



**Dimensions**



**Model Number**

**V1-W-5M-PUR-H/S-V1-G**

Connecting cable, M12, 4-pin, irradiated PUR cable

**Features**

- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold-plated and machined contacts
- Protection degree IP67 / IP68 / IP69K
- Halogen-free
- Flexible sheathing

**Technical data**

**General specifications**

|                     |                |
|---------------------|----------------|
| Number of pins      | 4              |
| Connection 1        | socket         |
| Construction type 1 | right angle    |
| Threading 1         | M12            |
| Connection 2        | Male connector |
| Construction type 2 | straight       |
| Threading 2         | M12            |

**Electrical specifications**

|                    |       |                                |
|--------------------|-------|--------------------------------|
| Operating voltage  | $U_B$ | max. 300 V DC<br>max. 250 V AC |
| Operating current  |       | max. 4 A                       |
| Contact resistance |       | < 10 mΩ                        |

**Ambient conditions**

|                     |   |
|---------------------|---|
| Ambient temperature | 40 ... 90 °C (104 ... 194 °F)<br>cable, fixed: -50 ... 105 °C (-58 ... 221 °F)<br>cable, flexing: -40 ... 105 °C (-40 ... 221 °F) |
| Pollution Degree    | 3   |

**Mechanical specifications**

|                        |  |
|------------------------|--|
| Contact elements       | spring-loaded contact socket                                       |
| Pin diameter           | 1 mm   |
| Protection degree      | IP67 / IP68 / IP69K  |
| Material               |  |
| Contacts               | CuSn / Au  |
| Contact surface        | Au   |
| Body                   | TPU, black   |
| Cable                  | PUR, irradiated  |
| Slotted nut            | Diecast zinc   |
| Sleeve connector       | Diecast zinc   |
| Core insulation        | TPE-E  |
| Cable                  | fine-strand, flexible  |
| Sheath diameter        | Ø 4.8 mm   |
| Bending radius         | > 10 x cable diameter, moving<br>> 5 x cable diameter, single bend |
| Color                  | orange   |
| Cores                  | 4 x 0.34 mm <sup>2</sup>   |
| Conductor construction | 19 x 0.15 mm Ø   |
| Length                 | L 5 m  |
| Flammability           |  |
| Contact material       | 94 HB  |
| Housing                | 94 V-2   |

**Compliance with standards and directives**

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

**Electrical connection**



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|                   |                      |
|-------------------|----------------------|
| Protection degree | EN 60529:2000        |
| Standards         | IEC 61076-2-101:2008 |
| Flammability      | Grip: UL 94          |

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