

Connection cable

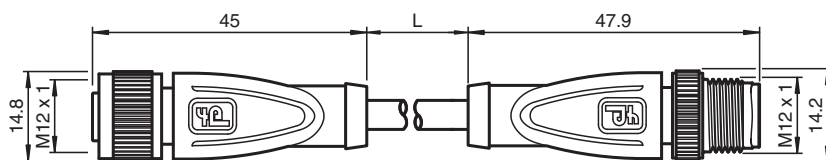
V1-G-OR3,5M-POC-V1-G

- Welding-bead resistant
- Suitable for robotic applications / torsion resistant
- Degree of protection IP67 / IP68 / IP69
- Free from substances that impair paint wetting
- Ozone resistant
- Hydrolysis resistant
- Oil resistant
- Halogen-free
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching

Cordset M12 socket straight to M12 plug straight A-coded, 4-pin, POC cable welding-bead resistant orange, suitable for robotic applications, torsion resistant, oil resistant, molecularly cross-linked



Dimensions



Technical Data

General specifications

| | |
|--------------------|------------------|
| Connector 1 | |
| Connection | socket |
| Construction type | M12 |
| Style | straight |
| Locking | screw connection |
| Number of pins | 4 |
| Coding | A-coded |
| Connector 2 | |
| Connection | plug |
| Construction type | M12 |
| Style | straight |
| Locking | screw connection |
| Number of pins | 4 |
| Coding | A-coded |

Electrical specifications

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

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PEPPERL+FUCHS

Technical Data

| | | |
|----------------------------------|----------------|---|
| Operating voltage | U _B | max. 250 V AC/DC |
| Operating current | I _B | max. 4 A |
| Conformity | | |
| Degree of protection | | EN 60529 |
| Plug connection | | connector M12 x 1 : IEC 61076-2-101 |
| Flammability | | IEC 60332-1-2 , ISO 14572 , ISO 6722 |
| Halogen-free | | IEC 60754-2 |
| Hydrolysis resistance | | ISO 6722 |
| Oil resistance | | ISO 14572 |
| Ambient conditions | | |
| Ambient temperature | | |
| Plug connector | | -40 ... 90 °C (-40 ... 194 °F) |
| Cable, fixed | | -40 ... 120 °C (-40 ... 248 °F) for 20000 h -40 ... 150 °C (-40 ... 302 °F) for 3000 h |
| Cable, flexing | | -15 ... 120 °C (5 ... 248 °F) for 20000 h -15 ... 150 °C (5 ... 302 °F) for 3000 h |
| Pollution degree | | 3 |
| Mechanical specifications | | |
| Plug connector | | |
| Tightening torque | | 0.6 Nm |
| Loosening protection | | available |
| Tool installation | | straight knurling |
| Mating cycles | | min. 100 |
| Degree of protection | | IP67 / IP68 / IP69 |
| 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 |
| Sheath stripping force | | max. 50 N / 300 mm |
| Sheath color | | orange (similar to RAL 2003) |
| 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 |
| Core construction | | 19 x 0.16 mm Ø |
| Length | L | 3.5 m |
| Cable code | | Li 7Y 41X 4 x 0,34 |
| Drag chain suitability | | |
| Torsion cycles | | min. 300000 |
| Torsional stress | | ± 360 °/ 30 cm |
| Material | | |
| LABS free | | yes |
| Halogen-free | | yes |
| Plug connector | | |
| Screw connection | | Zinc diecast, nickel-plated |
| Body | | TPU, black |
| Contact surface | | Au |
| Flammability | | V-2 |
| Cable | | |
| Sheathing | | POC |
| Core insulation | | ETFE |
| Welding-bead resistance | | yes |
| Weld spatter resistance | | yes |

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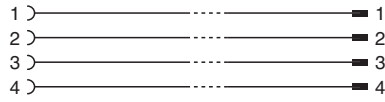
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 PEPPERL+FUCHS

Technical Data

| | |
|--------------------------|-----------------|
| Oil resistance | yes |
| Hydrolysis resistance | yes |
| Flammability | flame-resistant |
| Molecularly cross-linked | yes |

Connection Assignment



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