



Model Number

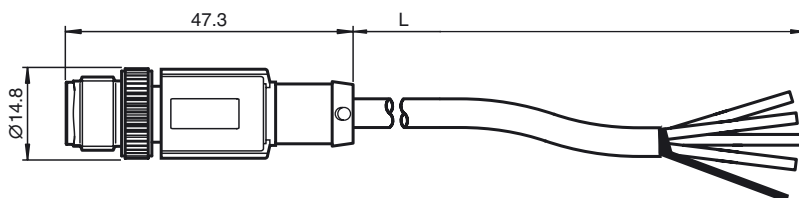
V1SD-G-2M-PUR-ABG

Ethernet bus cable, 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

Dimensions



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	cable end

Electrical specifications

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

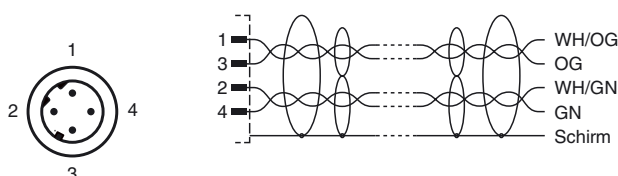
Mechanical specifications

Degree of protection	IP67 / IP68 / IP69
Connection	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 \varnothing
Shield	aluminum-lined polyester foil Tinned copper braiding, 70 % coverage
Length	L 2 m

Compliance with standards and directives

Standard conformity	
Degree of protection	EN 60529

Electrical connection



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

Accessories

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-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