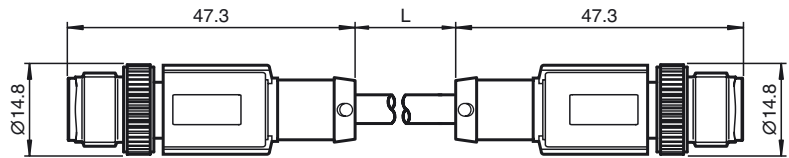


Dimensions



Model Number

V1SD-G-3M-PUR-ABG-V1SD-G

Ethernet bus cable, 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

Technical data

General specifications

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

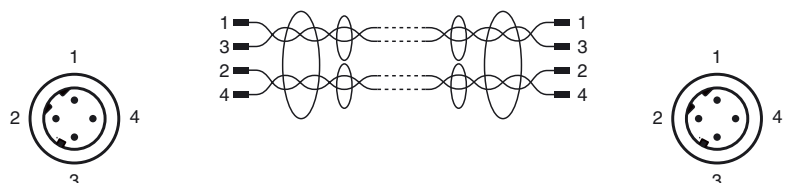
Ambient temperature	Body: -25 ... 90 °C (-13 ... 194 °F) cable, fixed: -40 ... 80 °C (-40 ... 176 °F) cable, flexing: -20 ... 80 °C (-4 ... 176 °F)
Pollution degree	3

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 ²
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

Compliance with standards and directives

Electrical connection



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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".