



Model Number

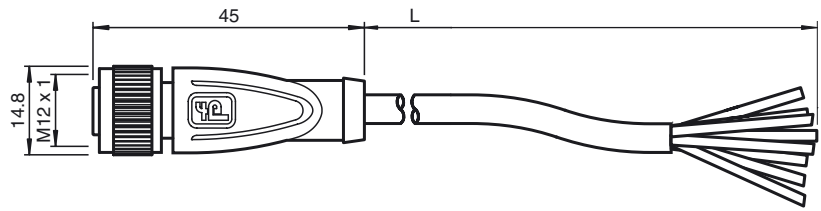
V19-G-BK20M-PVC-U

Female cordset, M12, 8-pin, PVC 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
- Degree of protection IP67 / IP68 / IP69K

Dimensions



Technical data

General specifications

| | |
|----------------|---------|
| Number of pins | 8 |
| UL File Number | E231213 |

Electrical specifications

| | | |
|-------------------|-------|-----------------|
| Operating voltage | U_B | max. 30 V AC/DC |
| Operating current | I_B | max. 2 A |
| Volume resistance | | < 5 m Ω |

Ambient conditions

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

| | |
|------------------|---|
| Pollution degree | 3 |
|------------------|---|

Mechanical specifications

| | |
|------------------------|---|
| Contact elements | spring-loaded contact socket |
| Pin diameter | 1 mm |
| Degree of protection | IP67 / IP68 / IP69k |
| Material | |
| Contacts | CuSn / Au |
| Contact surface | Au |
| Body | TPU, black |
| Cable | PVC |
| Slotted nut | Diecast zinc |
| Seal | FKM |
| Core insulation | PP |
| Cable | extra-fine wire, flexible |
| Sheath diameter | \varnothing 6.3 mm |
| Bending radius | > 10 x cable diameter, appropriate for conveyor chains > 5 x cable diameter, fixed |
| Color | black |
| Number of cores | 8 |
| Core cross-section | 0.34 mm ² |
| Conductor construction | 42 x 0.1 mm \varnothing |
| Length | L 20 m |
| Flammability | |
| Contact carrier | HB |
| Housing | V-2 |

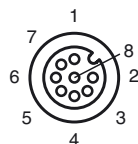
Compliance with standards and directives

| | |
|----------------------|--|
| Standard conformity | |
| Degree of protection | EN 60529:2000 |
| Flammability | Grip: UL 94 Cable: UL 1581 Section 1100; IEC 60332-1-2:2004 |

Approvals and certificates

| | |
|-------------|-------------------------------|
| UL approval | UL Recognized General purpose |
|-------------|-------------------------------|

Electrical connection



| | | |
|-----|-------|----|
| 1) | | WH |
| 2) | | BN |
| 3) | | GN |
| 4) | | YE |
| 5) | | GY |
| 6) | | PK |
| 7) | | BU |
| 8) | | RD |



Maximum permissible operating voltage ≤ 30 V

Maximum permissible ambient temperature ≤ 80 °C (≤ 176 °F)

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