



**Model Number**

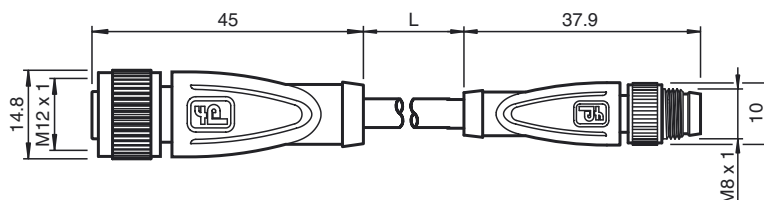
**V1-G-BK0,3M-PUR-U-V31-GM**

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

**Features**

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

**Dimensions**



**Technical data**

**General specifications**

Number of pins	3
UL File Number	E231213

**Electrical specifications**

Operating voltage	$U_B$	max. 250 V AC/DC
Operating current	$I_B$	max. 3 A
Volume resistance		< 5 m $\Omega$

**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
Sleeve connector	Diecast zinc
Core insulation	PP
Cable	extra-fine wire, flexible
Sheath diameter	$\varnothing$ 4.3 mm
Bending radius	> 10 x cable diameter, moving > 5 x cable diameter, fixed

Color	black
Cores	4 x 0.34 mm <sup>2</sup>
Conductor construction	42 x 0.1 mm $\varnothing$
Length	L 0.3 m

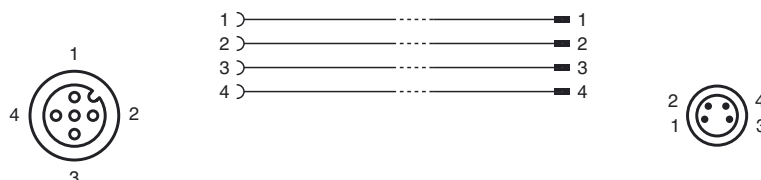
**Flammability**

Contact material	94 HB
Housing	94 V-2
Cable	FT2

**Compliance with standards and directives**

Standard conformity	
Degree of protection	EN 60529:2000
Standards	IEC 61076-2-101:2008
Flammability	Body: UL 94 Line: UL 1581 Section 1061; IEC 60332-1-2:2004
Halogen-free	IEC 60754-1:1994

**Electrical connection**



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**Approvals and certificates**

UL approval UL Recognized General purpose

Maximum permissible operating voltage  $\leq 30$  V

Maximum permissible ambient temperature  $\leq 80$  °C ( $\leq 176$  °F)