



Model Number

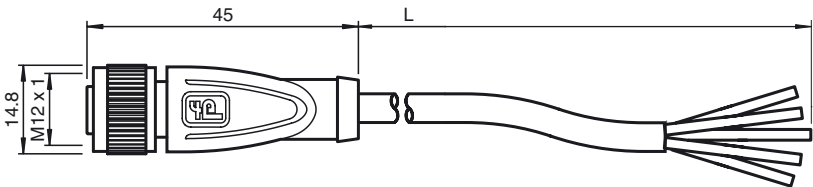
V15-G-20M-PUR

Female cordset, M12, 5-pin, PUR cable

Features

- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold plated contacts
- Degree of protection IP67 / IP68 / IP69K
- Halogen-free
- Suitable for 2-, 3- and 4-wire technology

Dimensions



Technical data

General specifications

|                     |           |
|---------------------|-----------|
| Number of pins      | 5         |
| Connection 1        | socket    |
| Construction type 1 | straight  |
| Threading 1         | M12       |
| Connection 2        | cable end |

Electrical specifications

|                   |                |                        |
|-------------------|----------------|------------------------|
| Operating voltage | U <sub>B</sub> | max. 48 V AC / 60 V DC |
| 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, fixed: -40 ... 80 °C (-40 ... 176 °F)<br>cable, flexing: -30 ... 80 °C (-22 ... 176 °F) |
| Pollution degree    | 3                                                                                                                                      |

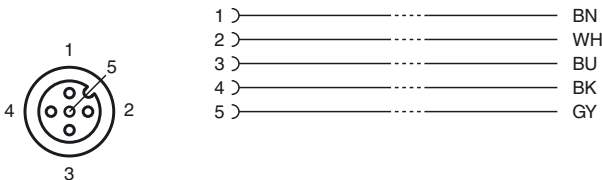
Mechanical specifications

|                        |                                                                 |
|------------------------|-----------------------------------------------------------------|
| Contact elements       | spring-loaded contact socket                                    |
| Pin diameter           | 1 mm                                                            |
| Degree of protection   | IP67 / IP68 / IP69k                                             |
| Cable code             | Li 9Y 11YM 5 x 0.34                                             |
| Material               |                                                                 |
| Contacts               | CuSn / Au                                                       |
| Contact surface        | Au                                                              |
| Body                   | TPU, black                                                      |
| Cable                  | PUR                                                             |
| Slotted nut            | Diecast zinc                                                    |
| Core insulation        | PP                                                              |
| Cable                  | fine-strand, flexible                                           |
| Sheath diameter        | Ø 4.8 mm                                                        |
| Bending radius         | > 10 x cable diameter, moving<br>> 8 x cable diameter, flexible |
| Color                  | grey                                                            |
| Number of cores        | 5                                                               |
| Core cross-section     | 0.34 mm <sup>2</sup>                                            |
| Conductor construction | 19 x 0.15 mm Ø                                                  |
| Length                 | L 20 m                                                          |
| Flammability           |                                                                 |
| Contact carrier        | HB                                                              |
| Housing                | V-2                                                             |

Compliance with standards and directives

|                      |               |
|----------------------|---------------|
| Standard conformity  |               |
| Degree of protection | EN 60529:2000 |
| Flammability         | Grip: UL 94   |

Electrical connection



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Specification

connector M12 x 1 : IEC 61076-2-101

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