



### Model Number

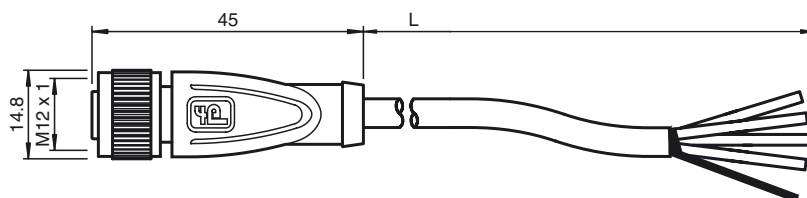
#### V1-G-2M-PUR-ABG

Female cordset, M12, 4-pin, shielded, PUR cable

### Features

- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Shield attached to coupling nut
- Gold-plated and machined contacts
- Protection degree IP67 / IP68 / IP69K
- Halogen-free

### Dimensions



### Technical data

#### General specifications

|                     |                  |
|---------------------|------------------|
| Number of pins      | 4 + shield       |
| Connection 1        | female connector |
| Construction type 1 | straight         |
| Threading 1         | M12              |
| Connection 2        | cable end        |

#### Electrical specifications

|                   |       |                  |
|-------------------|-------|------------------|
| Operating voltage | $U_B$ | max. 250 V AC/DC |
| Operating current |       | max. 4 A         |
| Volume resistance |       | < 5 mΩ           |

#### Ambient conditions

|                     |                                                                                                                                        |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Ambient temperature | Body: -40 ... 90 °C (-40 ... 194 °F)<br>cable, flexing: -25 ... 80 °C (-13 ... 176 °F)<br>cable, fixed: -25 ... 80 °C (-13 ... 176 °F) |
| Pollution Degree    | 3                                                                                                                                      |

#### Mechanical specifications

|                        |                                                                  |     |
|------------------------|------------------------------------------------------------------|-----|
| Contact elements       | spring-loaded contact socket                                     |     |
| Pin diameter           | 1 mm                                                             |     |
| Protection degree      | IP67                                                             |     |
| Material               |                                                                  |     |
| Contacts               | CuSn / Au                                                        |     |
| Contact surface        | Au                                                               |     |
| Body                   | TPU, black                                                       |     |
| Cable                  | PUR                                                              |     |
| Slotted nut            | Diecast zinc                                                     |     |
| Core insulation        | PP                                                               |     |
| Cable                  | fine-strand, flexible                                            |     |
| Sheath diameter        | Ø 4.8 mm                                                         |     |
| Bending radius         | > 10 x cable diameter, moving<br>5 x cable diameter, single bend |     |
| Color                  | grey                                                             |     |
| Cores                  | 4 x 0.34 mm <sup>2</sup>                                         |     |
| Conductor construction | 19 x 0.15 mm Ø                                                   |     |
| Shield                 | grid covering 85 %                                               |     |
| Length                 | L                                                                | 2 m |
| Flammability           |                                                                  |     |
| Contact material       | HB                                                               |     |
| Housing                | V-2                                                              |     |

#### Compliance with standards and directives

|                     |                      |
|---------------------|----------------------|
| Standard conformity |                      |
| Protection degree   | EN 60529:2000        |
| Standards           | IEC 61076-2-101:2008 |
| Flammability        | Grip: UL 94          |

### Electrical connection

