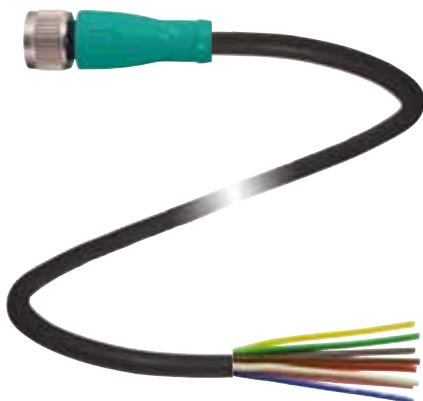




### Model Number

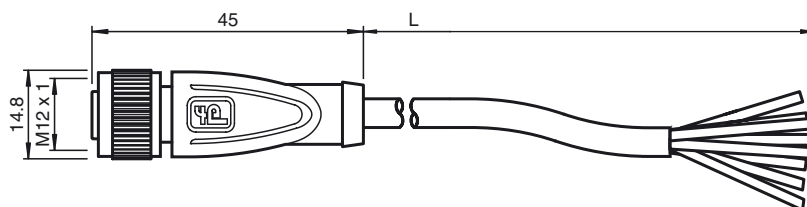
**V19-G-BK5M-PUR-U**

Cable socket, M12, 8-pin, PUR-cable

### Features

- UL Recognized Component
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold-plated and machined contacts
- Flame resistant cable
- Halogen-free
- Resistant to microbes and hydrolysis
- Protection degree IP67 / IP68 / IP69K

### Dimensions



### Technical data

#### General specifications

|                     |                  |
|---------------------|------------------|
| Number of pins      | 8                |
| Connection 1        | female connector |
| Construction type 1 | straight         |
| Threading 1         | M12              |
| Connection 2        | cable end        |
| UL File Number      | E231213          |

#### Electrical specifications

|                   |                |                 |
|-------------------|----------------|-----------------|
| Operating voltage | U <sub>B</sub> | max. 30 V AC/DC |
| Operating current |                | 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                                                                                                                                     |

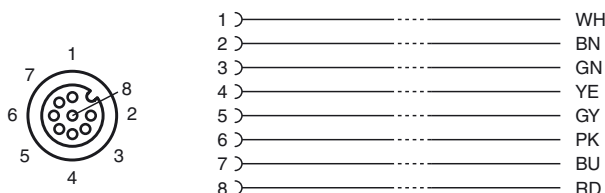
#### Mechanical specifications

|                        |                                                              |
|------------------------|--------------------------------------------------------------|
| Contact elements       | spring-loaded contact socket                                 |
| Pin diameter           | 1 mm                                                         |
| Protection degree      | IP67 / IP68 / IP69k                                          |
| Material               |                                                              |
| Contacts               | CuSn / Au                                                    |
| Contact surface        | Au                                                           |
| Body                   | TPU, green                                                   |
| 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 5 m                                                        |
| Flammability           |                                                              |
| Contact material       | HB                                                           |
| Housing                | V-2                                                          |
| Cable                  | FT2                                                          |

#### Compliance with standards and directives

|                     |                                                                |
|---------------------|----------------------------------------------------------------|
| Standard conformity |                                                                |
| Flammability        | Grip: UL 94<br>Cable: UL 1581 Section 1100; IEC 60332-1-2:2004 |
| Halogen-free        | IEC†60754-1:1994                                               |

### Electrical connection





Approvals and certificates

|                                                            |                               |
|------------------------------------------------------------|-------------------------------|
| UL approval                                                | UL Recognized General purpose |
| Maximum permissible operating voltage ≤ 30 V               |                               |
| Maximum permissible ambient temperature ≤ 80 °C (≤ 176 °F) |                               |

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