



**Model Number**

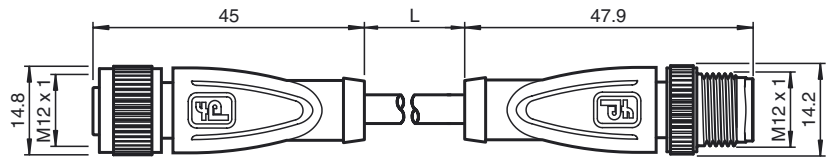
**V1-G-BK10M-PUR-U/ABG-V1-G**

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 | -40 ... 90 °C (-40 ... 194 °F)<br>cable, fixed: -40 ... 80 °C (-40 ... 176 °F)<br>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 / IP68 / IP69k          |

**Material**

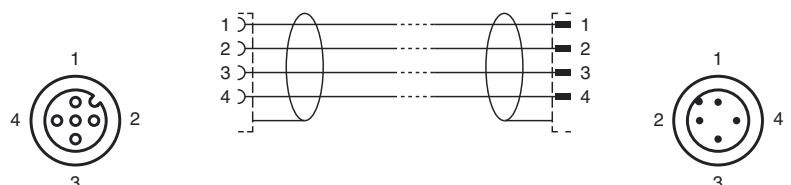
|                  |  |
|------------------|--|
| Contacts         | CuSn / Au  |
| Contact surface  | Au   |
| Body             | TPU, black   |
| Cable            | PUR  |
| Slotted nut      | Diecast zinc   |
| Sleeve connector | Diecast zinc   |
| Core insulation  | PP   |
| Cable            | fine-strand, flexible  |
| Sheath diameter  | $\varnothing$ 6 mm $\pm$ 0.15 mm                             |
| Bending radius   | > 10 x cable diameter, moving<br>> 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 10 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<br>Line: UL 1581 Section 1061; IEC 60332-1-2:2004 |

**Electrical connection**



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Halogen-free IEC 60754-1:1994

**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)

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