

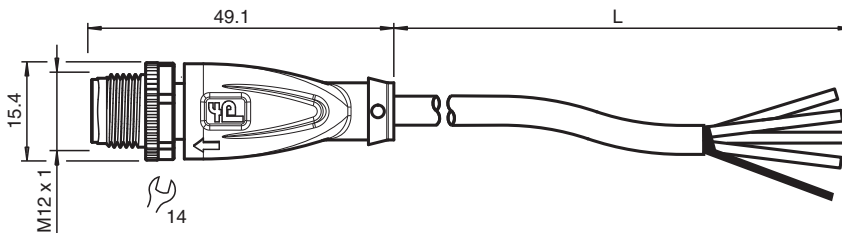
## Cable connector, Ethernet V1SD-G-GN10M-PUR-E1S

- 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

<b>Connector 1</b>		
Connection		plug
Construction type		M12
Style		straight
Locking		screw connection
Number of pins		4
Coding		D-coded
<b>Connector 2</b>		
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".

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

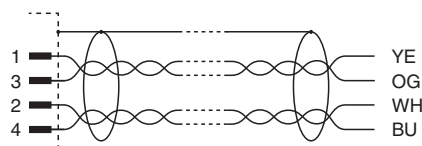
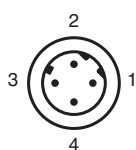
Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

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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)
<b>Mechanical specifications</b>		
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 <sup>2</sup> / 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	10 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 <sup>2</sup>
<b>Material</b>		
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

	<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