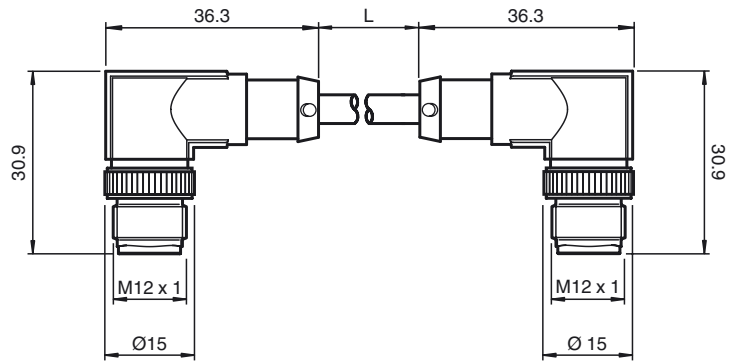




**Dimensions**



**Model Number**

**V1SD-W-20M-PUR-ABG-V1SD-W**

Cordset, M12 to M12, PUR cable, 4-pin, CAT5e

**Features**

- D coding for Ethernet
- CAT5/CAT5e cable
- Hard-wearing PUR cable
- Halogen-free
- Completely silicon free
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Shield attached to coupling nut

**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

**V1-MARKING-RING-BLUE**  
Marking ring for M12 plug

**V1-MARKING-RING-GREEN**  
Marking ring for M12 plug

**V1-MARKING-RING-ORANGE**  
Marking ring for M12 plug

**V1-MARKING-RING-RED**  
Marking ring for M12 plug

**V1-MARKING-RING-WHITE**  
Marking ring for M12 plug

**V1-MARKING-RING-YELLOW**  
Marking ring for M12 plug

**Technical data**

**General specifications**

Number of pins	4 + shield
Connection 1	Male connector
Construction type 1	right angle
Threading 1	M12
Coding 1	D-coded
Connection 2	Male connector
Construction type 2	right angle
Threading 2	M12
Coding 2	D-coded

**Electrical specifications**

Operating voltage	$U_B$	max. 48 V AC / 60 V DC
Operating current	$I_B$	max. 4 A
Volume resistance		150 mΩ/m

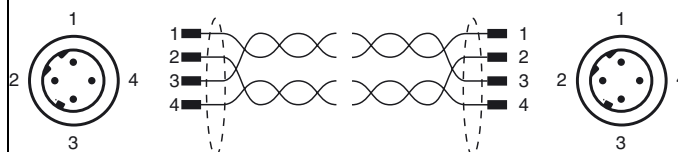
**Ambient conditions**

Ambient temperature	Body: -25 ... 90 °C (-13 ... 194 °F) cable, fixed: -40 ... 80 °C (-40 ... 176 °F) cable, flexing: -20 ... 80 °C (-4 ... 176 °F)
Pollution degree	3

**Mechanical specifications**

Degree of protection	IP67 / IP68 / IP69
Connection	2 x M12 x 1 connector, 4-pin, D-coded
Material	
Contacts	CuZn
Contact surface	Ni/Au
Body	TPU, black / PA
Cable	PUR
Sleeve connector	Zinc die-casting, nickel-plated
Core insulation	PE
Cable	2 pairs with 2 wires each with 2 fillers for the core
Sheath diameter	6.7 mm
Bending radius	> 8 x cable diameter, moving > 4 x cable diameter, fixed
Color	water blue (RAL 5021)
Number of cores	4
Core cross-section	0.14 mm <sup>2</sup>
Cores color	Core 1: white/orange Core 2: orange Core 3: white/green Core 4: green
Conductor construction	7 x 0.15 mm Ø
Shield	aluminum-lined polyester foil Tinned copper braiding, 70 % coverage
Length	L 20 m

**Electrical connection**



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

**Compliance with standards and directives**

Standard conformity	
Degree of protection	EN 60529
Standards	CAT5 (IEC 11801:2002) , CAT5e (TIA 568B:2001)
Flammability	IEC 60332-1-2
Halogen-free	IEC 60754-1
Chemical resistance	DIN EN 60811-2-1
Specification	connector M12 x 1 : IEC 61076-2-101

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