

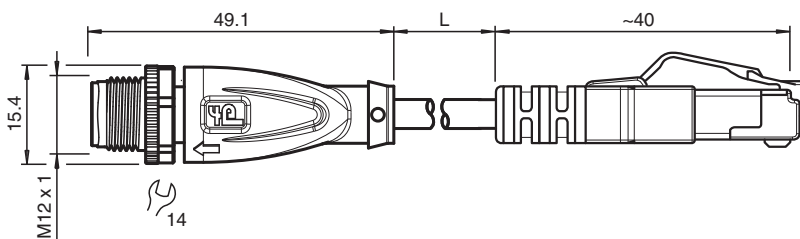
## Connection cable, Ethernet V19S-G-GN1M-PUR-E2S-V45-G

- Hard-wearing PUR cable
- Industrial Ethernet
- Halogen-free
- Specific design protects against loosening and inaccurate installation
- Immunity to vibration, with mechanical latching

Ethernet bus cable M12 plug straight A-coded to RJ45 plug straight Ethernet-coded, 8-pin, PUR cable green, Cat5, pairs shielded and overall shield



### Dimensions



### Technical Data

#### General specifications

Connector 1	
Connection	plug
Construction type	M12
Style	straight
Locking	screw connection
Number of pins	8
Coding	A-coded
Connector 2	
Connection	plug
Construction type	RJ45
Style	straight
Locking	snap locking
Number of pins	8
Coding	EtherNet/IP

#### Electrical specifications

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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

Operating voltage	U <sub>B</sub>	max. 30 V AC/DC
Operating current	I <sub>B</sub>	max. 1 A
<b>Conformity</b>		
Degree of protection		EN 60529
Fieldbus standard		IEEE 802.3an 10GBASE-T
Plug connection		connector M12 x 1 : IEC 61076-2-101 connector RJ45 : IEC 60603-7
Component category		CAT5 (IEC 11801) , CAT5e (IEC 61156-6)
Flammability		IEC 60332-1-2 , CMX
Halogen-free		IEC 60754-2
<b>Ambient conditions</b>		
Ambient temperature		
Connector 1		-40 ... 90 °C (-40 ... 194 °F)
Connector 2		-25 ... 60 °C (-13 ... 140 °F)
Cable, fixed		-40 ... 85 °C (-40 ... 185 °F)
Cable, flexing		-10 ... 60 °C (14 ... 140 °F)
Pollution degree		3
<b>Mechanical specifications</b>		
Connector 1		
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
Connector 2		
Loosening protection		available
Mating cycles		min. 100
Shielding		shield connected to connector
Degree of protection		IP20
Cable		
Sheath diameter		6.2 mm
Bending radius		max. 50 mm active max. 25 mm fixed
Sheath color		green (similar to RAL 6018)
Number of cores		8
Core cross section		0.14 mm <sup>2</sup> / 26 AWG
Cores color		Core 1-5: white/blue Core 2-7: white/brown Core 3-8: brown Core 4-2: orange Core 5-3: white/green Core 6-1: white/orange Core 7-4: blue Core 8-6: green
Core construction		7 x 0.404 mm Ø twisted pairs , twisted pair shield
Shield		tinned copper braiding, 60 % coverage twisted pair shield : aluminum-lined polyester foil
Length	L	1 m
Cable code		Li 02YSC 11Y 4 x 2 x 0,14 (AWG26/7)
<b>Material</b>		
Halogen-free		yes
Connector 1		
Screw connection		Zinc diecast, nickel-plated
Body		TPU, black
Contact surface		gold plated (Au)
Flammability		V-2

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## Technical Data

Connector 2	
Body	PA, green
Flammability	V-0
Cable	
Sheathing	PUR
Core insulation	PE
UV resistance	yes
Oil resistance	yes
Flammability	CMX

## Connection Assignment

