



Model Number

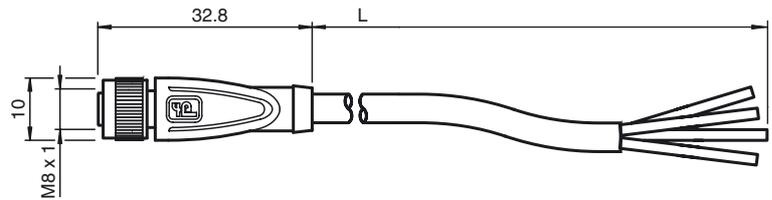
V31-GM-BK2M-PUR-U

Female cordset, M8, 4-pin, PUR cable

Features

- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Raw cable with cURus approval
- Gold plated contacts
- Flame resistant cable
- Halogen-free
- Suitable for drag chains
- Suitable for 2-, 3- and 4-wire technology
- 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 DC |
| Operating current | I_B | max. 3 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: -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 | \varnothing 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 \varnothing |
|------------------------|---------------------------|

| | | |
|--------|---|-----|
| Length | L | 2 m |
|--------|---|-----|

Drag chain suitability

| | |
|-------------------|--------------------------------|
| Drag chain cycles | \geq 5000000 (at max. 60 °C) |
| Motion velocity | \leq 3.3 m/s |
| Torsional stress | \pm 180 °/m |

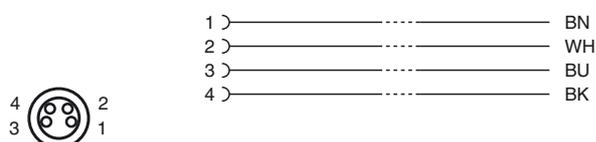
Flammability

| | |
|-----------------|--------|
| Contact carrier | 94 HB |
| Housing | 94 V-2 |
| Cable | FT2 |

Compliance with standards and directives

| | |
|----------------------|---------------|
| Standard conformity | |
| Degree of protection | EN 60529:2000 |

Electrical connection





| | |
|---|---|
| Standards | IEC 61076-2-104:2008 |
| Flammability | Body: UL 94 Line: UL 1581 Section 1061; IEC 60332-1-2:2004 |
| Halogen-free | IEC 60754-1:1994/DIN VDE 0472-815 |
| Approvals and certificates | |
| UL approval | cURus AWM 20549 AWM I/II A/B 80°C 300V FT2 (cable) |
| Maximum permissible operating voltage | ≤ 30 V |
| Maximum permissible ambient temperature | ≤ 80 °C (≤ 176 °F) |

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