



### Model Number

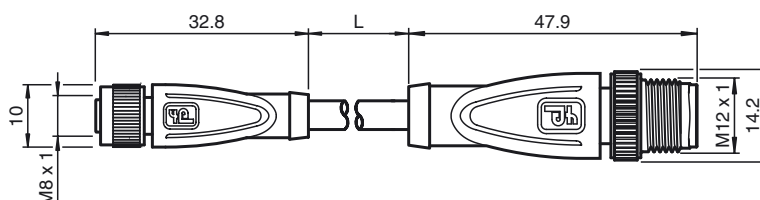
#### V31-GM-7M-PUR-V1-G

Connection cable, M8 to M12, PUR cable, 4-pin

### Features

- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold plated contacts
- Resistant to microbes and hydrolysis
- Halogen-free

### Dimensions



### Technical data

#### General specifications

|                     |                |
|---------------------|----------------|
| Number of pins      | 4              |
| Connection 1        | socket         |
| Construction type 1 | straight       |
| Threading 1         | M8             |
| Connection 2        | Male connector |
| Construction type 2 | straight       |
| Threading 2         | M12            |

#### Electrical specifications

|                    |       |                 |
|--------------------|-------|-----------------|
| Operating voltage  | $U_B$ | max. 30 V AC/DC |
| Operating current  |       | max. 3 A        |
| Contact resistance |       | < 10 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           | 1 mm                                                          |
| Degree of protection   | IP67                                                          |
| <b>Material</b>        |                                                               |
| 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 4.3 mm                                                      |
| Bending radius         | > 15 x cable diameter, induced<br>> 8 x cable diameter, fixed |
| Color                  | grey                                                          |
| Cores                  | 4 x 0.25 mm <sup>2</sup>                                      |
| Conductor construction | 14 x 0.15 mm Ø                                                |
| Length                 | L 7 m                                                         |
| <b>Flammability</b>    |                                                               |
| Contact material       | 94 HB                                                         |
| Housing                | 94 V-2                                                        |

### Electrical connection

