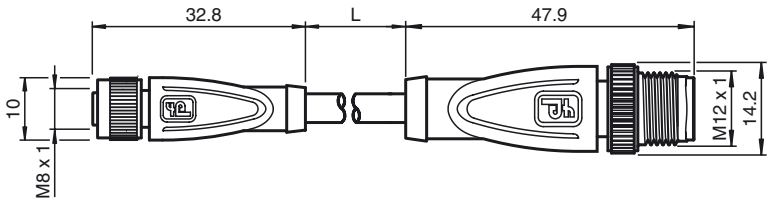
Dimensions



Model Number

V31-GM-BK2M-PUR-U-V1-G

Connection cable, M8 to M12, PUR cable, 4-pin

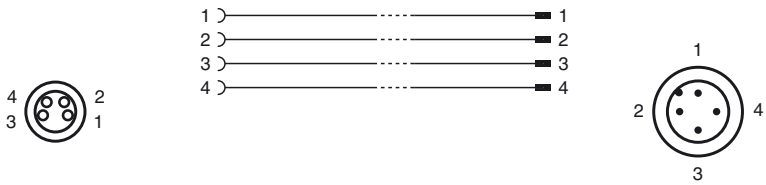
Features

- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold plated contacts
- Suitable for drag chains
- Resistant to microbes and hydrolysis
- Halogen-free
- UL Recognized Component

Technical data

General specifications		
Number of pins		4
UL File Number		E231213
Electrical specifications		
Operating voltage	U_B	max. 30 V AC/DC
Operating current	I_B	max. 3 A
Contact resistance		< 10 mΩ
Ambient conditions		
Ambient temperature		-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		
Contact elements		spring-loaded contact socket
Pin diameter		1 mm
Degree of protection		IP67
Material		
Contacts		CuSn / Au
Contact surface		Au
Body		TPU, black
Cable		PUR
Slotted nut		Diecast zinc
Core insolation		PP
Cable		fine-strand, flexible
Sheath diameter		Ø 4.3 mm
Bending radius		> 10 x cable diameter, moving > 5 x cable diameter, fixed
Color		black
Number of cores		4
Core cross-section		0.34 mm^2
Conductor construction		42 x 0.1 mm Ø
Length	L	2 m
Drag chain suitability		
Drag chain cycles		≥ 5000000
Motion velocity		≤ 3.3 m/s
Torsional stress		± 180 °/m
Flammability		
Contact carrier		94 HB
Housing		94 V-2
Cable		FT2
Compliance with standards and directives		
Standard conformity		

Electrical connection



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Flammability	Body: UL 94 Line: UL 1581 Section 1061; IEC 60332-1-2:2004
Halogen-free	IEC 60754-1:1994
Approvals and certificates	
UL approval	UL Recognized General purpose
Maximum permissible operating voltage	≤ 30 V
Maximum permissible ambient temperature	≤ 80 °C (≤ 176 °F)

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Refer to “General Notes Relating to Pepperl+Fuchs Product Information”.
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