



### Model Number

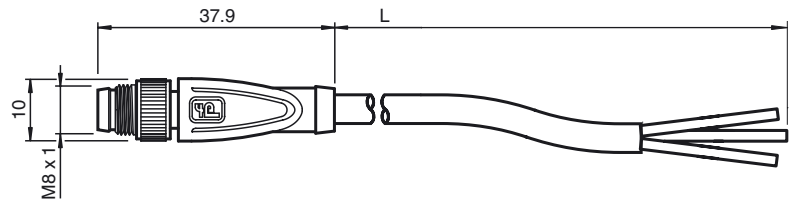
**V3S-GM-BK5M-PUR-U**

Cable connector, 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        | Male connector |
| 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               |
| Contact resistance |       | < 10 mΩ                |

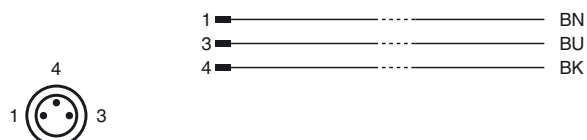
#### Ambient conditions

|                     |                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Ambient temperature | 40 ... 90 °C (104 ... 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                                                         |
| Cable code             | Li 9Y 11Y 3 x 0.34                                           |
| Material               |                                                              |
| Contacts               | CuSn / Au                                                    |
| Contact surface        | Au                                                           |
| Body                   | TPU, black                                                   |
| Cable                  | PUR                                                          |
| Sleeve connector       | 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                                                        |
| Cores                  | 3 x 0.34 mm <sup>2</sup>                                     |
| Conductor construction | 42 x 0.1 mm Ø                                                |
| Length                 | L 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                                                        |
| Housing                | 94 V-2                                                       |
| Cable                  | FT2                                                          |

### Electrical connection





**Compliance with standards and directives**

|                                   |                                                               |
|-----------------------------------|---------------------------------------------------------------|
| Standard conformity               |                                                               |
| Degree of protection              | EN 60529:2000                                                 |
| Flammability                      | Body: UL 94<br>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)            |

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