



Model Number

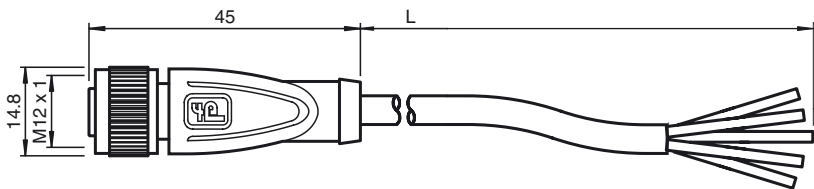
V15-G-BK5M-PUR-U/0,75

Female cordset, M12, 5-pin, PUR cable

Features

- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Suitable for drag chains
- UL Recognized Component
- Degree of protection IP67 / IP68 / IP69K
- Gold plated contacts

Dimensions



Technical data

General specifications

|                     |           |
|---------------------|-----------|
| Number of pins      | 5         |
| Connection 1        | socket    |
| Construction type 1 | straight  |
| Threading 1         | M12       |
| Connection 2        | cable end |
| UL File Number      | E231213   |

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                 |

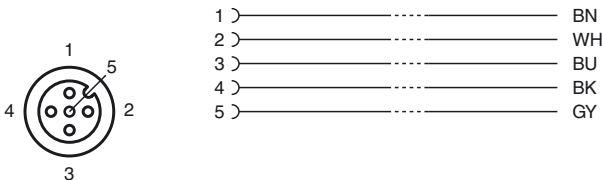
Ambient conditions

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

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                  | fine-strand, flexible                                                                 |
| Sheath diameter        | Ø 6 mm                                                                                |
| Bending radius         | > 10 x cable diameter, appropriate for conveyor chains<br>> 5 x cable diameter, fixed |
| Color                  | black                                                                                 |
| Number of cores        | 5                                                                                     |
| Core cross-section     | 0.75 mm <sup>2</sup>                                                                  |
| Conductor construction | 42 x 0.15 mm Ø                                                                        |
| Length                 | L 5 m                                                                                 |
| Drag chain suitability |                                                                                       |
| Drag chain cycles      | ≥ 2000000                                                                             |
| Motion velocity        | ≤ 3.3 m/s                                                                             |
| Traverse distance      | 5 m                                                                                   |
| Acceleration           | ≤ 5 m/s <sup>2</sup>                                                                  |
| Torsional stress       | ±180 °/m                                                                              |
| Flammability           |                                                                                       |
| Contact carrier        | HB                                                                                    |
| Housing                | V-2                                                                                   |

Electrical connection



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Compliance with standards and directives

|                            |                                                    |
|----------------------------|----------------------------------------------------|
| Standard conformity        |                                                    |
| Degree of protection       | EN 60529:2000                                      |
| Flammability               | Grip: UL 94                                        |
| Specification              | connector M12 x 1 : IEC 61076-2-101                |
| Approvals and certificates |                                                    |
| UL approval                | cURus AWM 20549 AWM I/II A/B 80°C 300V FT2 (cable) |