

## Female connector

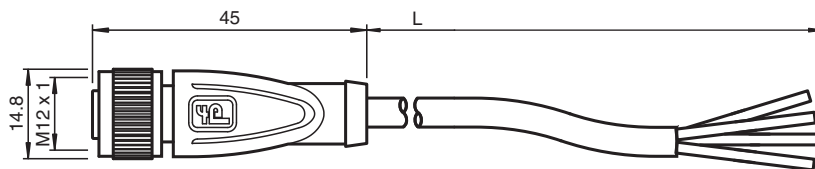
### V1-G-10M-PUR

- 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".

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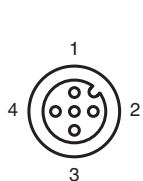
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**Technical Data**

<b>Ambient conditions</b>		
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
<b>Mechanical specifications</b>		
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 <sup>2</sup>
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
<b>Material</b>		
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

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