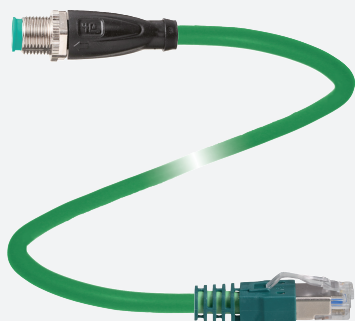




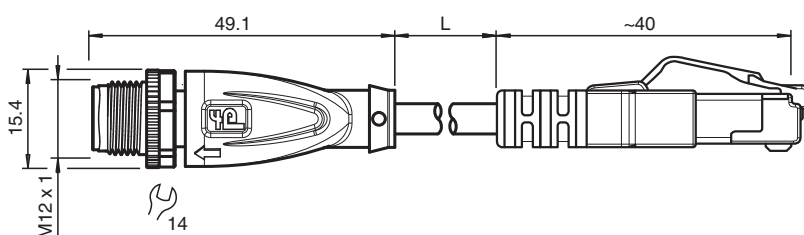
Connection cable, Ethernet V1SD-G-GN5M-PUR-E1S-V45-G

- Hard-wearing PUR cable
- Suitable for drag chains and abrasion resistant
- D coding for Ethernet
- Conforms to PROFINET
- CAT5/CAT5e cable
- Degree of protection IP68 / IP69
- Free of paint wetting interfering substances
- Halogen-free
- Specific design protects against loosening and inaccurate installation

Ethernet bus cable M12 plug straight D-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		M12	
Style		straight	
Locking		screw connection	
Number of pins		4	
Coding		D-coded	
Connector 2			
Connection		plug	
Construction type		RJ45	
Style		straight	
Locking		snap locking	
Number of pins		8	
Coding		EtherNet/IP / PROFINET	

Electrical specifications

Operating voltage	U _B	max. 48 V AC / 60 V DC
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Conformity

Degree of protection		EN 60529
Plug connection		connector M12 x 1 : IEC 61076-2-101 connector RJ45 : IEC 60603-7
Component category		CAT5 (IEC 11801) , CAT5e (IEC 61156-6)
Flammability		IEC 60332-1-2 / UL 2556 / 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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PEPPERL+FUCHS

Technical Data

Ambient conditions

Ambient temperature

Connector 1	-40 ... 90 °C (-40 ... 194 °F)
Cable, fixed	-30 ... 70 °C (-22 ... 158 °F)
Cable, flexing	-20 ... 70 °C (-4 ... 158 °F)

Mechanical specifications

Connector 1

Tightening torque	0.6 Nm
Loosening protection	available
Tool installation	straight knurling and hexagon nut SW = 14 mm
Mating cycles	min. 100
Shielding	shield connected to screw connection
Degree of protection	IP68 / IP69

Connector 2

Loosening protection	available
Mating cycles	min. 100
Shielding	shield connected to connector
Degree of protection	IP20

Cable

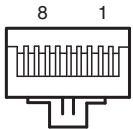
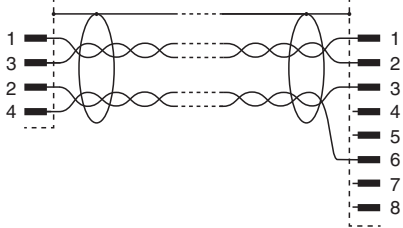
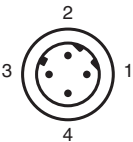
	according to IEC/EN 60228 (DIN VDE 0295) class 5
Sheath diameter	6 mm
Bending radius	> 10 x cable diameter, moving > 8 x cable diameter, fixed
Sheath stripping force	max. 60 N / 100 mm
Sheath color	green (similar to RAL 6018)
Number of cores	4
Core cross section	0.34 mm ² / 22 AWG
Cores color	Core 1-1: yellow Core 2-3: white Core 3-2: orange Core 4-6: blue
Core construction	7 x 0.254 mm Ø twisted quad
Shield	aluminum-lined polyester foil Tinned copper braiding
Length	L 5 m
Drag chain suitability	
Drag chain cycles	max. 1000000
Motion velocity	max. 3 m/s
Traverse distance	max. 5 m
Acceleration	max. 2 m/s ²

Material

PWIS free	yes
Halogen-free	yes
Connector 1	
Screw connection	Zinc diecast, nickel-plated
Body	TPU, black
Contact surface	Au
Flammability	V-2
Connector 2	
Body	PA, green
Flammability	V-0
Cable	
Sheathing	PUR based on polyether
Core insulation	PP
Flammability	FT2 complies with UN ECE-R 118.01

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Connection



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