

Model Number

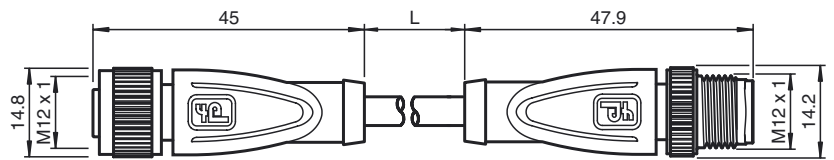
V1-G-E8W-OR1,2M-POC-V1-G

Connection cable, M12 to M12, 4-pin, TPE cable, welding-bead resistant

Features

- Resistant to welding bead formation
- Suitable for robotic applications / torsion resistant
- Does not give off silicone
- Ozone resistant
- Built-in LED, as operating and function indicator
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold-plated and machined contacts
- Protection degree IP67 / IP68 / IP69K

Dimensions



Technical data

General specifications

| | |
|---------------------|------------------|
| Number of pins | 4 |
| Connection 1 | female connector |
| Construction type 1 | straight |
| Threading 1 | M12 |
| Connection 2 | Male connector |
| Construction type 2 | straight |
| Threading 2 | M12 |

Indicators/operating means

| | |
|------------|-------------------------|
| LED green | Operating display |
| LED yellow | Functional display NO 4 |
| LED white | Functional display NO 2 |

Electrical specifications

| | | |
|-------------------|-------|------------------------|
| Operating voltage | U_B | max. 24 V DC \pm 15% |
| Operating current | | max. 4 A |
| Volume resistance | | < 5 m Ω |

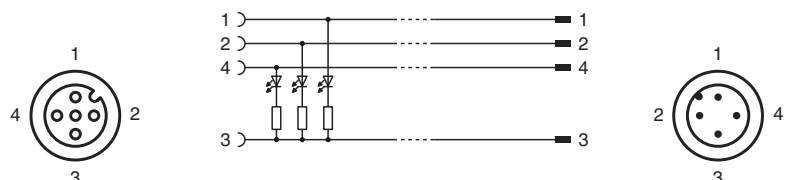
Ambient conditions

| | |
|---------------------|---|
| 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 |
| Pin diameter | 1 mm |
| Protection degree | IP67 / IP68 / IP69k |
| Material | |
| Contacts | CuSn / Au |
| Contact surface | Au |
| Body | TPU, transparent |
| Cable | TPE resistant to welding bead formation |
| Slotted nut | Diecast zinc |
| Sleeve connector | Diecast zinc |
| Core insulation | ETFE |
| Cable | |
| Cable | fine-strand, flexible |
| Sheath diameter | \varnothing 4.8 mm |
| Bending radius | > 10 x cable diameter, moving |
| Color | orange |
| Cores | 4 x 0.34 mm ² |
| Conductor construction | 19 x 0.16 mm \varnothing |
| Length | L 1.2 m |

Electrical connection



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Subject to modifications without notice

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Flammability

| | |
|------------------|-----------------|
| Contact material | HB |
| Housing | V-2 |
| Wire | flame-resistant |

Compliance with standards and directives

| | |
|---------------------|---|
| Standard conformity | |
| Protection degree | EN 60529:2000 |
| Standards | IEC 61076-2-101:2008 |
| Flammability | Body: UL 94 Line: UL 1581 Section 1061; IEC 60332-2:2004 |

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