



Model Number

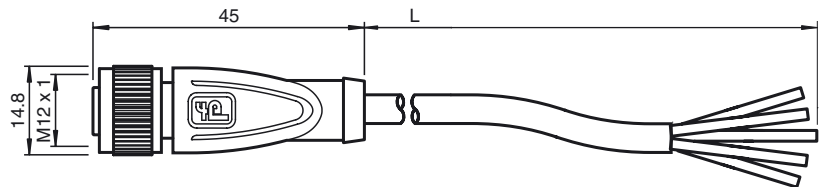
V15-G-BK2M-PUR-U

Female cordset, M12, 5-pin, PUR cable

Features

- UL Recognized Component
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Degree of protection IP67 / IP68 / IP69K
- Flame resistant cable
- Halogen-free

Dimensions



Technical data

General specifications

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

Electrical specifications

| | | |
|-------------------|-------|-----------------|
| Operating voltage | U_B | max. 60 V AC/DC |
| Operating current | I_B | max. 4 A |
| Volume resistance | | < 5 m Ω |

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 |

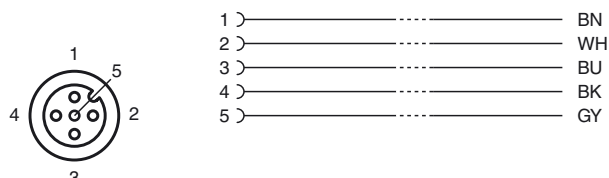
Mechanical specifications

| | |
|------------------------|--|
| Degree of protection | IP67 / IP68 / IP69k |
| Material | |
| Contacts | CuSn |
| Contact surface | Ni/Au |
| Body | TPU, black |
| Cable | PUR |
| Slotted nut | Zinc die-casting, nickel-plated |
| Core insulation | PP |
| Cable | extra-fine wire, flexible |
| Sheath diameter | \varnothing 5 mm |
| Bending radius | > 10 x cable diameter, moving > 5 x cable diameter, fixed |
| Color | dark grey (RAL 7021) |
| Cores | 22 AWG |
| Number of cores | 5 |
| Core cross-section | 0.34 mm ² |
| Conductor construction | 42 x 0.1 mm \varnothing |
| Length | L 2 m |
| Flammability | |
| Contact carrier | HB |
| Housing | V-2 |
| Cable | FT2 |

Compliance with standards and directives

| | |
|----------------------|----------------------|
| Standard conformity | |
| Degree of protection | EN 60529:2000 |
| Standards | IEC 61076-2-101:2008 |

Electrical connection



| | |
|--------------|---|
| Flammability | Body: UL 94 Line: UL 1581 Section 1061; IEC 60332-1-2:2004 |
| Halogen-free | IEC 60754-1:1994 |

Approvals and certificates

| | |
|---|-------------------------------|
| UL approval | UL Recognized General purpose |
| Maximum permissible operating voltage | ≤ 30 V |
| Maximum permissible ambient temperature | ≤ 80 °C (≤ 176 °F) |

Accessories

MH V1-SCREWDRIVER
torque screwdriver (0.6 Nm)

MH V1-BIT M12
plug-in cap M12

V1/V3-LABELHOLDER
Label holder

V1/V3-LABEL
Label plate

MH V1-Holder
Modular universal holder for M12 connectors

V1-MARKING-RING-BLUE
Marking ring for M12 plug

V1-MARKING-RING-GREEN
Marking ring for M12 plug

V1-MARKING-RING-ORANGE
Marking ring for M12 plug

V1-MARKING-RING-RED
Marking ring for M12 plug

V1-MARKING-RING-WHITE
Marking ring for M12 plug

V1-MARKING-RING-YELLOW
Marking ring for M12 plug