

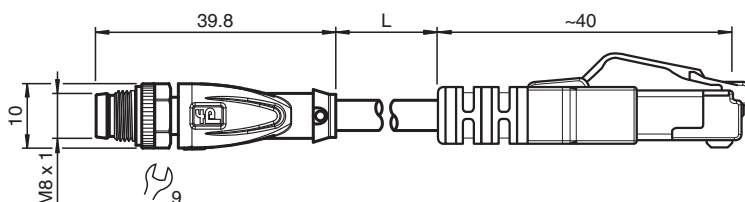
## Connection cable, Ethernet V31S-GM-GN2M-PUR-E2S-V45

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

Ethernet bus cable M8 plug straight A-coded to RJ45 Ethernet-coded, 4-pin, PUR cable green, Cat5e, shielded, drag chain suitable



### Dimensions



### Technical Data

#### General specifications

Connector 1	
Connection	plug
Construction type	M8
Style	straight
Locking	screw connection
Number of pins	4
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 <sub>B</sub>	max. 30 V AC/DC
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#### Conformity

Degree of protection	EN 60529
Plug connection	connector M8 x 1 : IEC 61076-2-104 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		0.4 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
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 1-1: white/orange Core 4-2: orange Core 2-3: white/green Core 3-6: green
Core construction		19 x 0.1 mm Ø twisted quad
Shield		aluminum-lined polyester foil Tinned copper braiding, 85 % coverage
Length	L	2 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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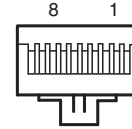
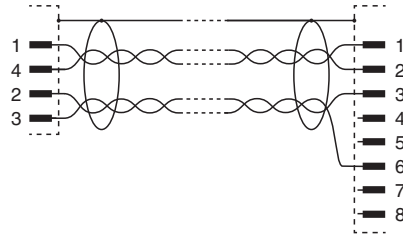
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## Technical Data

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

## Connection



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