



Model Number

V15-G-BK10M-PUR-U-V15-G

Connection cable, M12 to M12, 5-pin, PUR cable

Features

- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold plated contacts
- Degree of protection IP67 / IP68 / IP69K
- Halogen-free
- Suitable for 2-, 3- and 4-wire technology
- Raw cable with cURus approval
- Flame resistant cable
- Resistant to microbes and hydrolysis
- Suitable for drag chains

Dimensions



Technical data

General specifications

| | |
|---------------------|----------------|
| Number of pins | 5 |
| Connection 1 | socket |
| Construction type 1 | straight |
| Threading 1 | M12 |
| Connection 2 | Male connector |
| Construction type 2 | straight |
| Threading 2 | M12 |
| UL File Number | E231213 |

Electrical specifications

| | | |
|-------------------|----------------|------------------------|
| Operating voltage | U _B | max. 48 V AC / 60 V DC |
| Operating current | I _B | max. 4 A |
| Volume resistance | | < 5 mΩ |

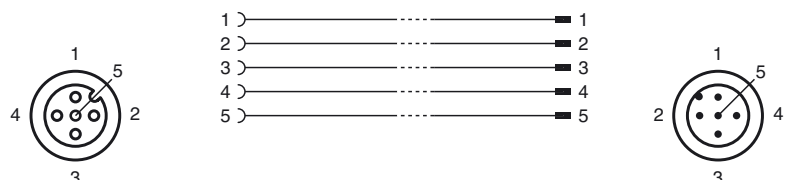
Ambient conditions

| | |
|---------------------|--|
| Ambient temperature | Body: -40 ... 90 °C (-40 ... 194 °F) cable, fixed: -40 ... 80 °C (-40 ... 176 °F) cable, flexing: -25 ... 80 °C (-13 ... 176 °F) |
| Pollution degree | 3 |

Mechanical specifications

| | |
|-------------------------------|--|
| Contact elements | spring-loaded contact socket |
| Pin diameter | 1 mm |
| Degree of protection | IP67 / IP68 / IP69K |
| Cable code | Li 9Y 11Y 5 x 0.34 |
| Material | |
| Contacts | CuSn / Au |
| Contact surface | Au |
| Body | TPU, black |
| Cable | PUR |
| Slotted nut | Diecast zinc |
| Sleeve connector | Diecast zinc |
| Core insulation | PP |
| Cable | extra-fine wire, flexible |
| Sheath diameter | Ø4.8 mm |
| Bending radius | > 10 x cable diameter, moving > 5 x cable diameter, fixed |
| Color | black |
| Number of cores | 5 |
| Core cross-section | 0.34 mm ² |
| Conductor construction | 42 x 0.1 mm Ø |
| Length | L 10 m |
| Drag chain suitability | |
| Drag chain cycles | ≥ 5000000 |
| Motion velocity | ≤ 3.3 m/s |
| Torsion cycles | ≥ 1000000 |

Electrical connection



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

| | |
|---|---|
| Torsional stress | ± 180 °/m |
| Flammability | |
| Contact carrier | 94 V-2 |
| Housing | 94 V-2 |
| Cable | FT2 |
| Compliance with standards and directives | |
| Standard conformity | |
| Flammability | Body: UL 94 Line: UL 1581 Section 1061; IEC 60332-1-2:2004 |
| Halogen-free | IEC 60754-1:1994 |
| Specification | connector M12 x 1 : IEC 61076-2-101 |
| Approvals and certificates | |
| UL approval | UL Recognized General purpose |
| Maximum permissible operating voltage | ≤ 30 V |
| Maximum permissible ambient temperature | ≤ 80 °C (≤ 176 °F) |

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