



### Model Number

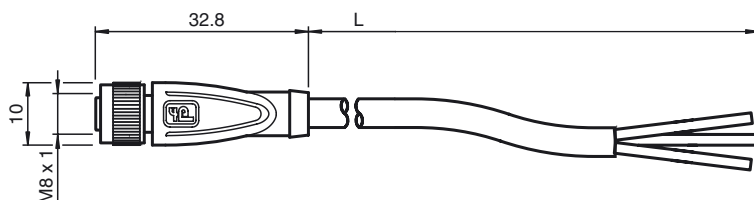
**V3-GM-BK1,5M-PUR-U**

Female cordset single-ended, M8, 3-pin, PUR cable

### 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
- Suitable for drag chains

### Dimensions



### Technical data

#### General specifications

|                     |           |
|---------------------|-----------|
| Number of pins      | 3         |
| Connection 1        | socket    |
| Construction type 1 | straight  |
| Threading 1         | M8        |
| 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. 3 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                         |
| Cable code           | Li 9Y 11Y 3 x 0.34           |

#### Material

|                        |                                                              |
|------------------------|--------------------------------------------------------------|
| Contacts               | CuSn / Au                                                    |
| Contact surface        | Au                                                           |
| Body                   | TPU, black                                                   |
| Cable                  | PUR                                                          |
| Slotted nut            | Diecast zinc                                                 |
| Core insulation        | PP                                                           |
| Cable                  | extra-fine wire, flexible                                    |
| Sheath diameter        | Ø 4.3 mm                                                     |
| Bending radius         | > 10 x cable diameter, moving<br>> 5 x cable diameter, fixed |
| Color                  | black                                                        |
| Number of cores        | 3                                                            |
| Core cross-section     | 0.34 mm <sup>2</sup>                                         |
| Conductor construction | 42 x 0.1 mm Ø                                                |
| Length                 | L 1.5 m                                                      |

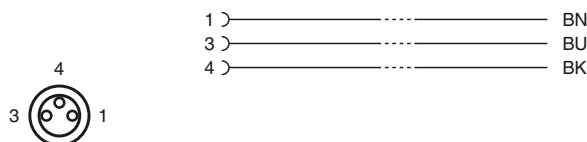
#### Drag chain suitability

|                   |                      |
|-------------------|----------------------|
| Drag chain cycles | ≥ 5000000            |
| Motion velocity   | ≤ 3.3 m/s            |
| Acceleration      | ≤ 5 m/s <sup>2</sup> |
| Torsional stress  | ± 180 °/m            |

#### Flammability

|                 |       |
|-----------------|-------|
| Contact carrier | 94 HB |
|-----------------|-------|

### Electrical connection





|                                                 |                                                    |
|-------------------------------------------------|----------------------------------------------------|
| Housing                                         | 94 V-2                                             |
| Cable                                           | FT2                                                |
| <b>Compliance with standards and directives</b> |                                                    |
| Standard conformity                             |                                                    |
| Degree of protection                            | EN 60529:2000                                      |
| Flammability                                    | Body: UL 94                                        |
|                                                 | Line: UL 1581 Section 1061; IEC 60332-1-2:2004     |
| Specification                                   | connector M8 x 1 : IEC 61076-2-104                 |
| <b>Approvals and certificates</b>               |                                                    |
| UL approval                                     | cURus AWM 20549 AWM I/II A/B 80°C 300V FT2 (cable) |