



Model Number

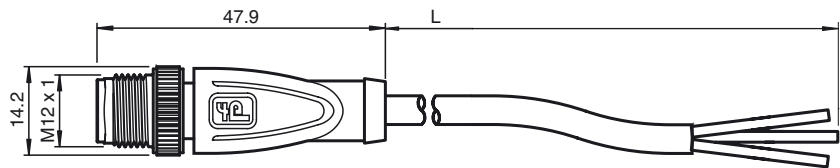
V11S-G-BK1M-PUR-U

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

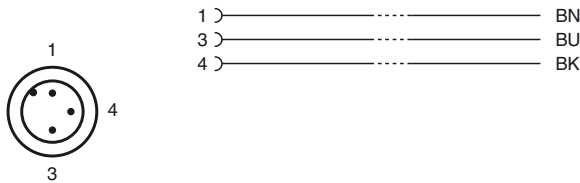
Dimensions



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                                    |                |                                                                                                                                       |
| 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              | 1 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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