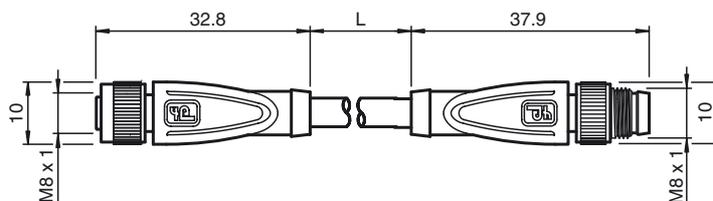




**Dimensions**



**Model Number**

**V31-GM-1M-PUR-V31-GM**  
 Connecting cable, M8 to M8, PUR cable 4-pin

**Features**

- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold plated contacts
- Halogen-free
- Resistant to microbes and hydrolysis

**Technical data**

**General specifications**

|                |   |
|----------------|---|
| Number of pins | 4 |
|----------------|---|

**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                     |

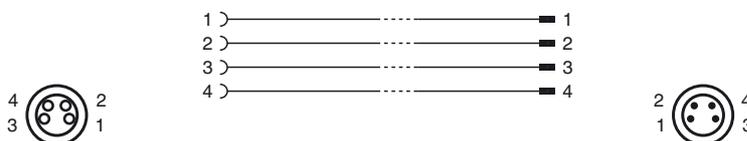
**Ambient conditions**

|                     |   |
|---------------------|---|
| Ambient temperature | -40 ... 90 °C (-40 ... 194 °F)<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  |
| 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                  | grey  |
| Cores                  | 4 x 0.25 mm <sup>2</sup>                                      |
| Conductor construction | 14 x 0.15 mm Ø  |
| Length                 | L 1 m   |
| Flammability           |   |
| Contact material       | 94 HB   |
| Housing                | 94 V-2  |

**Electrical connection**



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