



### Model Number

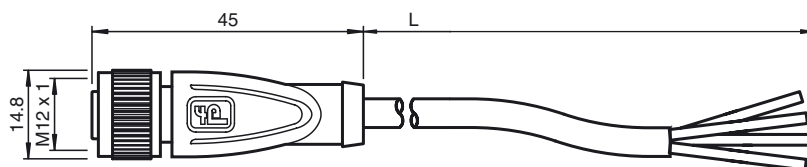
**V1-G-BK5M-PVC-U**

Female cordset, M12, 4-pin, PVC cable

### Features

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

### Dimensions



### Technical data

#### General specifications

|                     |           |
|---------------------|-----------|
| Number of pins      | 4         |
| Connection 1        | socket    |
| Construction type 1 | straight  |
| Threading 1         | M12       |
| Connection 2        | cable end |
| 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 mΩ           |

#### Ambient conditions

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

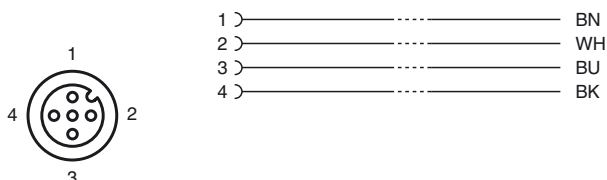
#### Mechanical specifications

|                        |                                                              |
|------------------------|--------------------------------------------------------------|
| Contact elements       | spring-loaded contact socket                                 |
| Pin diameter           | 1 mm                                                         |
| 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        | Ø 4.3 mm                                                     |
| Bending radius         | > 15 x cable diameter, moving<br>> 5 x cable diameter, fixed |
| Color                  | black                                                        |
| Number of cores        | 4                                                            |
| Core cross-section     | 0.34 mm <sup>2</sup>                                         |
| Conductor construction | 19 x 0.15 mm Ø                                               |
| Length                 | L 5 m                                                        |
| Flammability           |                                                              |
| Contact carrier        | HB                                                           |
| Housing                | V-2                                                          |
| Cable                  | FT1                                                          |

#### Compliance with standards and directives

|                      |               |
|----------------------|---------------|
| Standard conformity  |               |
| Degree of protection | EN 60529:2000 |

### Electrical connection





|              |                                                               |
|--------------|---------------------------------------------------------------|
| Standards    | IEC 61076-2-101:2008                                          |
| Flammability | Body: UL 94<br>Line: UL 1581 Section 1061; IEC 60332-1-2:2004 |

Release date: 2018-11-12 08:23 Date of issue: 2018-11-12 225771\_eng.xml