



### Model Number

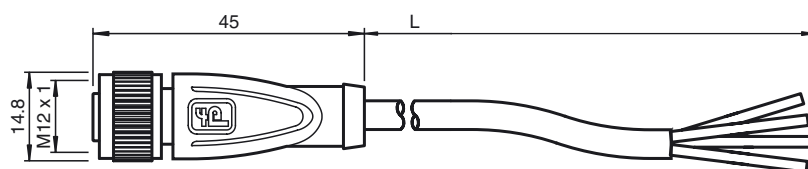
#### V1-G-30M-PVC

Female cordset, M12, 4-pin, PVC cable

### Features

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

### Dimensions



### Technical data

#### General specifications

|                     |                  |
|---------------------|------------------|
| Number of pins      | 4                |
| 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 m $\Omega$   |

#### Ambient conditions

|                     |                                                                                                                                      |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Ambient temperature | Body: -40 ... 90 °C (-40 ... 194 °F)<br>cable, fixed: -25 ... 70 °C (-13 ... 158 °F)<br>cable, flexing: -5 ... 70 °C (23 ... 158 °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, black                    |      |
| Cable                  | PVC                           |      |
| Slotted nut            | Diecast zinc                  |      |
| Core insulation        | PVC                           |      |
| Cable                  | fine-strand, flexible         |      |
| Sheath diameter        | Ø 4.8 mm                      |      |
| Bending radius         | > 10 x cable diameter, moving |      |
| Color                  | grey                          |      |
| Cores                  | 4 x 0.34 mm <sup>2</sup>      |      |
| Conductor construction | 19 x 0.15 mm Ø                |      |
| Length                 | L                             | 30 m |
| Flammability           |                               |      |
| Contact material       | HB                            |      |
| Housing                | V-2                           |      |
| Cable                  | flame-resistant               |      |

#### Compliance with standards and directives

|                     |                                         |
|---------------------|-----------------------------------------|
| Standard conformity |                                         |
| Protection degree   | EN 60529:2000                           |
| Standards           | IEC 61076-2-101:2008                    |
| Flammability        | Grip: UL 94<br>Lead: IEC 60332-2-2:2004 |

### Electrical connection

