



**Model Number**

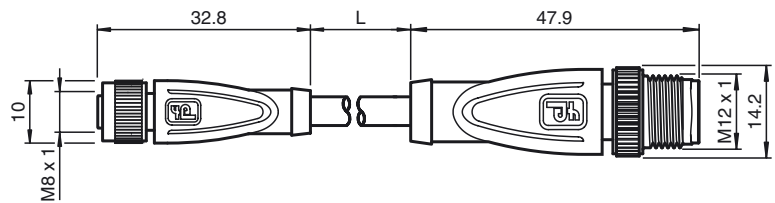
**V31-GM-BK1M-PUR-U-V1-G**

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

**Dimensions**



**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)
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Pollution degree	3
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**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 insulation	PP

**Cable**

Sheath diameter	Ø 4.3 mm
Bending radius	> 10 x cable diameter, moving > 5 x cable diameter, fixed

Color	black
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Number of cores	4
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Core cross-section	0.34 mm <sup>2</sup>
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Conductor construction	42 x 0.1 mm Ø
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Length	L	0.6 m
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**Drag chain suitability**

Drag chain cycles	≥ 5000000
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Motion velocity	≤ 3.3 m/s
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Torsional stress	± 180 °/m
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**Flammability**

Contact carrier	94 HB
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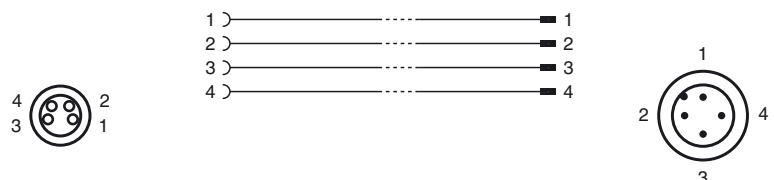
Housing	94 V-2
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Cable	FT2
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**Compliance with standards and directives**

Standard conformity	
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**Electrical connection**



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

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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