



### Model Number

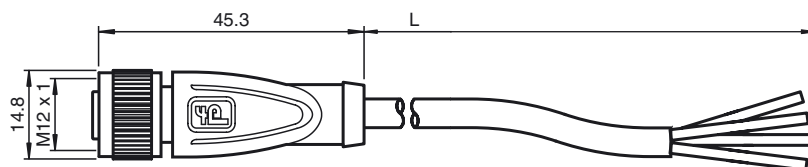
**V1-G-BK5M-PUR-U**

Cable socket, M12, 4-pin, PUR cable

### Features

- UL Recognized Component
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold-plated and machined contacts
- Flame resistant cable
- Halogen-free
- Appropriate for conveyor chains
- Suitable for 2-, 3- and 4-wire technology

### Dimensions



### Technical data

#### General specifications

|                     |                  |
|---------------------|------------------|
| Number of pins      | 4                |
| Connection 1        | female connector |
| Construction type 1 | straight         |
| Threading 1         | M12              |
| Connection 2        | cable end        |
| UL File Number      | E231213          |

#### Electrical specifications

|                   |       |                            |
|-------------------|-------|----------------------------|
| Operating voltage | $U_B$ | max. 250 V AC/DC           |
| Test voltage      |       | > 1500 V <sub>eff</sub> AC |
| Operating current |       | max. 4 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                                                   |
| Protection degree      | IP67 / IP68 / IP69k                                    |
| Material               |                                                        |
| Contacts               | CuSn / Au                                              |
| Contact surface        | Au                                                     |
| Body                   | TPU, green                                             |
| Cable                  | PUR                                                    |
| Slotted nut            | Diecast zinc                                           |
| Core insulation        | PP                                                     |
| Cable                  | extra-fine wire, flexible                              |
| Sheath diameter        | Ø 4.3 mm                                               |
| Bending radius         | > 10 x cable diameter, appropriate for conveyor chains |
| Color                  | black                                                  |
| Cores                  | 4 x 0.34 mm <sup>2</sup>                               |
| Conductor construction | 42 x 0.1 mm Ø                                          |
| Length                 | L 5 m                                                  |
| Flammability           |                                                        |
| Contact material       | 94 HB                                                  |
| Housing                | 94 V-2                                                 |

#### Approvals and certificates

|             |                                                    |
|-------------|----------------------------------------------------|
| UL approval | cURus AWM 20549 AWM I/II A/B 80°C 300V FT2 (cable) |
|-------------|----------------------------------------------------|

### Electrical connection

