

Connection cable, Ethernet

V1D-G-GN1M-PUR-E2S-V1D+90-W

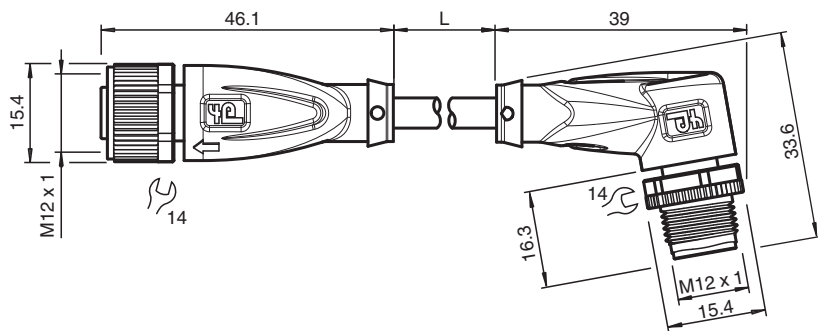


- Hard-wearing PUR cable
- Industrial Ethernet
- D coding for Ethernet
- CAT5/CAT5e cable
- Degree of protection IP68 / IP69
- Free of paint wetting interfering substances
- UL listed for USA and Canada
- Halogen-free
- Specific design protects against loosening and inaccurate installation

Ethernet bus cable M12 socket straight to M12 plug angled D-coded, 4-pin, PUR cable green, Cat5e, shielded, UL approved



Dimensions



Technical Data

General specifications

Customization	Coding rotated by 90°	
Connector 1		
Connection		socket
Construction type		M12
Style		straight
Locking		screw connection
Number of pins		4
Coding		D-coded
Connector 2		
Connection		plug
Construction type		M12
Style		angled
Locking		screw connection
Number of pins		4
Coding		D-coded
Customization		Coding rotated by 90°

Electrical specifications

Operating voltage	U _B	max. 48 V AC / 60 V DC
Rated current	I _r	2 A

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

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Technical Data

Conformity

Degree of protection	EN 60529
Fieldbus standard	Ethernet 100 Mbit/s
Plug connection	connector M12 x 1 : IEC 61076-2-101
Component category	CAT5 (IEC 11801) , CAT5e (IEC 61156-6)
Flammability	IEC 60332-1-2 / UL 1581 FT1
Halogen-free	IEC 60754-1
Chemical resistance	DIN EN 60811-2-1
Microbial resistance	DIN EN 50525-2-21 / DIN VDE 0282-10
Oil resistance	DIN EN 60811-2-1

Approvals and certificates

UL approval	AWM STYLE 21161 AWM I/II A/B 80°C 300V FT1 (cable)
UL File Number	E231213

Ambient conditions

Ambient temperature	
Plug connector	-40 ... 90 °C (-40 ... 194 °F)
Cable, fixed	-40 ... 80 °C (-40 ... 176 °F)
Cable, flexing	-30 ... 70 °C (-22 ... 158 °F)
Pollution degree	3

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
Degree of protection	IP68 / IP69
Cable	according to IEC/EN 60228 (DIN VDE 0295) class 5
Sheath diameter	4.8 mm
Bending radius	> 12 x cable diameter, moving > 6 x cable diameter, fixed
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 ² / 26 AWG
Cores color	Core 1: white/orange Core 2: white/green Core 3: orange Core 4: green
Core construction	19 x 0.1 mm Ø twisted quad
Shield	aluminum-lined polyester foil Tinned copper braiding, 85 % coverage
Length	L 1 m
Cable code	Li 9Y 11YM 4 x 0,15
Drag chain suitability	
Motion velocity	max. 3 m/s
Acceleration	max. 3 m/s ²

Material

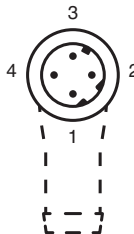
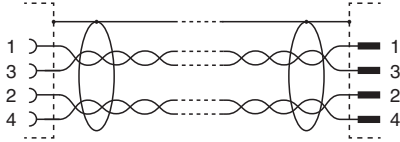
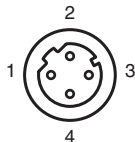
PWIS free	yes
Halogen-free	yes
Plug connector	
Screw connection	Zinc diecast, nickel-plated
Body	TPU, black
Contact surface	Au

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Technical Data

Flammability	V-2
Cable	
Sheathing	PUR based on polyether
Core insulation	PP
Flammability	FT1

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

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