



Model Number

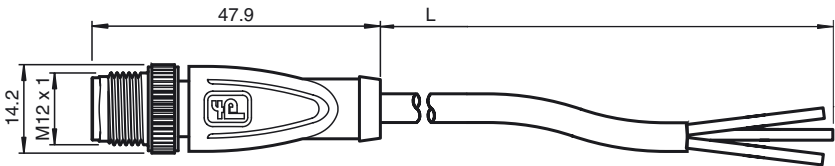
V11S-G-BK5M-PUR-U

Male single-ended cordset, M12, 3-pin, PUR cable

Features

- UL Recognized Component
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold plated contacts
- Halogen-free
- Suitable for drag chains

Dimensions



Technical data

General specifications

|                |         |
|----------------|---------|
| Number of pins | 3       |
| UL File Number | E231213 |

Electrical specifications

|                   |                |                            |
|-------------------|----------------|----------------------------|
| Operating voltage | U <sub>B</sub> | max. 300 V DC              |
| Test voltage      |                | > 1500 V <sub>eff</sub> AC |
| Operating current | I <sub>B</sub> | max. 4 A                   |
| Volume resistance |                | < 5 mΩ                     |

Ambient conditions

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

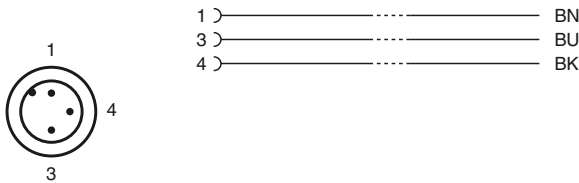
Mechanical specifications

|                        |                                                              |
|------------------------|--------------------------------------------------------------|
| Contact elements       | spring-loaded contact socket                                 |
| Pin diameter           | 1 mm                                                         |
| Degree of protection   | IP67 / IP68 / IP69k                                          |
| 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                                                        |
| 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 material       | HB                                                           |
| Housing                | V-2                                                          |
| Cable                  | FT2                                                          |

Compliance with standards and directives

|                     |
|---------------------|
| Standard conformity |
|---------------------|

Electrical connection



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