



### Model Number

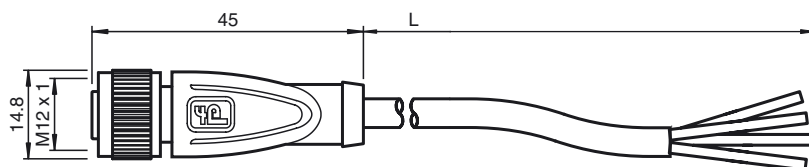
**V1-G-BK2M-PVC-U**

Female cordset, M12, 4-pin, PVC cable

### Features

- UL Recognized Component
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold-plated and machined contacts
- Degree of protection IP67 / IP68 / IP69K

### Dimensions



### Technical data

#### General specifications

|                |         |
|----------------|---------|
| Number of pins | 4       |
| UL File Number | E231213 |

#### Electrical specifications

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

#### Ambient conditions

|                     |                                                                                                                                      |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Ambient temperature | Body: -40 ... 90 °C (-40 ... 194 °F)<br>cable, flexing: -25 ... 80 °C (-13 ... 176 °F)<br>cable, fixed: -5 ... 80 °C (23 ... 176 °F) |
| Pollution Degree    | 3                                                                                                                                    |

#### Mechanical specifications

|                      |                              |
|----------------------|------------------------------|
| Contact elements     | spring-loaded contact socket |
| Pin diameter         | 1 mm                         |
| Degree of protection | 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 | $\varnothing$ 4.3 mm                                          |
| Bending radius  | > 15 x cable diameter, induced<br>> 5 x cable diameter, fixed |

|                        |                            |
|------------------------|----------------------------|
| Color                  | black                      |
| Cores                  | 4 x 0.34 mm <sup>2</sup>   |
| Conductor construction | 19 x 0.15 mm $\varnothing$ |
| Length                 | L 2 m                      |

#### Flammability

|                  |     |
|------------------|-----|
| Contact material | HB  |
| Housing          | V-2 |
| Cable            | FT1 |

#### Compliance with standards and directives

|                      |                                                               |
|----------------------|---------------------------------------------------------------|
| Standard conformity  |                                                               |
| Degree of protection | EN 60529:2000                                                 |
| Standards            | IEC 61076-2-101:2008                                          |
| Flammability         | Body: UL 94<br>Line: UL 1581 Section 1061; IEC 60332-1-2:2004 |

### Electrical connection

