

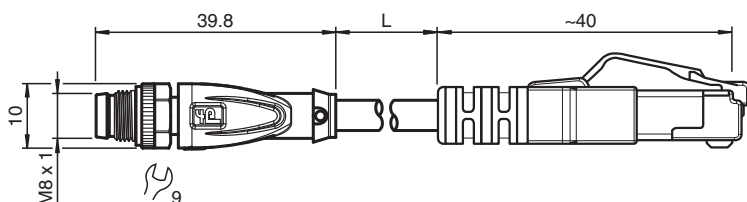
## Connection cable, Ethernet V31S-GM-GN5M-PUR-E2S-V45

- Hard-wearing PUR cable
- Suitable for drag chains and abrasion resistant
- CAT5/CAT5e cable
- Degree of protection IP68
- Free of paint wetting interfering substances
- UV resistant
- 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	$U_B$	max. 30 V AC/DC
Operating current	$I_B$	max. 1 A

#### 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)

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## Technical Data

Halogen-free		IEC 60754-1
Chemical resistance		DIN EN 60811-2-1
UV resistance		UL 1581 section 1200
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 installation		-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		integrated
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		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		4.9 mm
Bending radius		> 12 x cable diameter, movable installation > 6 x cable diameter, fixed installation
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	5 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>
Mass		173.3 g
<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

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## Technical Data

Connector 2	
Body	PA, green
Flammability	V-0
Cable	
Sheathing	PUR based on polyether
Cores	bare copper (Cu)
Core insulation	PP
UV resistance	yes
Oil resistance	yes
Microbial resistance	yes
Flammability	FT1 complies with UN ECE-R 118.01

## Connection

