-7
Component category		CAT5 (IEC 11801) , CAT5e (IEC 61156-6)
Flammability		IEC 60332-1-2 / UL 2556
Halogen-free		IEC 60754-1
Ambient conditions		
Ambient temperature		
Connector 1		-25 ... 90 °C (-13 ... 194 °F)
Connector 2		-25 ... 60 °C (-13 ... 140 °F)
Cable, fixed		-40 ... 80 °C (-40 ... 176 °F)
Cable, flexing		-20 ... 80 °C (-4 ... 176 °F)
Mechanical specifications		
Connector 1		
Tightening torque		0.4 Nm
Loosening protection		available
Tool installation		straight knurling
Mating cycles		min. 100
Shielding		shield connected to screw connection
Degree of protection		IP65/IP67
Connector 2		
Loosening protection		available
Mating cycles		min. 750
Shielding		shield connected to connector
Degree of protection		IP20
Cable		according to IEC/EN 60228 (DIN VDE 0295) class 5
Sheath diameter		6.4 mm
Bending radius		> 8 x cable diameter, moving > 4 x cable diameter, fixed
Sheath color		water blue (RAL 5021)
Number of cores		4
Core cross section		0.14 mm ²
Cores color		Core 1-1: white/orange Core 2-3: white/green Core 3-2: orange Core 4-6: green
Core construction		7 x 0.16 mm Ø twisted pairs
Shield		aluminum-lined polyester foil Tinned copper braiding, 70 % coverage
Length	L	3 m
Material		
PWIS free		yes
Halogen-free		yes
Connector 1		
Screw connection		Zinc diecast, nickel-plated
Body		TPU, black
Contact surface		Ni/Au
Flammability		V-2
Connector 2		
Body		PA, grey
Contact surface		Ni/Au
Flammability		V-0
Cable		
Sheathing		PUR
Core insulation		PE
Flammability		VW-1

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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