



**Model Number**

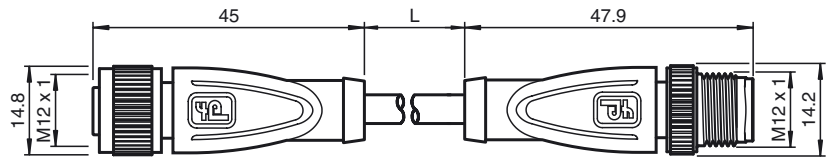
**V1-G-BK5M-PUR-U5/ABG-V1-G**

Connecting cable, M12 to M12, PUR cable 4-pin, shielded

**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	4 + shield
UL File Number	E231213

**Electrical specifications**

Operating voltage	$U_B$	max. 250 V AC/DC
Operating current	$I_B$	max. 4 A
Volume resistance		< 5 m $\Omega$

**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)
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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 / IP68 / IP69k
Cable code	Li 9Y C 11Y 5 x 0.50

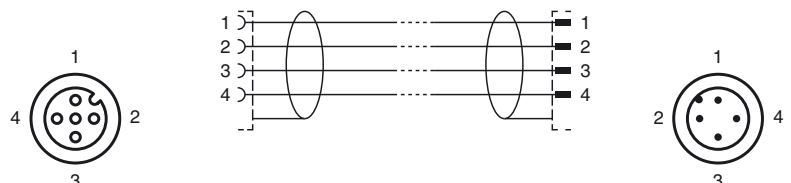
**Material**

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	$\varnothing$ 6 mm $\pm$ 0.15 mm
Bending radius	> 10 x cable diameter, moving > 5 x cable diameter, fixed
Color	black
Cores	5 x 0.5 mm <sup>2</sup>
Conductor construction	16 x 0.2 mm $\varnothing$
Shield	grid covering 85 %
Length	L 5 m
Flammability	
Contact carrier	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

**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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