

Model Number

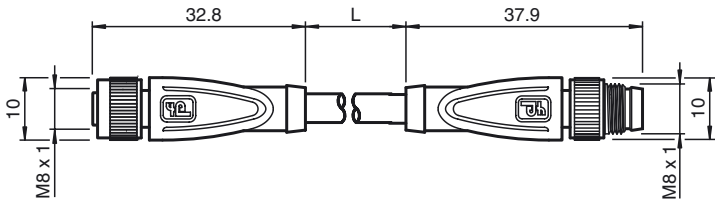
V3-GM-BK1M-PUR-R1-V3-GM

Cordset, M8 to M8, PUR cable, 3-pin, robotics

Features

- Highly flexible - suitable for robotics
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold plated contacts
- Suitable for drag chains
- Flame resistant cable
- Halogen-free
- Degree of protection IP67 / IP68 / IP69K
- Resistant to microbes and hydrolysis

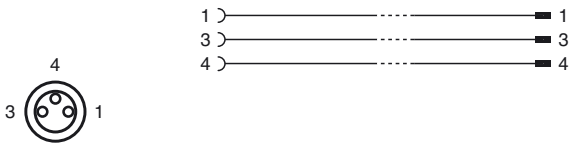
Dimensions



Technical data

General specifications		
Number of pins		3
Connection 1		socket
Construction type 1		straight
Threading 1		M8
Connection 2		Male connector
Construction type 2		straight
Threading 2		M8
Electrical specifications		
Operating voltage	U_B	max. 48 V AC / 60 V DC
Operating current	I_B	max. 3 A
Volume resistance		< 5 mΩ
Ambient conditions		
Ambient temperature		-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		
Contact elements		spring-loaded contact socket
Pin diameter		1 mm
Degree of protection		IP67 / IP68 / IP69k
Cable code		LIF9Y 11Y
Material		
Contacts		CuSn / Au
Contact surface		Au
Body		TPU, black
Cable		PUR
Slotted nut		Diecast zinc
Sleeve connector		Diecast zinc
Core insulation		PP
Cable		extra-fine wire, flexible
Sheath diameter		Ø 4.3 mm
Bending radius		> 10 x cable diameter, moving > 5 x cable diameter, fixed
Color		black (similar to RAL 7021)
Number of cores		4
Core cross-section		0.34 mm^2
Conductor construction		42 x 0.1 mm Ø
Length	L	1 m
Drag chain suitability		
Drag chain cycles		≥ 10000000
Motion velocity		≤ 3 m/s
Acceleration		≤ 10 m/s^2
Torsional stress		± 360 °/m

Electrical connection



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Flammability	
Contact carrier	94 HB
Housing	94 V-2
Cable	FT2
Compliance with standards and directives	
Standard conformity	
Degree of protection	EN 60529:2000
Flammability	Grip: UL 94 Cabling: in accordance with UL FT2
Halogen-free	DIN VDE 0472 Part 15 (plastic) DIN EN 50267-2-1 (flue gas)
Chemical resistance	EN 60811-404: 168 h at 100° C
Specification	connector M8 x 1 : IEC 61076-2-104
Approvals and certificates	
UL approval	AWM STYLE 20549 80 °C 300V AWM I A/B 80 °C 300V FT2 (cable)

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