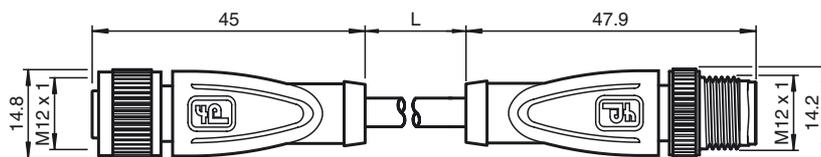




**Dimensions**



**Model Number**

**V15-G-GY-5M-PUR-A-V15-G**

Connecting cable, M12 to M12, PUR cable 5-pin

**Features**

- Improved resistance to weld slag
- Suitable for drag chains
- Suitable for robotic applications / torsion resistant
- Flame resistant cable
- Halogen-free
- Resistant to microbes and hydrolysis
- Free from substances that impair paint wetting
- Immunity to vibration, with mechanical latching
- Knurled nut suitable for tool assembly

**Technical data**

**General specifications**

|                     |                |
|---------------------|----------------|
| Number of pins      | 5              |
| Connection 1        | socket         |
| Construction type 1 | straight       |
| Threading 1         | M12            |
| Connection 2        | Male connector |
| Construction type 2 | straight       |
| Threading 2         | M12            |

**Electrical specifications**

|                   |       |                        |
|-------------------|-------|------------------------|
| Operating voltage | $U_B$ | max. 48 V AC / 60 V DC |
| Operating current | $I_B$ | max. 4 A               |
| Volume resistance |       | < 5 m $\Omega$         |

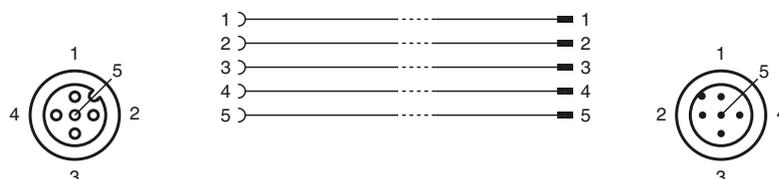
**Ambient conditions**

|                     |  |
|---------------------|--|
| Ambient temperature | Body: -40 ... 90 °C (-40 ... 194 °F)<br>cable, fixed: -40 ... 80 °C (-40 ... 176 °F)<br>cable, flexing: -25 ... 80 °C (-13 ... 176 °F) |
| Pollution degree    | 3  |

**Mechanical specifications**

|                        |  |
|------------------------|--|
| Contact elements       | spring-loaded contact socket                                 |
| Pin diameter           | 1 mm   |
| Degree of protection   | IP67   |
| Material               |  |
| Contacts               | CuSn / Au  |
| Contact surface        | Au   |
| Body                   | TPU, grey  |
| Cable                  | PUR resistant to weld spatter                                |
| Slotted nut            | Diecast zinc   |
| Sleeve connector       | Diecast zinc   |
| Core insulation        | PP   |
| Cable                  | extra-fine wire, flexible                                    |
| Sheath diameter        | $\varnothing$ 4.3 mm   |
| Bending radius         | > 10 x cable diameter, moving<br>> 5 x cable diameter, fixed |
| Color                  | grey   |
| Number of cores        | 5  |
| Core cross-section     | 0.34 mm <sup>2</sup>   |
| Conductor construction | 42 x 0.1 mm $\varnothing$                                    |
| Length                 | L 5 m  |
| Drag chain suitability |  |
| Drag chain cycles      | $\geq$ 5000000 (at max. 60 °C)                               |
| Motion velocity        | $\leq$ 3.3 m/s   |
| Traverse distance      | 5 m horizontal   |
| Acceleration           | $\leq$ 5 m/s <sup>2</sup>                                    |
| Torsion cycles         | $\geq$ 1000000 (at max. 60 °C)                               |

**Electrical connection**



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|   |                                     |
|---|-------------------------------------|
| Torsional stress                                | ± 180 °/m                           |
| Flammability                                    |                                     |
| Contact carrier                                 | 94 HB                               |
| Housing   | 94 V-2                              |
| Cable   | FT2                                 |
| <b>Compliance with standards and directives</b> |                                     |
| Standard conformity                             |                                     |
| Degree of protection                            | EN 60529                            |
| Halogen-free                                    | IEC 60754-1                         |
| Specification                                   | connector M12 x 1 : IEC 61076-2-101 |

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".