



### Model Number

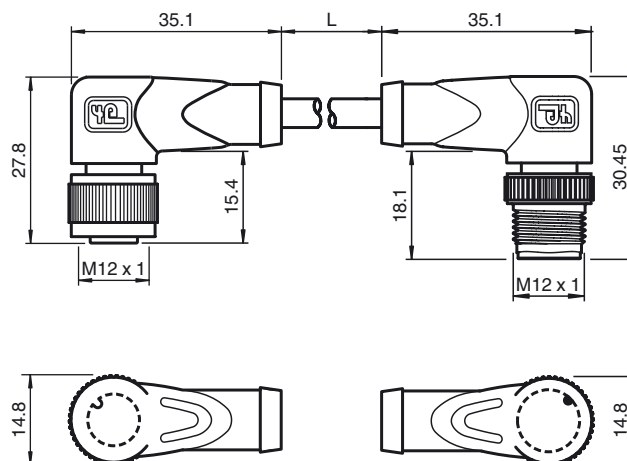
**V1-W-BK1,1M-PUR-U5/ABG-V1-W**

Connecting cable, M12 to M12, PUR cable 4-pin, shielded

### Features

- UL Recognized Component
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold plated contacts
- Flame resistant cable
- Resistant to microbes and hydrolysis
- Halogen-free
- UV resistant
- Raw cable with cURus approval

### Dimensions



### Technical data

#### General specifications

|                |            |
|----------------|------------|
| Number of pins | 4 + shield |
| 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 | -40 ... 90 °C (-40 ... 194 °F)<br>cable, fixed: -40 ... 80 °C (-40 ... 176 °F)<br>cable, flexing: -20 ... 80 °C (-4 ... 176 °F) |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------|

|                  |   |
|------------------|---|
| Pollution degree | 3 |
|------------------|---|

#### Mechanical specifications

|                      |                              |
|----------------------|------------------------------|
| Contact elements     | spring-loaded contact socket |
| Pin diameter         | 1 mm                         |
| Degree of protection | IP67 / IP68 / IP69k          |
| Cable code           | Li 9Y C 11Y 5 x 0.50         |

#### Material

|                  |                                                              |
|------------------|--------------------------------------------------------------|
| Contacts         | CuSn / Au                                                    |
| Contact surface  | Au                                                           |
| Body             | TPU, black                                                   |
| Cable            | PUR                                                          |
| Slotted nut      | Diecast zinc                                                 |
| Sleeve connector | Diecast zinc                                                 |
| Core insulation  | PP                                                           |
| Cable            | fine-strand, flexible                                        |
| Sheath diameter  | Ø 6 mm ± 0.15 mm                                             |
| Bending radius   | > 10 x cable diameter, moving<br>> 5 x cable diameter, fixed |

|                        |                     |
|------------------------|---------------------|
| Color                  | black               |
| Number of cores        | 5                   |
| Core cross-section     | 0.5 mm <sup>2</sup> |
| Conductor construction | 16 x 0.2 mm Ø       |
| Shield                 | grid covering 85 %  |
| Length                 | L 1.1 m             |

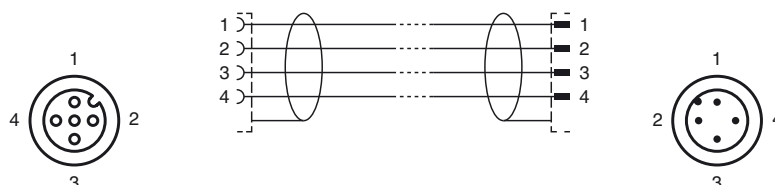
#### Flammability

|                 |        |
|-----------------|--------|
| Contact carrier | 94 HB  |
| Housing         | 94 V-2 |
| Cable           | FT2    |

#### Compliance with standards and directives

|                      |                      |
|----------------------|----------------------|
| Standard conformity  |                      |
| Degree of protection | EN 60529:2000        |
| Standards            | IEC 61076-2-101:2008 |

### Electrical connection





|                                                            |                                                               |
|------------------------------------------------------------|---------------------------------------------------------------|
| Flammability                                               | Body: UL 94<br>Line: UL 1581 Section 1061; IEC 60332-1-2:2004 |
| Halogen-free                                               | IEC 60754-1:1994                                              |
| <b>Approvals and certificates</b>                          |                                                               |
| UL approval                                                | UL Recognized General purpose                                 |
| Maximum permissible operating voltage ≤ 30 V               |                                                               |
| Maximum permissible ambient temperature ≤ 80 °C (≤ 176 °F) |                                                               |

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