



Model Number

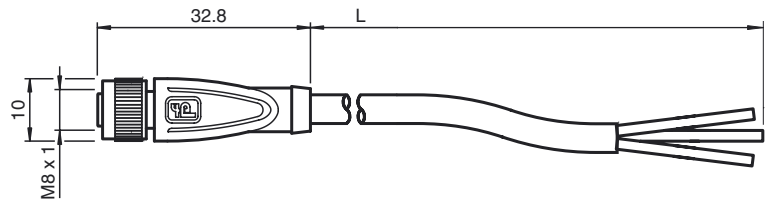
V3-GM-BK5M-PUR-U

Cable socket, 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

Dimensions



Technical data

General specifications

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

Electrical specifications

| | | |
|-------------------|-------|----------------------------|
| Operating voltage | U_B | max. 60 V DC |
| Test voltage | | > 1500 V _{eff} AC |
| Operating current | | 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) |
| Pollution Degree | 3 |

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 |
| Core insulation | PP |
| Cable | extra-fine wire, flexible |
| Sheath diameter | Ø 4.3 mm |
| Bending radius | > 10 x cable diameter, moving > 5 x cable diameter, fixed |
| Color | black |
| Cores | 3 x 0.34 mm ² |
| Conductor construction | 42 x 0.1 mm Ø |
| Length | L 5 m |

Drag chain suitability

| | |
|-------------------|----------------------|
| Drag chain cycles | ≥ 5000000 |
| Motion velocity | ≤ 3.3 m/s |
| Acceleration | ≤ 5 m/s ² |
| Torsional stress | ± 180 °/m |

Flammability

| | |
|------------------|--------|
| Contact material | 94 HB |
| Housing | 94 V-2 |

Electrical connection



| | | |
|---|-------|----|
| 1 | ----- | BN |
| 3 | ----- | BU |
| 4 | ----- | BK |



| | |
|-------------------------------------------------|---------------------------------------------------------------|
| Cable | FT2 |
| Compliance with standards and directives | |
| Standard conformity | |
| Degree of protection | EN 60529:2000 |
| Standards | IEC 61076-2-101:2008 |
| Flammability | Body: UL 94 Line: UL 1581 Section 1061; IEC 60332-1-2:2004 |
| Approvals and certificates | |
| UL approval | cURus AWM 20549 AWM I/II A/B 80°C 300V FT2 (cable) |

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