



## Model Number

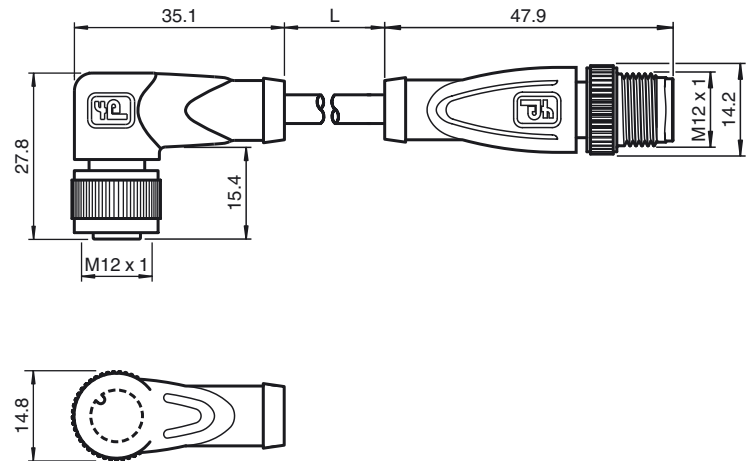
### V1-W-OR5M-POC-V1-G

Cordset M12 socket to M12 plug A-coded, 4-pin, TPE cable welding-bead resistant orange

## Features

- Resistant to welding bead formation
- Suitable for robotic applications / torsion resistant
- Does not give off silicone
- Ozone resistant
- Hydrolysis resistant
- Halogen-free
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold plated contacts
- Degree of protection IP67 / IP68 / IP69

## Dimensions



## Technical data

### General specifications

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

### Electrical specifications

|                   |       |                  |
|-------------------|-------|------------------|
| Operating voltage | $U_B$ | max. 250 V AC/DC |
| Operating current | $I_B$ | max. 4 A         |

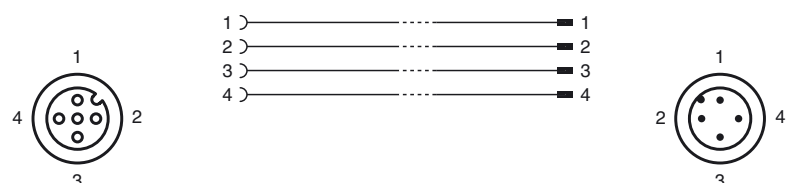
### Ambient conditions

|                     |                                                                                                                                                                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ambient temperature | Body: -40 ... 90 °C (-40 ... 194 °F)<br>Cable, flexing:<br>-15 ... 120 °C (5 ... 248 °F) for 20000 h<br>-15 ... 150 °C (5 ... 302 °F) for 3000 h<br>cable, fixed:<br>-40 ... 120 °C (-40 ... 248 °F) for 20000 h<br>-40 ... 150 °C (-40 ... 302 °F) for 3000 h |
| Pollution degree    | 3                                                                                                                                                                                                                                                              |

### Mechanical specifications

|                      |                                                                 |
|----------------------|-----------------------------------------------------------------|
| Contact elements     | spring-loaded contact socket                                    |
| Degree of protection | IP67 / IP68 / IP69                                              |
| Cable code           | Li 7Y-41X 4 x 0.34                                              |
| Material             |                                                                 |
| Contacts             | CuZn                                                            |
| Contact surface      | Au                                                              |
| Body                 | TPU, black                                                      |
| Cable                | TPE resistant to welding bead formation                         |
| Slotted nut          | Diecast zinc                                                    |
| Sleeve connector     | Diecast zinc                                                    |
| Core insulation      | ETFE                                                            |
| 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   |
| Color                | orange                                                          |
| Number of cores      | 4                                                               |
| Core cross-section   | 0.34 mm <sup>2</sup>                                            |
| Cores color          | Core 1: brown<br>Core 2: white<br>Core 3: blue<br>Core 4: black |

## Electrical connection





|                                                 |                                                                |
|-------------------------------------------------|----------------------------------------------------------------|
| Conductor construction                          | 19 x 0.16 mm Ø                                                 |
| Length                                          | L 5 m                                                          |
| Flammability                                    |                                                                |
| Contact carrier                                 | HB                                                             |
| Housing                                         | V-2                                                            |
| Cable                                           | flame-resistant                                                |
| <b>Compliance with standards and directives</b> |                                                                |
| Standard conformity                             |                                                                |
| Degree of protection                            | EN 60529                                                       |
| Flammability                                    | IEC 60332-1-2<br>Flame-retardant as per ISO 14572 and ISO 6722 |
| Halogen-free                                    | IEC 60754-2                                                    |
| Specification                                   | connector M12 x 1 : IEC 61076-2-101                            |

Release date: 2020-03-04 13:41 Date of issue: 2020-03-04 233482\_eng.xml