



### Model Number

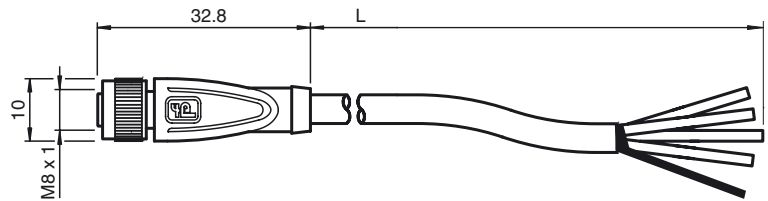
#### V31-GM-2M-PUR-ABG

Female cordset, M8, 4-pin, shielded, PUR cable

### Features

- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold plated contacts
- Shield attached to coupling nut
- Halogen-free
- Suitable for 2- and 3-wire technology

### Dimensions



### Technical data

#### General specifications

|                     |            |
|---------------------|------------|
| Number of pins      | 4 + shield |
| Connection 1        | socket     |
| Construction type 1 | straight   |
| Threading 1         | M8         |
| Connection 2        | cable end  |

#### Electrical specifications

|                   |       |                |
|-------------------|-------|----------------|
| Operating voltage | $U_B$ | max. 30 V DC   |
| Operating current | $I_B$ | max. 3 A       |
| Volume resistance |       | < 5 m $\Omega$ |

#### Ambient conditions

|                     |  |
|---------------------|--|
| Ambient temperature | Body: -40 ... 90 °C (-40 ... 194 °F)<br>cable, flexing: -25 ... 80 °C (-13 ... 176 °F)<br>cable, fixed: -25 ... 80 °C (-13 ... 176 °F) |
| Pollution degree    | 3  |

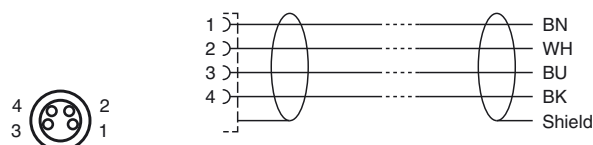
#### Mechanical specifications

|                        |                               |
|------------------------|-------------------------------|
| Contact elements       | spring-loaded contact socket  |
| Pin diameter           | 1 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                  |                               |
| Sheath diameter        | Ø4.8 mm                       |
| Bending radius         | > 10 x cable diameter, moving |
| Color                  | grey                          |
| Number of cores        | 4                             |
| Core cross-section     | 0.34 mm <sup>2</sup>          |
| Conductor construction | 19 x 0.15 mm Ø                |
| Shield                 | grid covering 85 %            |
| Length                 | L 2 m                         |
| Flammability           |                               |
| Contact carrier        | 94 HB                         |
| Housing                | 94 V-2                        |

#### Compliance with standards and directives

|                      |                      |
|----------------------|----------------------|
| Standard conformity  |                      |
| Degree of protection | EN 60529:2000        |
| Standards            | IEC 61076-2-101:2008 |
| Flammability         | Grip: UL 94          |

### Electrical connection





Halogen-free

IEC 60754-1:1994/DIN VDE 0472-815

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