



### Model Number

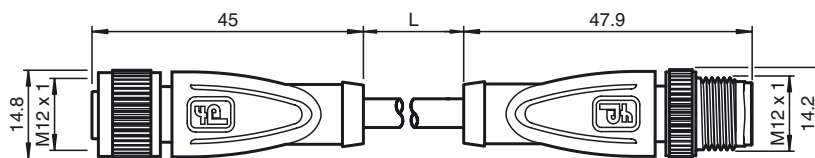
#### V1-G-YE10M-PVC-U-V1-G

Connecting cable, M12 to M12, PVC cable 4-pin

### Features

- UL Recognized Component
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold-plated and machined contacts
- Protection degree IP67 / IP68 / IP69K

### Dimensions



### Technical data

#### General specifications

|                     |                  |
|---------------------|------------------|
| Number of pins      | 4                |
| Connection 1        | female connector |
| Construction type 1 | straight         |
| Threading 1         | M12              |
| Connection 2        | Male connector   |
| Construction type 2 | straight         |
| Threading 2         | M12              |
| UL File Number      | E231213          |

#### Electrical specifications

|                   |                |                  |
|-------------------|----------------|------------------|
| Operating voltage | U <sub>B</sub> | max. 250 V AC/DC |
| Operating current |                | max. 4 A         |
| Volume resistance |                | < 5 mΩ           |

#### Ambient conditions

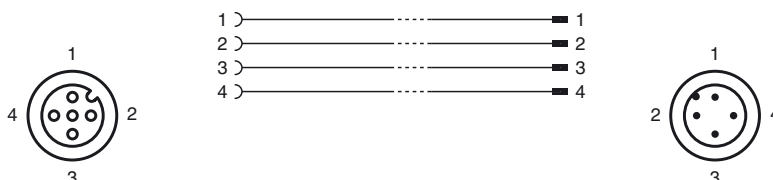
|                     |                                                                                                                                      |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Ambient temperature | Body: -40 ... 90 °C (-40 ... 194 °F)<br>cable, flexing: -25 ... 80 °C (-13 ... 176 °F)<br>cable, fixed: -5 ... 80 °C (23 ... 176 °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                  | PVC                                                           |
| Slotted nut            | Diecast zinc                                                  |
| Sleeve connector       | Diecast zinc                                                  |
| Core insulation        | PVC                                                           |
| Cable                  | fine-strand, flexible                                         |
| Sheath diameter        | Ø 4.3 mm                                                      |
| Bending radius         | > 15 x cable diameter, induced<br>> 5 x cable diameter, fixed |
| Color                  | yellow                                                        |
| Cores                  | 4 x 0.34 mm <sup>2</sup>                                      |
| Conductor construction | 19 x 0.15 mm Ø                                                |
| Length                 | L 10 m                                                        |
| Flammability           |                                                               |
| Contact material       | HB                                                            |
| Housing                | V-2                                                           |
| Cable                  | FT1                                                           |

#### Compliance with standards and directives

### Electrical connection





|                            |                                                   |
|----------------------------|---------------------------------------------------|
| Standard conformity        |                                                   |
| Protection degree          | EN 60529:2000                                     |
| Standards                  | IEC 61076-2-101:2008                              |
| Flammability               | Body: UL 94                                       |
|                            | Line: UL 1581 Section 1061; IEC 60332-1-2:2004    |
| Approvals and certificates |                                                   |
| UL approval                | cURus AWM 2095 AWM I/II A/B 80°C 300V FT1 (cable) |

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