

# Connection cable, Ethernet

## V31S-GM-GN20M-PUR-E2S-V31-GM

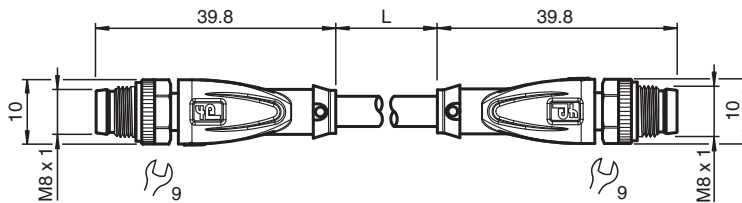


- Hard-wearing PUR cable
- Industrial Ethernet
- CAT5/CAT5e cable
- Degree of protection IP68
- Free of paint wetting interfering substances
- UL listed for USA and Canada
- Halogen-free
- Specific design protects against loosening and inaccurate installation

Ethernet bus cable M8 plug straight to M8 plug straight A-coded, 4-pin, PUR cable green, Cat5e, shielded, UL approved



### Dimensions



### Technical Data

#### General specifications

<b>Connector 1</b>			
Connection		plug	
Construction type		M8	
Style		straight	
Locking		screw connection	
Number of pins		4	
Coding		A-coded	
<b>Connector 2</b>			
Connection		plug	
Construction type		M8	
Style		straight	
Locking		screw connection	
Number of pins		4	
Coding		A-coded	
<b>Electrical specifications</b>			
Operating voltage	$U_B$	max. 30 V AC/DC	
Operating current	$I_B$	max. 3 A	
<b>Conformity</b>			
Degree of protection		EN 60529	
Plug connection		connector M8 x 1 : IEC 61076-2-104	
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)	

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

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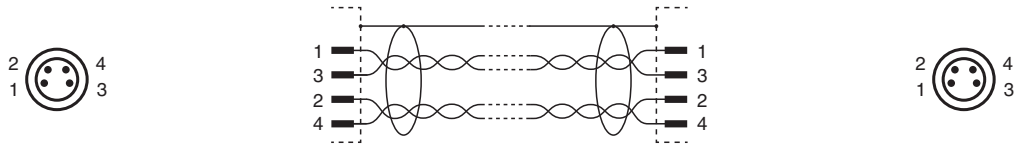
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## Technical Data

Halogen-free		IEC 60754-1
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>Approvals and certificates</b>		
UL approval		AWM STYLE 21161 AWM I/II A/B 80°C 300V FT1 (cable)
UL File Number		E231213
<b>Ambient conditions</b>		
Ambient temperature		
Plug connector		-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>		
Plug connector		
Tightening torque		0.4 Nm
Loosening protection		available
Tool installation		straight knurling and hexagon nut SW = 9 mm
Mating cycles		min. 100
Shielding		shield connected to screw connection
Degree of protection		IP68
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 1: white/orange Core 2: white/green Core 3: orange Core 4: green
Core construction		19 x 0.1 mm Ø twisted quad
Shield		aluminum-lined polyester foil Tinned copper braiding, 85 % coverage
Length	L	20 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. 3 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		gold plated (Au)
Flammability		V-2
Cable		
Sheathing		PUR based on polyether
Core insulation		PP
Flammability		FT1 complies with UN ECE-R 118.01

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