



Model Number

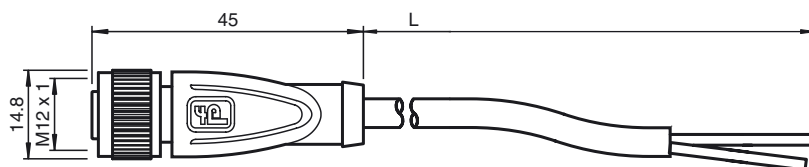
V1-G-N-20M-PUR

Female cordset, M12, 2-pin, NAMUR, PUR cable

Features

- Suitable for NAMUR technology
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold plated contacts
- Degree of protection IP67 / IP68 / IP69K
- Blue sheath
- Suitable for routing intrinsically safe circuits in accordance with DIN EN 60079-14:2014

Dimensions



Technical data

General specifications

| | |
|---------------------|-----------|
| Number of pins | 2 |
| Connection 1 | socket |
| Construction type 1 | straight |
| Threading 1 | M12 |
| Connection 2 | cable end |

Electrical specifications

| | | |
|--------------------|-------|------------------|
| Operating voltage | U_B | max. 250 V AC/DC |
| Operating current | I_B | max. 4 A |
| Contact resistance | | < 10 m Ω |
| Inductance | | 0.6 mH / km |
| Capacitance | | 82 nF / km |

Ambient conditions

| | |
|---------------------|---|
| Ambient temperature | Body: -40 ... 90 °C (-40 ... 194 °F) cable, fixed: -40 ... 80 °C (-40 ... 176 °F) cable, flexing: -20 ... 80 °C (-4 ... 176 °F) |
| Pollution degree | 3 |

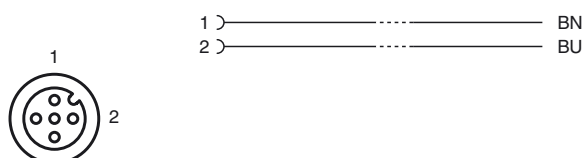
Mechanical specifications

| | |
|------------------------|---|
| Contact elements | spring-loaded contact socket |
| Pin diameter | 1 mm |
| Degree of protection | IP67 / IP68 / IP69k |
| Cable code | Li FY 11Y 2 x 0.34 |
| Material | |
| Contacts | CuSn / Au |
| Contact surface | Au |
| Body | TPU, black |
| Cable | PUR |
| Slotted nut | Diecast zinc |
| Core insulation | PVC |
| Cable | extra-fine wire, flexible |
| Sheath diameter | \varnothing 4.8 mm |
| Bending radius | > 15 x cable diameter, moving > 10 x cable diameter, fixed |
| Color | blue |
| Number of cores | 2 |
| Core cross-section | 0.34 mm ² |
| Conductor construction | 42 x 0.1 mm \varnothing |
| Length | L 20 m |
| Flammability | |
| Contact carrier | 94 HB |
| Housing | 94 V-2 |

Compliance with standards and directives

Standard conformity

Electrical connection





Degree of protection

EN 60529:2000

Standards

IEC 61076-2-101:2008

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