

Connection cable, Ethernet

V1D-G-GN0,3M-PUR-E1S-V1D-G-Y70

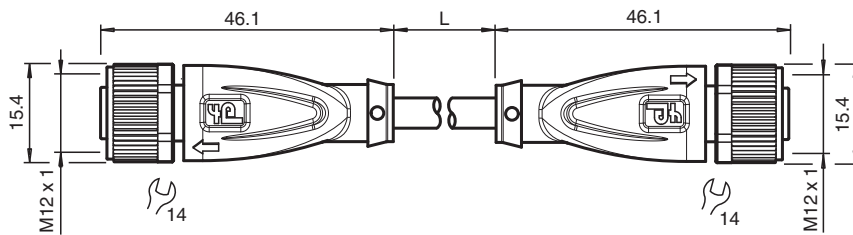


- Hard-wearing PUR cable
- Suitable for drag chains and abrasion resistant
- D coding for Ethernet
- Conforms to PROFINET
- CAT5/CAT5e cable
- Degree of protection IP68 / IP69
- Free of paint wetting interfering substances
- UL listed for USA and Canada
- Halogen-free
- Specific design protects against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

Ethernet bus cable M12 socket straight to M12 socket straight D-coded, 4-pin, PUR cable green, Cat5e, shielded, drag chain suitable, UL approved



Dimensions



Technical Data

General specifications

Connector 1		
Connection		socket
Construction type		M12
Style		straight
Locking		screw connection
Number of pins		4
Coding		D-coded
Connector 2		
Connection		socket
Construction type		M12
Style		straight
Locking		screw connection
Number of pins		4
Coding		D-coded

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
Component category		CAT5 (IEC 11801) , CAT5e (IEC 61156-6)

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

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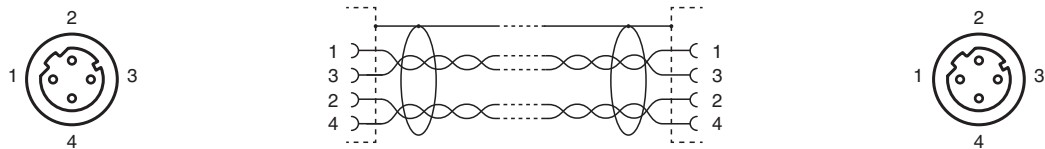
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Technical Data

Flammability		IEC 60332-1-2 / UL 2556	
Approvals and certificates			
UL approval		AWM STYLE 20549 80 °C 300V AWM I A/B 80 °C 300V FT2 (cable)	
UL File Number			E231213
Ambient conditions			
Ambient temperature			
Plug connector		-40 ... 90 °C (-40 ... 194 °F)	
Cable, fixed			-30 ... 70 °C (-22 ... 158 °F)
Cable, flexing		-20 ... 70 °C (-4 ... 158 °F)	
Mechanical specifications			
Plug connector			
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
Connector 1			
Loosening protection			
Degree of protection		IP68 / IP69	
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 mm² / 22 AWG
Cores color		Core 1: yellow Core 2: white Core 3: orange Core 4: blue	
Core construction			7 x 0.254 mm Ø twisted quad
Shield		aluminum-lined polyester foil Tinned copper braiding	
Length		L	max. 0.3 m
Drag chain suitability			
Drag chain cycles			max. 1000000
Motion velocity		max. 3 m/s	
Traverse distance			max. 5 m
Acceleration		max. 2 m/s²	
Material			
PWIS free		yes	
Halogen-free			yes
Plug connector			
Screw connection			Zinc diecast, nickel-plated
Body		TPU, black	
Seal			FKM
Contact surface		Au	
Flammability			V-2
Cable			
Sheathing			PUR based on polyether
Core insulation		PP	
Flammability			FT2

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Connection



Accessories

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