



### Model Number

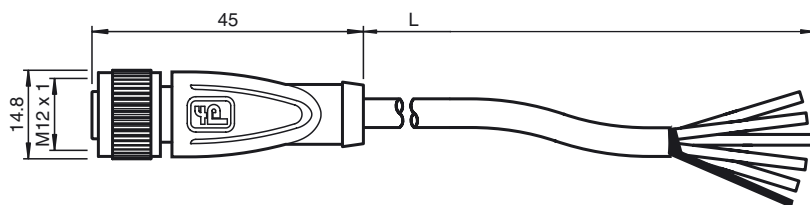
#### V15-G-50M-PUR-ABG

Female cordset, M12, 5-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      | 5 + shield       |
| Connection 1        | female connector |
| Construction type 1 | straight         |
| Threading 1         | M12              |
| Connection 2        | cable end        |

#### Electrical specifications

|                   |       |                 |
|-------------------|-------|-----------------|
| Operating voltage | $U_B$ | max. 60 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 ... 100 °C (-13 ... 212 °F)<br>cable, fixed: -25 ... 100 °C (-13 ... 212 °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                  | extra-fine wire, flexible     |      |
| Sheath diameter        | Ø 4.8 mm                      |      |
| Bending radius         | > 10 x cable diameter, moving |      |
| Color                  | grey                          |      |
| Cores                  | 5 x 0.34 mm <sup>2</sup>      |      |
| Conductor construction | 42 x 0.1 mm Ø                 |      |
| Shield                 | grid covering 85 %            |      |
| Length                 | L                             | 50 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

