



Model Number

V3-GM-BK0,6M-PUR-U-V3-GM

Connection cable, M8 to M8, 3-pin, PUR cable

Features

- UL Recognized Component
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold plated contacts
- Flame resistant cable
- Resistant to microbes and hydrolysis
- Halogen-free
- Suitable for drag chains

Accessories

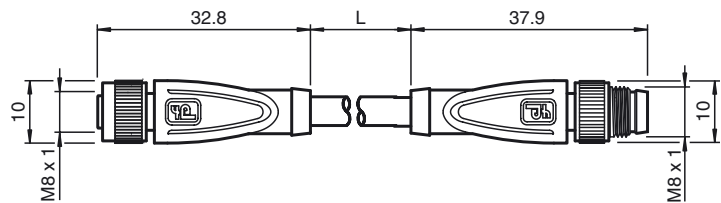
MH V3-SCREWDRIVER
torque screwdriver (0.4 Nm)

MH V3-BIT M8
plug-in cap for M8

MH V3-Holder
Modular universal holder for M8 connectors

V1/V3-LABEL
Label plate

Dimensions



Technical data

General specifications

| | |
|---------------------|----------------|
| Number of pins | 3 |
| Connection 1 | socket |
| Construction type 1 | straight |
| Threading 1 | M8 |
| Connection 2 | Male connector |
| Construction type 2 | straight |
| Threading 2 | M8 |
| UL File Number | E231213 |

Electrical specifications

| | | |
|-------------------|-------|----------------|
| Operating voltage | U_B | max. 60 V DC |
| Operating current | I_B | max. 3 A |
| Volume resistance | | < 5 m Ω |

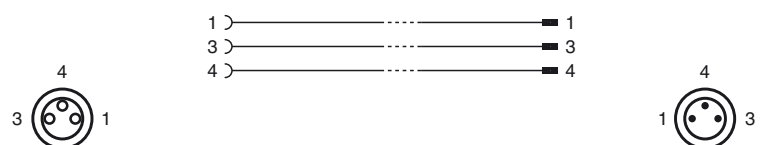
Ambient conditions

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

Mechanical specifications

| | |
|------------------------|--|
| Contact elements | spring-loaded contact socket |
| Pin diameter | 1 mm |
| Degree of protection | IP67 |
| Cable code | Li 9Y 11Y 3 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 | \varnothing 4.3 mm |
| Bending radius | > 10 x cable diameter, moving > 5 x cable diameter, fixed |
| Color | black |
| Number of cores | 3 |
| Core cross-section | 0.34 mm ² |
| Conductor construction | 42 x 0.1 mm \varnothing |
| Length | L 0.6 m |
| Drag chain suitability | |
| Drag chain cycles | \geq 5000000 |
| Motion velocity | \leq 3.3 m/s |
| Acceleration | \leq 5 m/s ² |

Electrical connection



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| | |
|-----------------------------------|--|
| Torsional stress | ± 180 °/m |
| Flammability | |
| Cable | FT2 |
| Approvals and certificates | |
| UL approval | cURus AWM 20549 AWM I/II A/B 80°C 300V FT2 (cable) |

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