



### Model Number

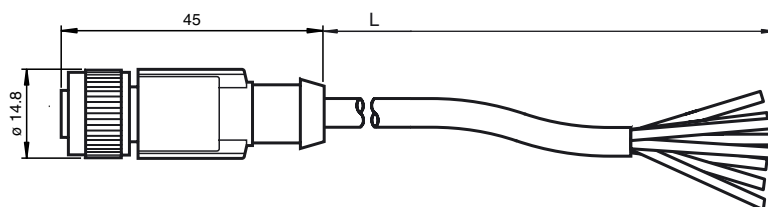
**V19-G-BK5M-PUR**

Cable socket, M12, 8-pin, PUR-cable

### Features

- cULus approval
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Halogen-free

### Dimensions



### Technical data

#### General specifications

|                     |                   |
|---------------------|-------------------|
| Number of poles     | 8                 |
| Connection 1        | Connector, female |
| Construction type 1 | straight          |
| Threading 1         | M12               |
| Connection 2        | free cable end    |
| UL File Number      | E300203           |

#### Electrical specifications

|                   |                            |
|-------------------|----------------------------|
| Operating voltage | max. 30 V DC               |
| Test voltage      | > 1500 V <sub>eff</sub> AC |
| Operating current | max. 2 A                   |
| Volume resistance | < 5 mΩ                     |

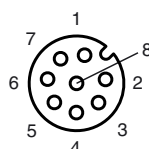
#### Ambient conditions

|                     |                                                                                                                               |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Ambient temperature | -25 ... 90 °C (248 ... 363 K)<br>Cable, movable: -5 ... 80 °C (268 ... 353 K),<br>cable, fixed: -40 ... 80 °C (233 ... 353 K) |
| Degree of soiling   | 3                                                                                                                             |

#### Mechanical specifications

|                        |                                                            |
|------------------------|------------------------------------------------------------|
| pin diameter           | 1 mm                                                       |
| Protection degree      | IP65 / IP68 / IP69K                                        |
| Material               |                                                            |
| Contacts               | CuZn                                                       |
| Contact surface        | Ni/Au                                                      |
| Handle                 | TPU, black                                                 |
| Cable                  | PUR                                                        |
| Slotted nut            | Zinc die-casting, nickel-plated                            |
| Seal                   | NBR                                                        |
| Core isolation         | PP                                                         |
| Cable                  | fine-strand, flexible                                      |
| Sheath diameter        | Ø 5.9 mm                                                   |
| Bend radius            | > 10 x conductor diameter, appropriate for conveyor chains |
| Colour                 | dark grey (RAL 7021)                                       |
| Cores                  | 8 x 0.25 mm <sup>2</sup>                                   |
| Conductor construction | 3 x 400 ... 0.1 mm Ø                                       |
| Length                 | L 5 m                                                      |
| Flammability           |                                                            |
| Housing                | 94 HB                                                      |

### Electrical connection 1



### Electrical connection 2

|   |   |    |
|---|---|----|
| 1 | — | WH |
| 2 | — | BN |
| 3 | — | GN |
| 4 | — | YE |
| 5 | — | GY |
| 6 | — | PK |
| 7 | — | BU |
| 8 | — | RD |