



**Model Number**

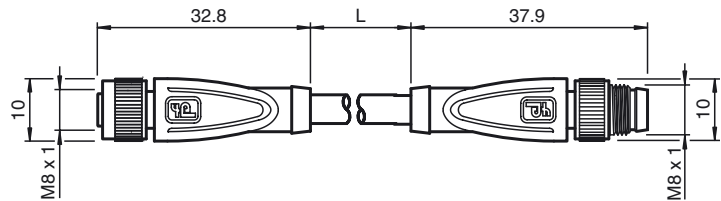
**V31-GM-BK2M-PUR-U-V31-GM**

Connection cable, M8

**Features**

- Raw cable with cURus approval
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold-plated and machined contacts
- Halogen-free
- Flame resistant cable
- Resistant to microbes and hydrolysis

**Dimensions**



**Technical data**

**General specifications**

Number of pins	4
UL File Number	E231213

**Electrical specifications**

Operating voltage	$U_B$	max. 30 V AC/DC
Test voltage		> 1500 V <sub>eff</sub> AC
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: -20 ... 80 °C (-4 ... 176 °F)
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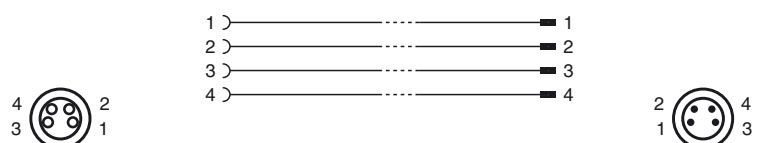
**Mechanical specifications**

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
Sleeve connector	Diecast zinc
Core insulation	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 <sup>2</sup>
Conductor construction	42 x 0.1 mm Ø
Length	L 2 m
Flammability	
Contact carrier	94 HB
Housing	94 V-2

**Approvals and certificates**

UL approval	cURus AWM 20549 AWM I/II A/B 80°C 300V FT2 (cable)
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**Electrical connection**



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