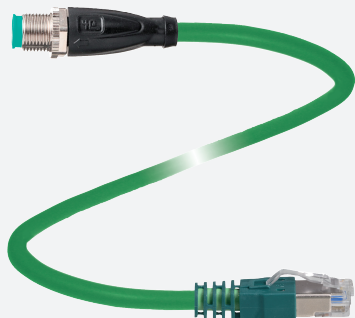




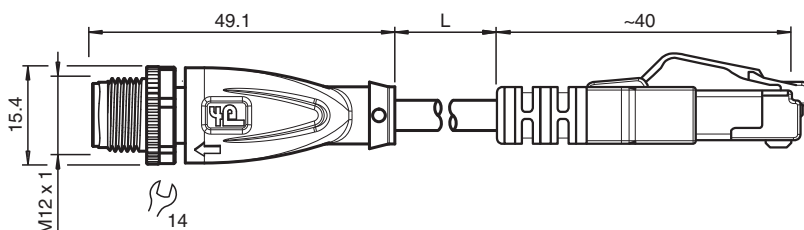
Connection cable, Ethernet V19S-G-GN1M-PUR-E2S-V45-G

- 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

Operating voltage	U_B	max. 30 V AC/DC
Operating current	I_B	max. 1 A

Conformity

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)

Release date: 2025-02-26 Date of issue: 2025-02-26 Filename: 70166921_eng.pdf

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

PEPPERL+FUCHS

Technical Data

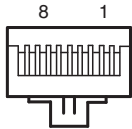
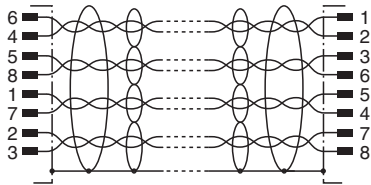
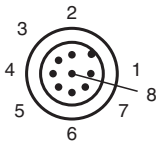
Flammability		IEC 60332-1-2 , CMX
Halogen-free		IEC 60754-2
Ambient conditions		
Ambient temperature		
Connector 1		-40 ... 90 °C (-40 ... 194 °F)
Connector 2		-25 ... 60 °C (-13 ... 140 °F)
Cable, fixed installation		-40 ... 85 °C (-40 ... 185 °F)
Cable, flexing		-10 ... 60 °C (14 ... 140 °F)
Pollution degree		3
Mechanical specifications		
Connector 1		
Tightening torque		0.6 Nm
Loosening protection		integrated
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		integrated
Mating cycles		min. 100
Shielding		shield connected to connector
Degree of protection		IP20
Cable		
		according to IEC/EN 60228 (DIN VDE 0295) class 5
Sheath diameter		6.2 mm
Bending radius		max. 50 mm movable installation max. 25 mm fixed installation
Sheath color		green (similar to RAL 6018)
Number of cores		8
Core cross section		0.14 mm ² / 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)
Mass		67.5 g
Material		
Halogen-free		yes
Connector 1		
Screw connection		Zinc diecast, nickel-plated
Body		TPU, black
Contact surface		gold plated (Au)
Flammability		V-2
Connector 2		
Body		PA, green
Flammability		V-0
Cable		
Sheathing		PUR
Cores		bare copper (Cu)

Release date: 2025-02-26 Date of issue: 2025-02-26 Filename: 70166921_eng.pdf

Technical Data

Core insulation	PE
UV resistance	yes
Oil resistance	yes
Flammability	CMX

Connection Assignment



Release date: 2025-02-26 Date of issue: 2025-02-26 Filename: 70166921_eng.pdf