

## Connection cable

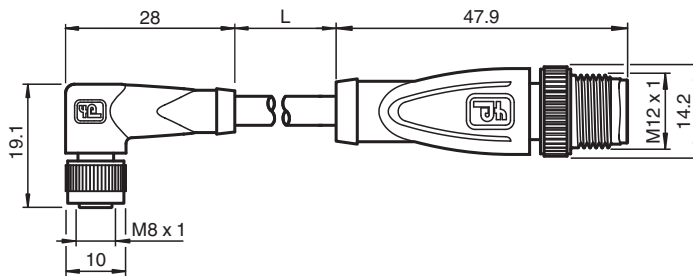
### V3-WM-E2-OR2M-POC-V11-G

- Built-in LED, as operating and function indicator
- Welding-bead resistant
- Suitable for robotic applications / torsion resistant
- Degree of protection IP67 / IP68 / IP69
- Free from substances that impair paint wetting
- Ozone resistant
- Hydrolysis resistant
- Oil resistant
- Halogen-free
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching

Cordset M8 socket angled A-coded LED 3-pin to M12 plug straight A-coded 3-pin, POC cable welding-bead resistant orange, suitable for robotic applications, torsion resistant, oil resistant, molecularly cross-linked



## Dimensions



## Technical Data

### General specifications

| Connector 1       |                  |
|-------------------|------------------|
| Connection        | socket           |
| Construction type | M8               |
| Style             | angled           |
| Locking           | screw connection |
| Number of pins    | 3                |
| Coding            | A-coded          |
| Connector 2       |                  |
| Connection        | plug             |
| Construction type | M12              |
| Style             | straight         |
| Locking           | screw connection |
| Number of pins    | 3                |

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

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## Technical Data

|  |                |   |
|--|----------------|---|
| Coding   |                | A-coded   |
| <b>Indicators/operating means</b>                |                |   |
| LED green  |                | Operating display   |
| LED yellow                                       |                | Functional display pin 4  |
| <b>Electrical specifications</b>                 |                |   |
| Operating voltage                                | U <sub>B</sub> | max. 24 V DC -20 % / +25 %  |
| Operating current                                | I <sub>B</sub> | max. 3 A  |
| <b>Conformity</b>                                |                |   |
| Degree of protection                             |                | EN 60529  |
| Plug connection                                  |                | connector M12 x 1 : IEC 61076-2-101<br>connector M8 x 1 : IEC 61076-2-104                 |
| Flammability                                     |                | IEC 60332-1-2 , ISO 14572 , ISO 6722  |
| Halogen-free                                     |                | IEC 60754-2   |
| Hydrolysis resistance                            |                | ISO 6722  |
| Oil resistance                                   |                | ISO 14572   |
| <b>Ambient conditions</b>                        |                |   |
| Ambient temperature                              |                |   |
| Plug connector                                   |                | -40 ... 90 °C (-40 ... 194 °F)  |
| Cable, fixed                                     |                | -40 ... 120 °C (-40 ... 248 °F) for 20000 h<br>-40 ... 150 °C (-40 ... 302 °F) for 3000 h |
| Cable, flexing                                   |                | -15 ... 120 °C (5 ... 248 °F) for 20000 h<br>-15 ... 150 °C (5 ... 302 °F) for 3000 h     |
| Pollution degree                                 |                | 3   |
| <b>Mechanical specifications</b>                 |                |   |
| Connector 1                                      |                |   |
| Tightening torque                                |                | 0.4 Nm  |
| Loosening protection                             |                | available   |
| Tool installation                                |                | straight knurling   |
| Mating cycles                                    |                | min. 100  |
| Degree of protection                             |                | IP67  |
| Connector 2                                      |                |   |
| Tightening torque                                |                | 0.6 Nm  |
| Loosening protection                             |                | available   |
| Tool installation                                |                | straight knurling   |
| Mating cycles                                    |                | min. 100  |
| Degree of protection                             |                | IP67 / IP68 / IP69  |
| Cable  |                |   |
| according to IEC/EN 60228 (DIN VDE 0295) class 5 |                |   |
| Sheath diameter                                  |                | 4.8 mm  |
| Bending radius                                   |                | > 10 x cable diameter, moving<br>> 10 x cable diameter, fixed                             |
| Sheath stripping force                           |                | max. 50 N / 300 mm  |
| Sheath color                                     |                | orange (similar to RAL 2003)  |
| Number of cores                                  |                | 4   |
| Core cross-section                               |                | 0.34 mm <sup>2</sup>  |
| Cores color                                      |                | Core 1: brown<br>Core 2: not used<br>Core 3: blue<br>Core 4: black                        |
| Core construction                                |                | 19 x 0.16 mm Ø  |
| Length   | L              | 2 m   |
| Cable code                                       |                | Li 7Y 41X 4 x 0,34  |
| Drag chain suitability                           |                |   |
| Torsion cycles                                   |                | min. 300000   |
| Torsional stress                                 |                | ± 360 °/30 cm   |
| <b>Material</b>                                  |                |   |
| LABS free  |                | yes   |

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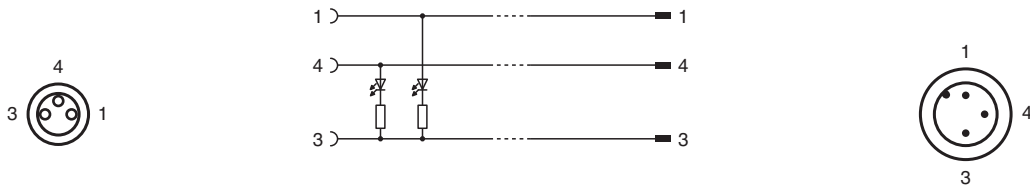
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### Technical Data

|                          |                             |
|--------------------------|-----------------------------|
| Halogen-free             | yes                         |
| Plug connector           |                             |
| Screw connection         | Zinc diecast, nickel-plated |
| Body                     | TPU, transparent/black      |
| Contact surface          | Au                          |
| Flammability             | V-2                         |
| Cable                    |                             |
| Sheathing                | POC                         |
| Core insulation          | ETFE                        |
| Welding-bead resistance  | yes                         |
| Weld spatter resistance  | yes                         |
| Oil resistance           | yes                         |
| Hydrolysis resistance    | yes                         |
| Flammability             | flame-resistant             |
| Molecularly cross-linked | yes                         |

### Connection Assignment



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