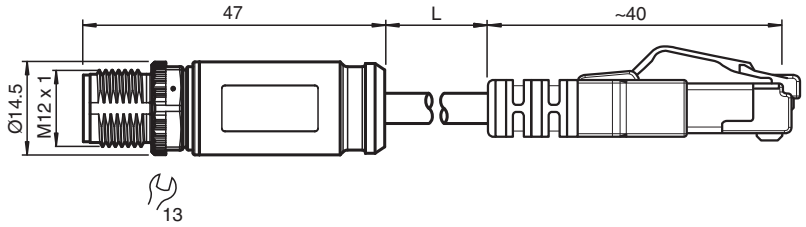
Connection cable, Ethernet

V19SX-G-GN25M-PUR-E2S-V45-G

- Hard-wearing PUR cable
- Industrial Ethernet
- UL listed for USA and Canada
- Degree of protection IP20
- 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
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
Component category		CAT6A (IEC 11801, EN 50173)

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Technical Data

Flammability		IEC 60332-1-2 , UL 1581
Approvals and certificates		
UL File Number		E520112
Ambient conditions		
Ambient temperature		
Cable, fixed installation		-40 ... 85 °C (-40 ... 185 °F)
Cable, flexing		-10 ... 60 °C (14 ... 140 °F)
Pollution degree		3
Mechanical specifications		
Connector 1		
Tightening torque		0.6 Nm
Loosening protection		integrated
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		integrated
Mating cycles		min. 750
Shielding		shield connected to connector
Degree of protection		IP20
Cable		according to IEC/EN 60228 (DIN VDE 0295) class 5
Sheath diameter		6.2 mm
Bending radius		max. 50 mm movable installation max. 25 mm fixed installation
Sheath color		green (similar to RAL 6018)
Number of cores		8
Core cross section		0.14 mm^2
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	25 m
Cable code		Li 02YSC 11Y 4 x 2 x 0,14 (AWG26/7)
Mass		1032.5 g
Material		
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
Cores		bare copper (Cu)

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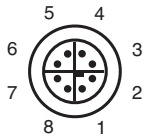
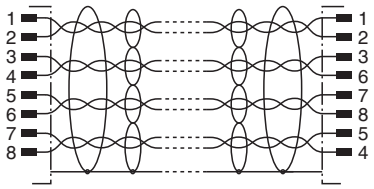
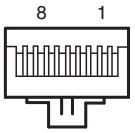
Technical Data

Core insulation	PE
UV resistance	yes
Oil resistance	yes
Flammability	FT1
General information	
Cable marking sleeve	2x PUR transparent , fixed to cable

Connection Assignment







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