



### Model Number

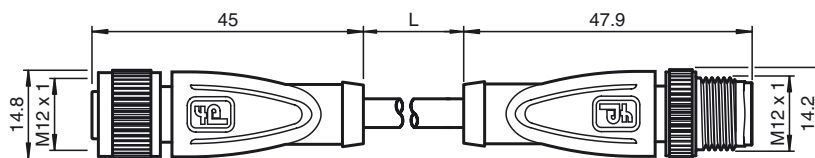
#### V19-G-BK2M-PUR-U/ABG-V19-G

Connecting cable, M12 to M12, 8-pin, shielded, 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
- Degree of protection IP67 / IP68 / IP69K

### Dimensions



### Technical data

#### General specifications

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

#### Electrical specifications

|                   |       |                 |
|-------------------|-------|-----------------|
| Operating voltage | $U_B$ | max. 30 V AC/DC |
| Operating current | $I_B$ | max. 2 A        |

#### Ambient conditions

|                     |                                                                                                                                       |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Ambient temperature | Body: -40 ... 90 °C (-40 ... 194 °F)<br>cable, flexing: -20 ... 80 °C (-4 ... 176 °F)<br>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                  | PUR                                                          |
| Slotted nut            | Diecast zinc                                                 |
| Core insulation        | PP                                                           |
| Cable                  | fine-strand, flexible                                        |
| Sheath diameter        | Ø 6 mm                                                       |
| Bending radius         | > 10 x cable diameter, moving<br>> 8 x cable diameter, fixed |
| Color                  | black                                                        |
| Cores                  | 8 x 0.25 mm <sup>2</sup>                                     |
| Conductor construction | 14 x 0.15 mm Ø                                               |
| Length                 | L 2 m                                                        |
| Flammability           |                                                              |
| Contact carrier        | HB                                                           |
| Housing                | V-2                                                          |
| Cable                  | FT2                                                          |

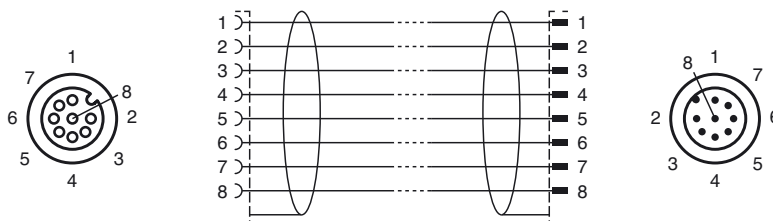
#### Compliance with standards and directives

|                      |                                                                |
|----------------------|----------------------------------------------------------------|
| Standard conformity  |                                                                |
| Degree of protection | EN 60529:2000                                                  |
| Standards            | IEC 61076-2-101:2008                                           |
| Flammability         | Grip: UL 94<br>Cable: UL 1581 Section 1100; IEC 60332-1-2:2004 |
| Halogen-free         | IEC 60754-1:1994                                               |

#### Approvals and certificates

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

### Electrical connection





Maximum permissible operating voltage  $\leq 30\text{ V}$

Maximum permissible ambient temperature  $\leq 80\text{ }^{\circ}\text{C}$  ( $\leq 176\text{ }^{\circ}\text{F}$ )

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