



## Connection cable, Ethernet V19SX-G-GN20M-PUR-E2S-V45-G

- Hard-wearing PUR cable
- Industrial Ethernet
- UL listed for USA and Canada
- Halogen-free
- Screw connection suitable for tool assembly
- Immunity to vibration, with mechanical latching

Ethernet bus cable M12 plug straight X-coded to RJ45 plug straight Ethernet-coded, 8-pin, PUR cable green, Cat6A, 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	X-coded
Connector 2	
Connection	plug
Construction type	RJ45
Style	straight
Locking	snap locking
Number of pins	8
Coding	EtherNet/IP
UL File Number	E520112

#### Electrical specifications

Operating voltage	$U_B$	max. 50 V AC / 60 V DC
Operating current	$I_B$	max. 0.5 A

#### Conformity

Degree of protection	EN 60529
Fieldbus standard	IEEE 802.3an 10GBASE-T
Plug connection	connector M12 x 1 : IEC 61076-2-109 connector RJ45 : IEC 60603-7

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

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## Technical Data

Component category	CAT6A (IEC 11801, EN 50173)	
Flammability	IEC 60332-1-2 , UL 1581	
<b>Ambient conditions</b>		
Ambient temperature		
Cable, fixed	-40 ... 85 °C (-40 ... 185 °F)	
Cable, flexing	-10 ... 60 °C (14 ... 140 °F)	
Pollution degree	3	
<b>Mechanical specifications</b>		
Connector 1		
Tightening torque	0.6 Nm	
Loosening protection	available	
Tool installation	straight knurling , hexagon nut SW = 13 mm	
Mating cycles	min. 100	
Shielding	shield connected to screw connection	
Degree of protection	IP67	
Connector 2		
Loosening protection	available	
Mating cycles	min. 750	
Shielding	shield connected to connector	
Degree of protection	IP20	
Cable		
Sheath diameter	6.2 mm	
Bending radius	max. 50 mm active max. 25 mm fixed	
Sheath color	green (similar to RAL 6018)	
Number of cores	8	
Core cross section	0.14 mm <sup>2</sup>	
Cores color	Core 1: white/orange Core 2: orange Core 3: white/green Core 4: green Core 5: white/brown Core 6: brown Core 7: white/blue Core 8: blue	
Core construction	7 x 0.404 mm Ø twisted pairs , twisted pair shield	
Shield	tinned copper braiding twisted pair shield : aluminum-lined polyester foil	
Length	L	20 m
Cable code	Li 02YSC 11Y 4 x 2 x 0,14 (AWG26/7)	
<b>Material</b>		
Halogen-free	yes	
Connector 1		
Screw connection	Zinc diecast, nickel-plated	
Body	TPU, black	
Contact surface	Ni/Au	
Flammability	V-2	
Connector 2		
Body	PC	
Contact surface	Ni/Au	
Flammability	V-0	
Cable		
Sheathing	PUR	
Core insulation	PE	
UV resistance	yes	
Oil resistance	yes	

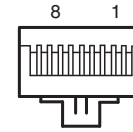
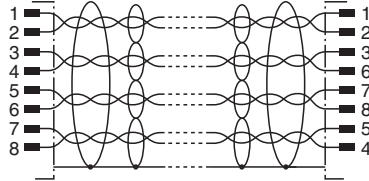
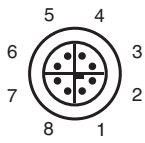
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## Technical Data

Flammability	FT1
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## Connection



## Accessories

	<b>MH V1-SCREWDRIVER</b>	Torque screwdriver (0.6 Nm)
	<b>MH V1-BIT M12</b>	plug-in cap M12
	<b>V1/V3-LABELHOLDER</b>	Label holder
	<b>V1/V3-LABEL</b>	Label plate
	<b>MH V1-Holder</b>	Modular universal holder for M12 connectors
	<b>V1-CLIP</b>	Unlocking protector for M12 connector
	<b>V1-MARKING-RING-COLOR</b>	Marking rings for M12 connectors, various colors

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