

Female connector

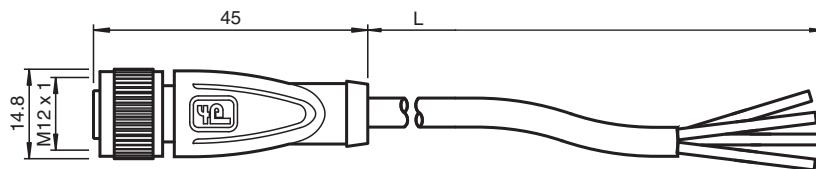
V1-G-2M-PUR

- Degree of protection IP67 / IP68 / IP69
- Resistant to microbes and hydrolysis
- Halogen-free
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching

Female cordset single-ended M12 straight 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		cable end	

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	
Halogen-free		IEC 60754-1	

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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

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Technical Data

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

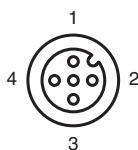
Mechanical specifications

Plug connector	
Tightening torque	0.6 Nm
Loosening protection	available
Tool installation	straight knurling
Mating cycles	min. 100
Degree of protection	IP67 / IP68 / IP69
Cable	according to IEC/EN 60228 (DIN VDE 0295) class 5
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 mm ²
Cores color	Core 1: brown Core 2: white Core 3: blue Core 4: black
Core construction	19 x 0.15 mm Ø
Length	L 2 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	
Knurled screw connection	Zinc die-casting, nickel-plated
Body	TPU, black
Contact surface	Au
Flammability	V-2
Cable	
Sheathing	PUR based on polyether
Core insulation	PP
Chemical resistance	good
Microbial resistance	yes
Hydrolysis resistance	yes

Connection Assignment



1	-----	BN
2	-----	WH
3	-----	BU
4	-----	BK