



**Model Number**

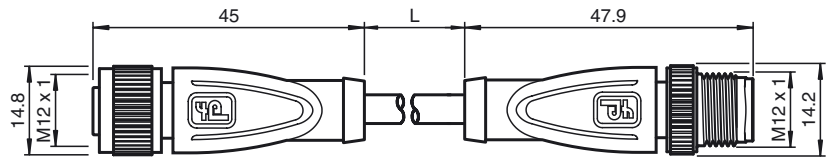
**V19-G-BK3M-PUR-U/ABG-V19-G**

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                        | 3 m |

**Flammability**

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

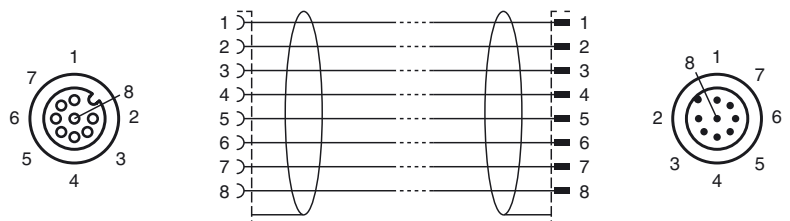
**Compliance with standards and directives**

|                      |  |
|----------------------|--|
| 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**

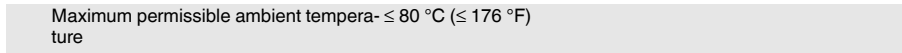


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Maximum permissible operating voltage  $\leq 30$  V

Maximum permissible ambient temperature  $\leq 80$  °C ( $\leq 176$  °F)



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