



Model Number

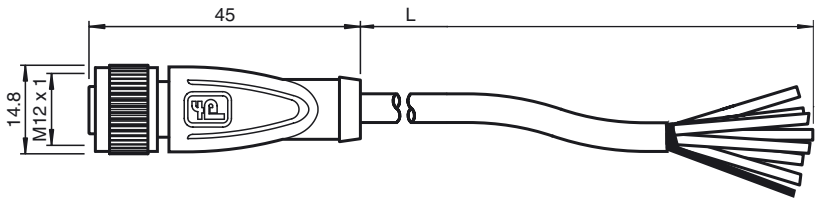
V19-G-BK7M-PUR-U/ABG

Female cordset, M12, 8-pin, shielded, PUR cable

Features

- UL Recognized Component
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Flame resistant cable
- Halogen-free
- Shield attached to coupling nut

Dimensions



Technical data

General specifications

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

Electrical specifications

|                   |                |              |
|-------------------|----------------|--------------|
| Operating voltage | U <sub>B</sub> | max. 30 V DC |
| Operating current | I <sub>B</sub> | max. 2 A     |
| Volume resistance |                | < 5 mΩ       |

Ambient conditions

|                     |                                                                                                                                 |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Ambient temperature | -40 ... 90 °C (-40 ... 194 °F)<br>cable, fixed: -40 ... 80 °C (-40 ... 176 °F)<br>cable, flexing: -20 ... 80 °C (-4 ... 176 °F) |
| Pollution degree    | 3                                                                                                                               |

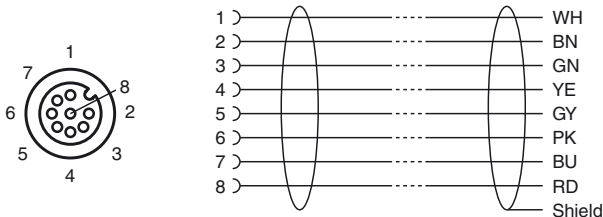
Mechanical specifications

|                        |                               |
|------------------------|-------------------------------|
| Contact elements       | spring-loaded contact socket  |
| Pin diameter           | 0,8 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                  | fine-strand, flexible         |
| Sheath diameter        | Ø 6 mm                        |
| Bending radius         | > 10 x cable diameter, moving |
| Color                  | black                         |
| Number of cores        | 8                             |
| Core cross-section     | 0.25 mm <sup>2</sup>          |
| Conductor construction | 14 x 0.15 mm Ø                |
| Shield                 | grid covering 85 %            |
| Length                 | L 7 m                         |
| Flammability           |                               |
| Contact carrier        | 94 HB                         |
| Housing                | 94 V-2                        |

Approvals and certificates

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

Electrical connection



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