

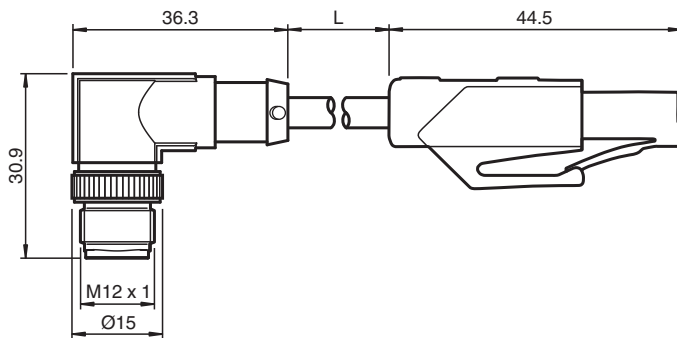
## Connection cable, Ethernet V1SD-W-100M-PUR-ABG-V45-G

- Hard-wearing PUR cable
- Industrial Ethernet
- D coding for Ethernet
- CAT5/CAT5e cable
- Free of paint wetting interfering substances
- Halogen-free
- 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

<b>Connector 1</b>			
Connection		plug	
Construction type		M12	
Style		angled	
Locking		screw connection	
Number of pins		4	
Coding		D-coded	
<b>Connector 2</b>			
Connection		plug	
Construction type		RJ45	
Style		straight	
Locking		snap locking	
Number of pins		8	
<b>Electrical specifications</b>			
Operating voltage	$U_B$	max. 48 V AC / 60 V DC	
Operating current	$I_B$	max. 1 A	
<b>Conformity</b>			
Degree of protection		EN 60529	

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

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**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
<b>Ambient conditions</b>		
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)
<b>Mechanical specifications</b>		
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		
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 <sup>2</sup>
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	100 m
<b>Material</b>		
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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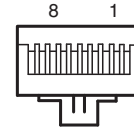
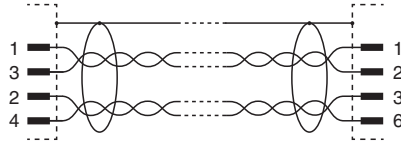
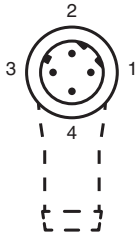
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## Connection



## Accessories

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

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