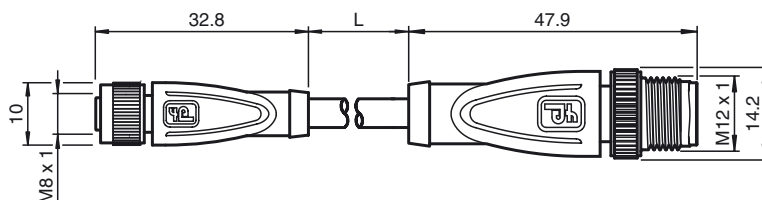




Dimensions



Model Number

V31-GM-OR0,6M-POC-V1-G

Cordset M8 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

Technical data

General specifications

| | |
|---------------------|----------------|
| Number of pins | 4 |
| Connection 1 | socket |
| Construction type 1 | straight |
| Threading 1 | M8 |
| 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. 30 V AC/DC |
| Operating current | I_B | max. 3 A |

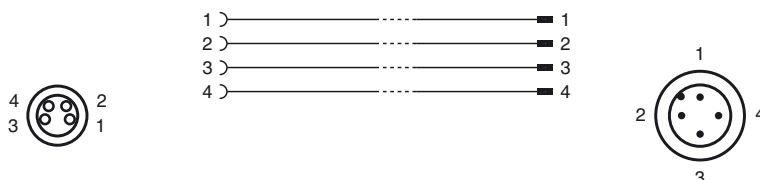
Ambient conditions

| | |
|---------------------|--|
| Ambient temperature | Body: -40 ... 90 °C (-40 ... 194 °F) Cable, flexing: -15 ... 120 °C (5 ... 248 °F) for 20000 h -15 ... 150 °C (5 ... 302 °F) for 3000 h cable, fixed: -40 ... 120 °C (-40 ... 248 °F) for 20000 h -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 > 10 x cable diameter, fixed |
| Color | orange |
| Number of cores | 4 |
| Core cross-section | 0.34 mm ² |
| Cores color | Core 1: brown Core 2: white Core 3: blue Core 4: black |

Electrical connection



Release date: 2020-03-04 13:41 Date of issue: 2020-03-04 317185_eng.xml

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

| | | |
|---|---|-------|
| Conductor construction | 19 x 0.16 mm Ø | |
| Length | L | 0.6 m |
| Flammability | | |
| Contact carrier | HB | |
| Housing | V-2 | |
| Cable | flame-resistant | |
| Compliance with standards and directives | | |
| Standard conformity | | |
| Degree of protection | EN 60529 | |
| Flammability | IEC 60332-1-2 Flame-retardant as per ISO 14572 and ISO 6722 | |
| Halogen-free | IEC 60754-2 | |
| Specification | connector M12 x 1 : IEC 61076-2-101 connector M8 x 1 : IEC 61076-2-104 | |

Release date: 2020-03-04 13:41 Date of issue: 2020-03-04 317165_eng.xml