



### Model Number

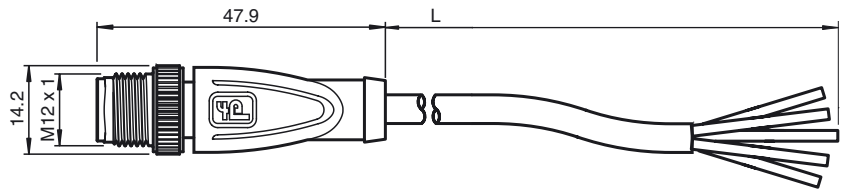
**V15S-G-BK5M-PUR-U/0,75**

Cable connector, M12, 5-pin, PUR cable

### Features

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

### Dimensions



### Technical data

#### General specifications

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

#### Electrical specifications

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

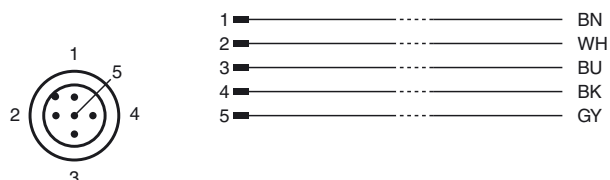
#### Ambient conditions

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

#### 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 5 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        |
| Standards            | IEC 61076-2-101:2008 |
| Flammability         | Grip: UL 94          |

**Approvals and certificates**

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

Release date: 2018-03-19 08:58 Date of issue: 2018-03-19 240771-0010\_eng.xml