



Model Number

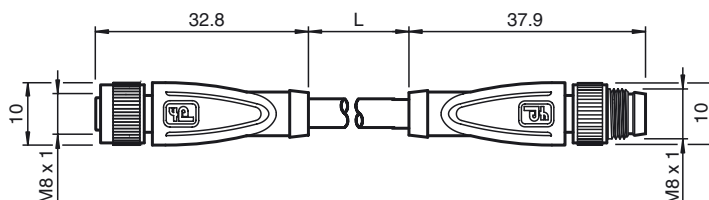
V31-GM-BK2M-PUR-U-V31-GM

Connection cable, M8

Features

- Raw cable with cURus approval
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold-plated and machined contacts
- Halogen-free
- Flame resistant cable
- Resistant to microbes and hydrolysis

Dimensions



Technical data

General specifications

| | |
|----------------|---------|
| Number of pins | 4 |
| UL File Number | E231213 |

Electrical specifications

| | | |
|-------------------|-------|----------------------------|
| Operating voltage | U_B | max. 30 V AC/DC |
| Test voltage | | > 1500 V _{eff} AC |
| Operating current | I_B | max. 3 A |
| Volume resistance | | < 5 mΩ |

Ambient conditions

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

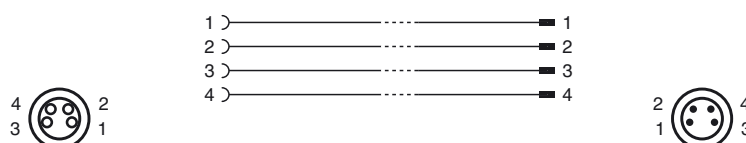
Mechanical specifications

| | |
|------------------------|--|
| Contact elements | spring-loaded contact socket |
| Pin diameter | 1 mm |
| Degree of protection | IP67 |
| Material | |
| Contacts | CuSn / Au |
| Contact surface | Au |
| Body | TPU, black |
| Cable | PUR |
| Slotted nut | Diecast zinc |
| Sleeve connector | Diecast zinc |
| Core insulation | PP |
| Cable | fine-strand, flexible |
| Sheath diameter | Ø 4.3 mm |
| Bending radius | > 10 x cable diameter, moving > 5 x cable diameter, fixed |
| Color | black |
| Number of cores | 4 |
| Core cross-section | 0.34 mm ² |
| Conductor construction | 42 x 0.1 mm Ø |
| Length | L 2 m |
| Flammability | |
| Contact carrier | 94 HB |
| Housing | 94 V-2 |

Approvals and certificates

| | |
|-------------|--|
| UL approval | cURus AWM 20549 AWM I/II A/B 80°C 300V FT2 (cable) |
|-------------|--|

Electrical connection



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