

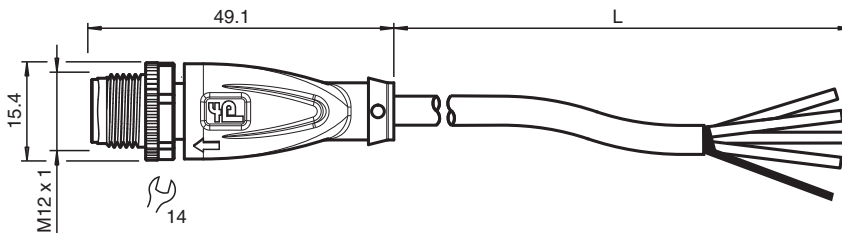
Cable connector, Ethernet V1SD-G-GN80M-PUR-E1S

- Hard-wearing PUR cable
- Suitable for drag chains and abrasion resistant
- D coding for Ethernet
- Conforms to PROFINET
- CAT5/CAT5e cable
- Degree of protection IP68 / IP69
- Free of paint wetting interfering substances
- UL listed for USA and Canada
- Halogen-free
- Specific design protects against loosening and inaccurate installation

Ethernet bus cable male cordset single-ended M12 straight D-coded 4-pin, PUR cable green, Cat5e, shielded, drag chain suitable, UL approved



Dimensions



Technical Data

General specifications

Connector 1		
Connection		plug
Construction type		M12
Style		straight
Locking		screw connection
Number of pins		4
Coding		D-coded
Connector 2		
Connection		cable end

Electrical specifications

Operating voltage	U_B	max. 48 V AC / 60 V DC
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Conformity

Degree of protection		EN 60529
Plug connection		connector M12 x 1 : IEC 61076-2-101
Component category		CAT5 (IEC 11801) , CAT5e (IEC 61156-6)
Flammability		IEC 60332-1-2 / UL 2556

Approvals and certificates

UL approval		AWM STYLE 20549 80 °C 300V AWM I A/B 80 °C 300V FT2 (cable)
UL File Number		E231213

Ambient conditions

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

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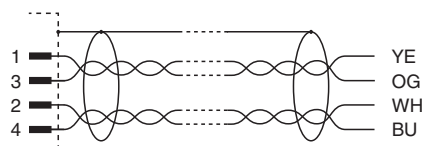
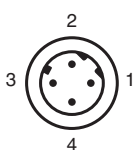
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Technical Data

Plug connector		-40 ... 90 °C (-40 ... 194 °F)
Cable, fixed		-30 ... 70 °C (-22 ... 158 °F)
Cable, flexing		-20 ... 70 °C (-4 ... 158 °F)
Mechanical specifications		
Plug connector		
Tightening torque		0.6 Nm
Loosening protection		available
Tool installation		straight knurling and hexagon nut SW = 14 mm
Mating cycles		min. 100
Shielding		shield connected to screw connection
Degree of protection		IP68 / IP69
Cable		according to IEC/EN 60228 (DIN VDE 0295) class 5
Sheath diameter		6 mm
Bending radius		> 10 x cable diameter, moving > 8 x cable diameter, fixed
Sheath stripping force		max. 60 N / 100 mm
Sheath color		green (similar to RAL 6018)
Number of cores		4
Core cross section		0.34 mm ² / 22 AWG
Cores color		Core 1: yellow Core 2: white Core 3: orange Core 4: blue
Core construction		7 x 0.254 mm Ø twisted quad
Shield		aluminum-lined polyester foil Tinned copper braiding
Length	L	80 m
Drag chain suitability		
Drag chain cycles		max. 1000000
Motion velocity		max. 3 m/s
Traverse distance		max. 5 m
Acceleration		max. 2 m/s ²
Material		
PWIS free		yes
Halogen-free		yes
Plug connector		
Screw connection		Zinc diecast, nickel-plated
Body		TPU, black
Contact surface		Au
Flammability		V-2
Cable		
Sheathing		PUR based on polyether
Core insulation		PP
Flammability		FT2

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