



Model Number

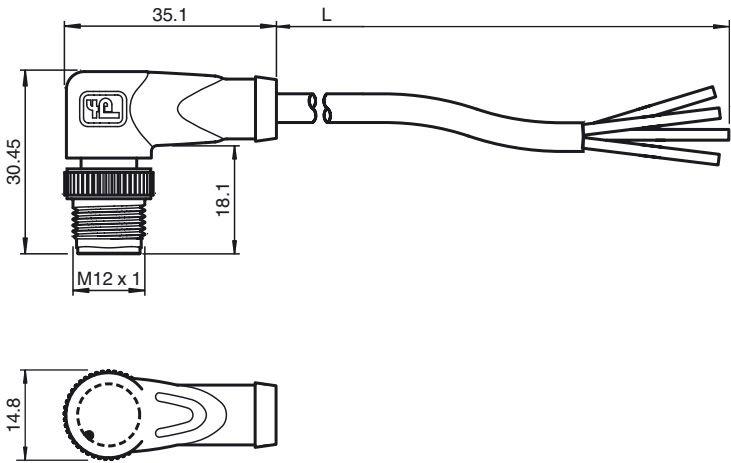
V1S-W-OR5M-POC

Male 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

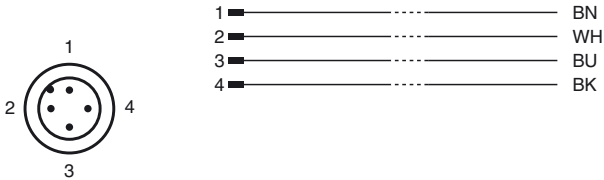
Dimensions



Technical data

| General specifications    |                                                                                                                                                                                                                                                               |                  |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Number of pins            | 4                                                                                                                                                                                                                                                             |                  |
| Connection 1              | Male connector                                                                                                                                                                                                                                                |                  |
| Construction type 1       | right angle                                                                                                                                                                                                                                                   |                  |
| 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                                                                                                                                                                                                                                                             | 5 m              |
| Flammability              |                                                                                                                                                                                                                                                               |                  |
| Contact carrier           | HB                                                                                                                                                                                                                                                            |                  |

Electrical connection



Release date: 2020-02-21 13:22 Date of issue: 2020-02-21 240772-100019\_eng.xml



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

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