



**Model Number**

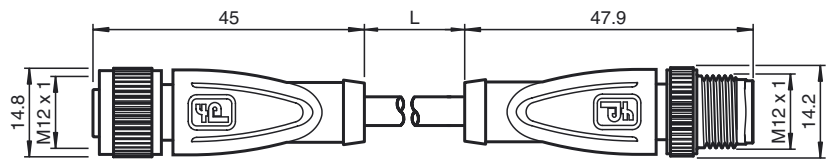
**V1-G-BK0,15M-PUR-U/0,5-V1-G-Y**

Connecting cable, M12 to M12, PUR cable 2-pin

**Features**

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

**Dimensions**



**Technical data**

**General specifications**

|                     |                |
|---------------------|----------------|
| Number of pins      | 4              |
| Connection 1        | socket         |
| Construction type 1 | straight       |
| Threading 1         | M12            |
| Connection 2        | Male connector |
| Construction type 2 | straight       |
| Threading 2         | M12            |
| UL File Number      | E231213        |

**Electrical specifications**

|                    |                |                  |
|--------------------|----------------|------------------|
| Operating voltage  | U <sub>B</sub> | max. 250 V AC/DC |
| Operating current  |                | max. 4 A         |
| Contact resistance |                | < 10 mΩ          |

**Ambient conditions**

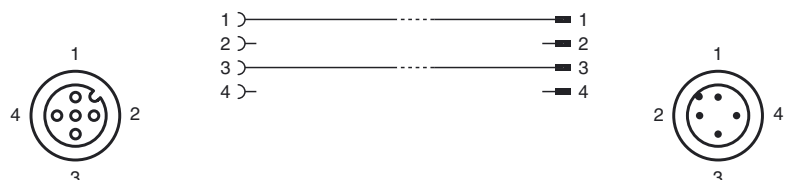
|                     |   |
|---------------------|---|
| Ambient temperature | -40 ... 90 °C (-40 ... 194 °F)<br>cable, fixed: -40 ... 80 °C (-40 ... 176 °F)<br>cable, flexing: -20 ... 80 °C (-4 ... 176 °F) |
| Pollution Degree    | 3   |

**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        | Ø 4.3 mm  |
| Bending radius         | > 15 x cable diameter, induced<br>> 8 x cable diameter, fixed |
| Color                  | black   |
| Cores                  | 2 x 0.5 mm <sup>2</sup>                                       |
| Conductor construction | 16 x 0.2 mm Ø   |
| Length                 | L 0.15 m  |
| Flammability           |   |
| Contact material       | 94 HB   |
| Housing                | 94 V-2  |
| Cable                  | FT2   |

**Compliance with standards and directives**

**Electrical connection**



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

|  |   |
|--|---|
| <b>Standard conformity</b>                                 |   |
| 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 |
| Halogen-free   | IEC 60754-1:1994  |
| <b>Approvals and certificates</b>                          |   |
| UL approval  | UL Recognized General purpose                                 |
| Maximum permissible operating voltage ≤ 30 V               |   |
| Maximum permissible ambient temperature ≤ 80 °C (≤ 176 °F) |   |

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