



**Model Number**

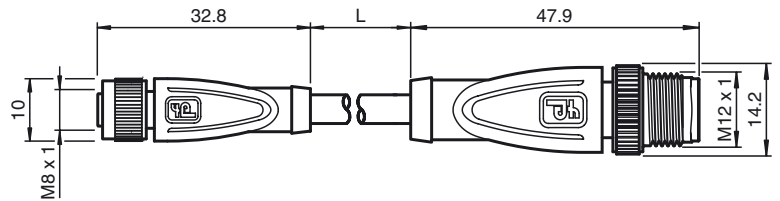
**V3-GM-BK3M-PUR-U-V11-G**

Double-ended cordset, M8 to M12 3-pin, PUR cable

**Features**

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

**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	M12
UL File Number	E231213

**Electrical specifications**

Operating voltage	U <sub>B</sub>	max. 48 V AC / 60 V DC
Operating current	I <sub>B</sub>	max. 3 A
Volume resistance		< 5 mΩ

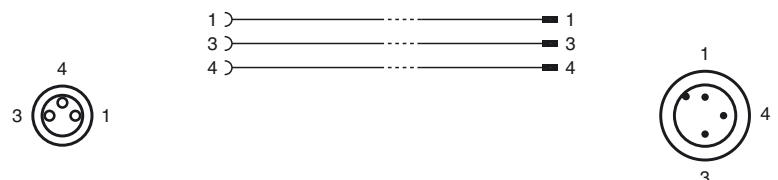
**Ambient conditions**

Ambient temperature	Body: -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
Cable code	Li 9Y 11Y 3 x 0.34
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
Number of cores	3
Core cross-section	0.34 mm <sup>2</sup>
Conductor construction	42 x 0.1 mm Ø
Length	L 3 m
Drag chain suitability	
Drag chain cycles	≥ 5000000
Motion velocity	≤ 3.3 m/s
Acceleration	≤ 5 m/s <sup>2</sup>

**Electrical connection**



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

Torsional stress	± 180 °/m
<b>Compliance with standards and directives</b>	
Standard conformity	
Flammability	Body: UL 94 Line: UL 1581 Section 1061; IEC 60332-1-2:2004
Halogen-free	IEC 60754-1:1994
Specification	connector M8 x 1 : IEC 61076-2-104 connector M12 x 1 : IEC 61076-2-101
<b>Approvals and certificates</b>	
UL approval	cURus AWM 20549 AWM I/II A/B 80°C 300V FT2 (cable)

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