

Connection cable

V1-G-1M-PUR-V31-WM

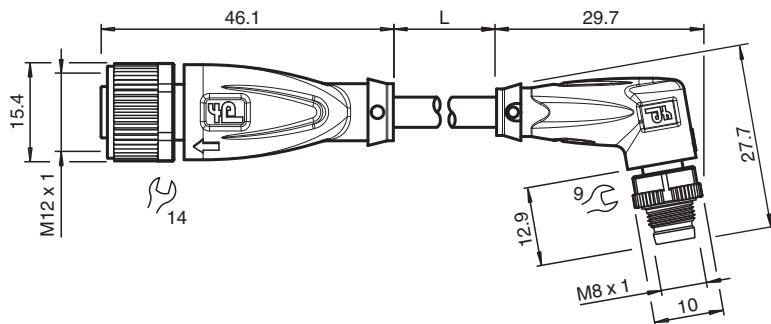


- Degree of protection IP68
- Resistant to microbes and hydrolysis
- Halogen-free
- Specific design protects against loosening and inaccurate installation

Cordset M12 socket straight to M8 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		M8
Style		angled
Locking		screw connection
Number of pins		4
Coding		A-coded
Electrical specifications		
Operating voltage	U _B	max. 30 V AC/DC
Operating current	I _B	max. 3 A
Conformity		
Degree of protection		EN 60529
Plug connection		connector M8 x 1 : IEC 61076-2-104 connector M12 x 1 : IEC 61076-2-101

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

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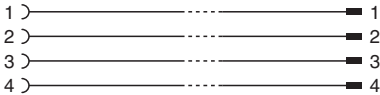
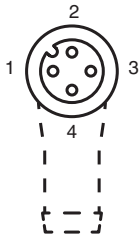
Halogen-free		IEC 60754-1
Ambient conditions		
Ambient temperature		
Plug connector		-40 ... 90 °C (-40 ... 194 °F)
Cable, fixed		-40 ... 80 °C (-40 ... 176 °F)
Cable, flexing		-20 ... 80 °C (-4 ... 176 °F)
Pollution degree	3	
Mechanical specifications		
Connector 1		
Tightening torque		0.6 Nm
Loosening protection	available	
Tool installation		straight knurling and hexagon nut SW = 14 mm
Mating cycles	min. 100	
Degree of protection		IP68 / IP69
Connector 2		
Tightening torque		0.4 Nm
Loosening protection	available	
Tool installation		straight knurling and hexagon nut SW = 9 mm
Mating cycles	min. 100	
Degree of protection		IP68
Cable		
according to IEC/EN 60228 (DIN VDE 0295) class 5		
Sheath diameter		4.3 mm
Bending radius	> 15 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	0.25 mm²	
Cores color		Core 1: brown Core 2: white Core 3: blue Core 4: black
Core construction	14 x 0.15 mm Ø	
Length	L	1 m
Cable code	Li 9Y 11Y 4 x 0,25	
Drag chain suitability		
Drag chain cycles		max. 50 / day
Motion velocity		max. 0.3 m/s
Mass	26 g	
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	

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