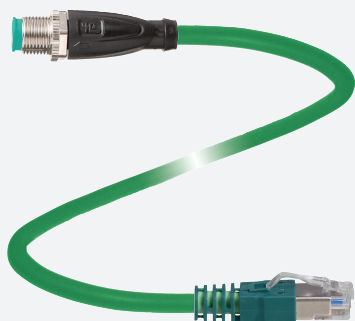




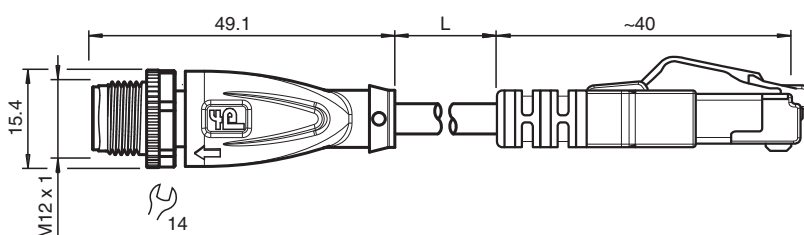
Connection cable, Ethernet V1SD-G-GN3M-PUR-E1S-V45-G

- 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
-------------------	----------------	------------------------

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

Release date: 2023-07-07 Date of issue: 2023-07-07 Filename: 70137382_eng.pdf

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

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

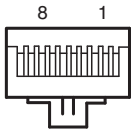
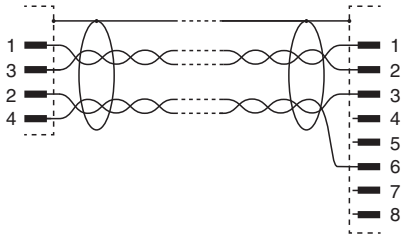
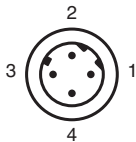
Cable		according to IEC/EN 60228 (DIN VDE 0295) class 5
Sheath diameter		6 mm
Bending radius		> 10 x cable diameter, moving > 8 x cable diameter, fixed
Sheath stripping force		max. 60 N / 100 mm
Sheath color		green (similar to RAL 6018)
Number of cores		4
Core cross section		0.34 mm ² / 22 AWG
Cores 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	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/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

Release date: 2023-07-07 Date of issue: 2023-07-07 Filename: 70137382_eng.pdf

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

Release date: 2023-07-07 Date of issue: 2023-07-07 Filename: 70137382_eng.pdf