

## Connection cable, Ethernet

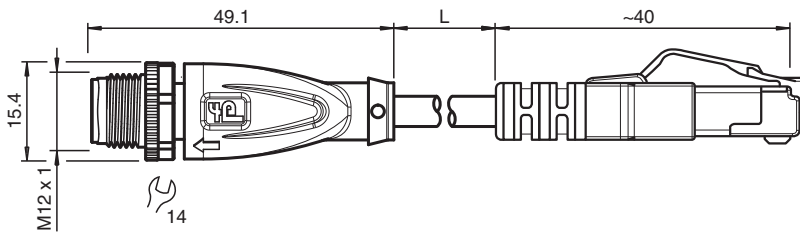
### V19S-G-10M-PUR-E2S-V45-G-YVOS

- Hard-wearing PUR cable
- Suitable for drag chains and abrasion resistant
- CAT5/CAT5e cable
- Degree of protection IP68 / IP69
- Free of paint wetting interfering substances
- Halogen-free
- Specific design protects against loosening and inaccurate installation

Ethernet bus cable M12 plug straight A-coded 8-pin to RJ45 plug straight Ethernet-coded, PUR cable 4-core twisted quad green, Cat5e, shielded, drag chain suitable



## Dimensions



## Technical Data

### General specifications

<b>Connector 1</b>			
Connection		plug	
Construction type		M12	
Style		straight	
Locking		screw connection	
Number of pins		8	
Coding		A-coded	
<b>Connector 2</b>			
Connection		plug	
Construction type		RJ45	
Style		straight	
Locking		snap locking	
Number of pins		8	
Coding		EtherNet/IP	
<b>Electrical specifications</b>			
Operating voltage	U <sub>B</sub>	max. 30 V AC/DC	
<b>Conformity</b>			
Degree of protection		EN 60529	
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 / UL 1581 / ISO 6722-1 5.22 (UN ECE-R 118.01)	
Halogen-free		IEC 60754-1	

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

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## Technical Data

Chemical resistance		DIN EN 60811-2-1
Microbial resistance		DIN EN 50525-2-21 / DIN VDE 0282-10
Oil resistance		DIN EN 60811-2-1
<b>Ambient conditions</b>		
Ambient temperature		
Connector 1		-40 ... 90 °C (-40 ... 194 °F)
Cable, fixed		-40 ... 80 °C (-40 ... 176 °F)
Cable, flexing		-30 ... 70 °C (-22 ... 158 °F)
<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		4.9 mm
Bending radius		> 12 x cable diameter, moving > 6 x cable diameter, fixed
Sheath stripping force		max. 50 N / 100 mm
Sheath color		green (similar to RAL 6018)
Number of cores		4
Core cross section		0.15 mm <sup>2</sup> / 26 AWG
Cores color		Core 4-2: orange Core 5-3: white/green Core 6-1: white/orange Core 8-6: green
Core construction		19 x 0.1 mm Ø twisted quad
Shield		aluminum-lined polyester foil Tinned copper braiding, 85 % coverage
Length	L	10 m
Cable code		Li 9Y 11YM 4 x 0,15
Drag chain suitability		
Drag chain cycles		max. 1000000
Motion velocity		max. 3 m/s
Traverse distance		max. 4.5 m
Acceleration		max. 2 m/s <sup>2</sup>
<b>Material</b>		
PWIS free		yes
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

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## Technical Data

Cable	
Sheathing	PUR based on polyether
Core insulation	PP
Flammability	FT1 complies with UN ECE-R 118.01

## Connection

