



Model Number

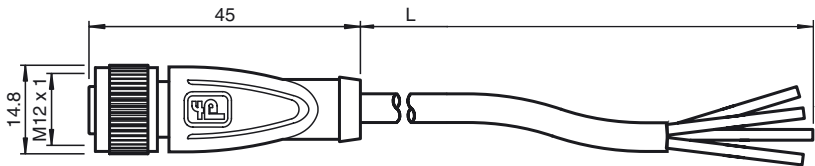
V1-G-OR3M-POC

Female cordset single-ended M12 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 | straight  |
| Threading 1         | M12       |
| Coding 1            | A-coded   |
| Connection 2        | cable end |

Electrical specifications

|                   |                |                  |
|-------------------|----------------|------------------|
| Operating voltage | U <sub>B</sub> | max. 250 V AC/DC |
| Operating current | I <sub>B</sub> | max. 4 A         |

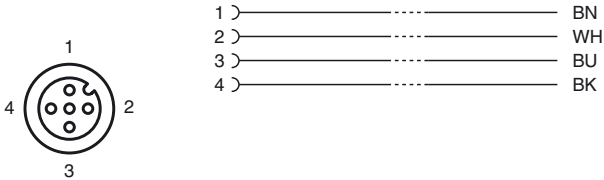
Ambient conditions

|                     |                                                                                                                                                                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                    |
| 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 |
| Conductor construction | 19 x 0.16 mm Ø                                                  |
| Length                 | L 3 m                                                           |
| Flammability           |                                                                 |
| Contact carrier        | HB                                                              |

Electrical connection



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|                                                 |                                                                |
|-------------------------------------------------|----------------------------------------------------------------|
| 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                            |