



### Model Number

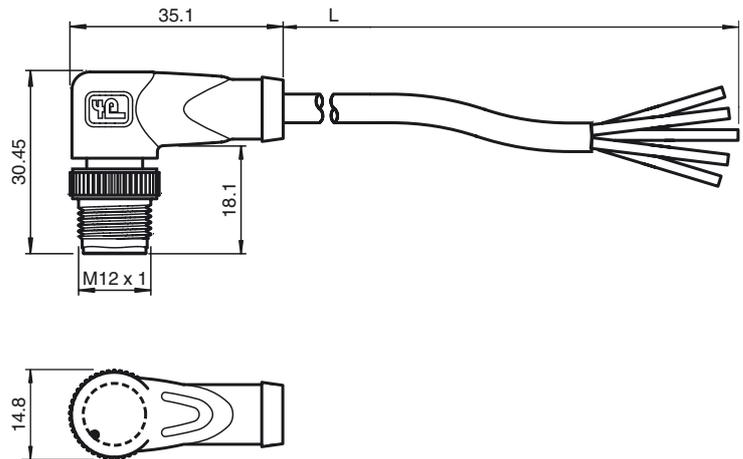
**V15S-W-BK10M-PUR-U/0,75**

Cable connector, M12, 5-pin, PUR cable

### Features

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

### Dimensions



### Technical data

#### General specifications

|                     |                |
|---------------------|----------------|
| Number of pins      | 5              |
| Connection 1        | Male connector |
| Construction type 1 | right angle    |
| Threading 1         | M12            |
| Connection 2        | cable end      |
| UL File Number      | E231213        |

#### Electrical specifications

|                   |       |                        |
|-------------------|-------|------------------------|
| Operating voltage | $U_B$ | max. 48 V AC / 60 V DC |
| Operating current | $I_B$ | max. 4 A               |
| Volume resistance |       | < 5 m $\Omega$         |

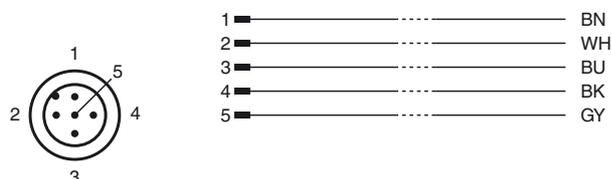
#### Ambient conditions

|                     |   |
|---------------------|---|
| Ambient temperature | Body: -40 ... 90 °C (-40 ... 194 °F)<br>cable, fixed: -40 ... 80 °C (-40 ... 176 °F)<br>cable, flexing: -20 ... 80 °C (-4 ... 176 °F) |
| Pollution degree    | 3   |

#### Mechanical specifications

|                        |   |
|------------------------|---|
| Pin diameter           | 1 mm  |
| Degree of protection   | IP67 / IP68 / IP69k   |
| Material               |   |
| Contacts               | CuSn / Au   |
| Contact surface        | Au  |
| Body                   | TPU, black  |
| Cable                  | PUR   |
| Sleeve connector       | Diecast zinc  |
| Core insulation        | PP  |
| Cable                  | fine-strand, flexible   |
| Sheath diameter        | $\varnothing$ 6 mm  |
| Bending radius         | > 10 x cable diameter, appropriate for conveyor chains<br>> 5 x cable diameter, fixed |
| Color                  | black   |
| Number of cores        | 5   |
| Core cross-section     | 0.75 mm <sup>2</sup>  |
| Conductor construction | 42 x 0.15 mm $\varnothing$  |
| Length                 | L 10 m  |
| Drag chain suitability |   |
| Drag chain cycles      | $\geq$ 2000000  |
| Motion velocity        | $\leq$ 3.3 m/s  |
| Traverse distance      | 5 m   |
| Acceleration           | $\leq$ 5 m/s <sup>2</sup>   |
| Torsional stress       | $\pm$ 180 °/m   |
| Flammability           |   |
| Contact carrier        | HB  |
| Housing                | V-2   |

### Electrical connection



**Compliance with standards and directives**

Standard conformity

|                      |                                     |
|----------------------|-------------------------------------|
| Degree of protection | EN 60529:2000                       |
| Flammability         | Grip: UL 94                         |
| Specification        | connector M12 x 1 : IEC 61076-2-101 |

**Approvals and certificates**

|             |  |
|-------------|--|
| UL approval | cURus AWM 20549 AWM I/II A/B 80°C 300V FT2 (cable) |
|-------------|--|

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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