

Connection cable

V1-G-10M-PUR-V1-W

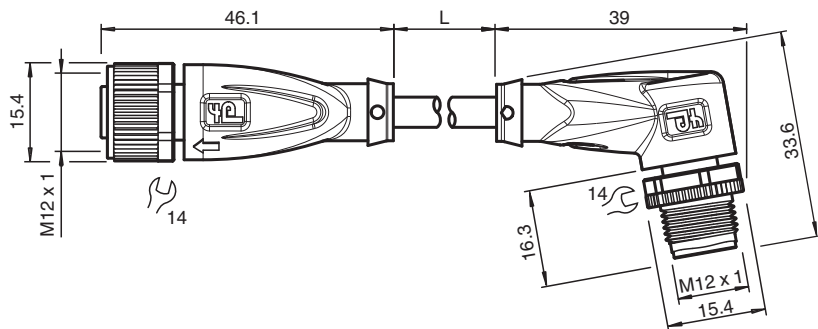


- Degree of protection IP68 / IP69
- Resistant to microbes and hydrolysis
- Halogen-free
- Specific design protects against loosening and inaccurate installation

Cordset M12 socket straight to M12 plug angled A-coded, 4-pin, PUR cable grey



Dimensions



Technical Data

General specifications

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

Electrical specifications

Operating voltage	U _B	max. 250 V AC/DC
Operating current	I _B	max. 4 A

Conformity

Degree of protection	EN 60529	
Plug connection	connector M12 x 1 : IEC 61076-2-101	

Release date: 2023-07-13 Date of issue: 2023-07-13 Filename: 114634_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

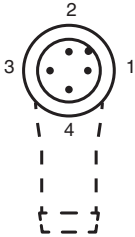
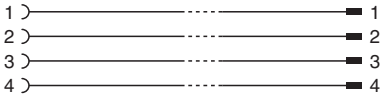
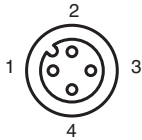
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

Technical Data

Halogen-free		IEC 60754-1
Ambient conditions		
Ambient temperature		
Plug connector		-40 ... 90 °C (-40 ... 194 °F)
Cable, fixed		-40 ... 80 °C (-40 ... 176 °F)
Cable, flexing		-25 ... 80 °C (-13 ... 176 °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	
Degree of protection		IP68 / IP69
Cable		
Sheath diameter		4.8 mm
Bending radius	> 10 x cable diameter, moving > 8 x cable diameter, fixed	
Sheath stripping force		max. 60 N / 500 mm
Sheath color	grey (similar to RAL 7001)	
Number of cores		4
Core cross section	0.34 mm²	
Cores color		Core 1: brown Core 2: white Core 3: blue Core 4: black
Core construction	19 x 0.15 mm Ø	
Length	L	10 m
Cable code	Li 9Y 11YM 4 x 0.34	
Drag chain suitability		
Drag chain cycles	max. 50 / day	
Motion velocity		max. 0.3 m/s
Material		
Halogen-free		yes
Plug connector		
Screw connection		Zinc diecast, nickel-plated
Body	TPU, black	
Seal		FKM
Contact surface	gold plated (Au)	
Flammability		V-2
Cable		
Sheathing		PUR based on polyether
Core insulation	PP	
Chemical resistance		good
Microbial resistance	yes	
Hydrolysis resistance		yes

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