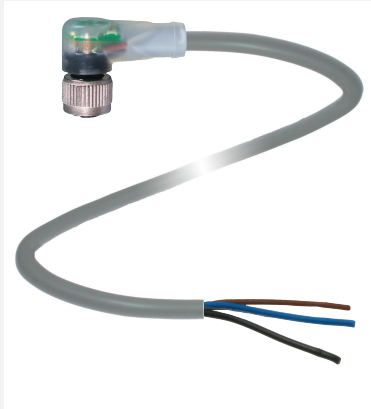




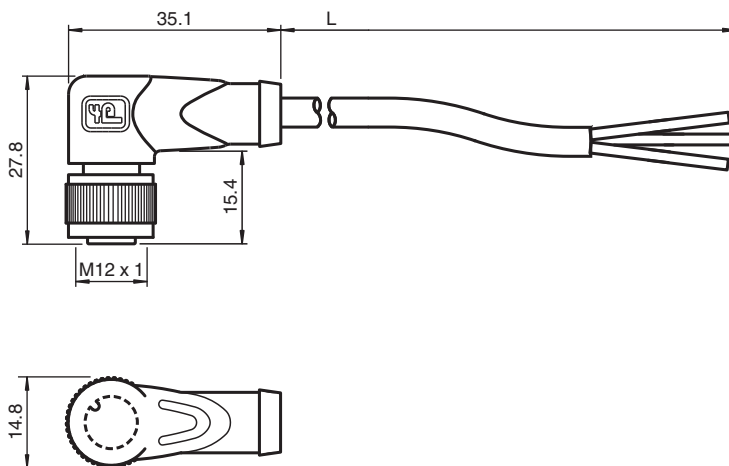
## Female connector V1-W-E2/E3-10M-PUR

- Built-in LED, as operating and function indicator
- Degree of protection IP67 / IP68 / IP69
- Resistant to microbes and hydrolysis
- Halogen-free
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching

Female cordset single-ended M12 angled A-coded, LED 4-pin bridged, PUR cable 3-core grey



### Dimensions



### Technical Data

#### General specifications

|                            |       |                                    |
|----------------------------|-------|------------------------------------|
| Connector 1                |       |                                    |
| Connection                 |       | socket                             |
| Construction type          |       | M12                                |
| Style                      |       | right angle                        |
| Locking                    |       | screw connection                   |
| Number of pins             |       | 4                                  |
| Coding                     |       | A-coded                            |
| Customization              |       | pin 2 and pin 4 bridged            |
| Connector 2                |       |                                    |
| Connection                 |       | cable end                          |
| Indicators/operating means |       |                                    |
| LED green                  |       | Operating display                  |
| LED yellow                 |       | Functional display pin 2 and pin 4 |
| Electrical specifications  |       |                                    |
| Operating voltage          | $U_B$ | max. 24 V DC -20 % / +25 %         |
| Operating current          | $I_B$ | max. 4 A                           |

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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**PEPPERL+FUCHS**

## Technical Data

### Conformity

|                      |  |                                     |
|----------------------|--|-------------------------------------|
| Degree of protection |  | EN 60529                            |
| Plug connection      |  | connector M12 x 1 : IEC 61076-2-101 |
| Halogen-free         |  | IEC 60754-1                         |

### Ambient conditions

|                     |  |                                |
|---------------------|--|--------------------------------|
| Ambient temperature |  |                                |
| Plug connector      |  | -40 ... 90 °C (-40 ... 194 °F) |
| Cable, fixed        |  | -40 ... 80 °C (-40 ... 176 °F) |
| Cable, flexing      |  | -25 ... 80 °C (-13 ... 176 °F) |
| Pollution degree    |  | 3                              |

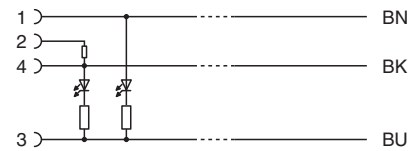
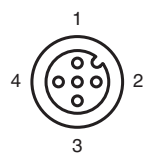
### Mechanical specifications

|                        |   |                                                              |
|------------------------|---|--------------------------------------------------------------|
| Plug connector         |   |                                                              |
| Tightening torque      |   | 0.6 Nm                                                       |
| Loosening protection   |   | available                                                    |
| Tool installation      |   | straight knurling                                            |
| Mating cycles          |   | min. 100                                                     |
| Degree of protection   |   | IP67 / IP68 / IP69                                           |
| Cable                  |   | according to IEC/EN 60228 (DIN VDE 0295) class 5             |
| Sheath diameter        |   | 4.8 mm                                                       |
| Bending radius         |   | > 10 x cable diameter, moving<br>> 8 x cable diameter, fixed |
| Sheath stripping force |   | max. 10 N / 50 mm                                            |
| Sheath color           |   | grey (similar to RAL 7001)                                   |
| Number of cores        |   | 3                                                            |
| Core cross-section     |   | 0.34 mm <sup>2</sup>                                         |
| Cores color            |   | Core 1: brown<br>Core 3: blue<br>Core 4: black               |
| Core construction      |   | 19 x 0.15 mm Ø                                               |
| Length                 | L | 10 m                                                         |
| Cable code             |   | Li 9Y 11YM 3 x 0.34                                          |
| Drag chain suitability |   |                                                              |
| Drag chain cycles      |   | max. 50 / day                                                |
| Motion velocity        |   | max. 0.3 m/s                                                 |

### Material

|                          |  |                                 |
|--------------------------|--|---------------------------------|
| Halogen-free             |  | yes                             |
| Plug connector           |  |                                 |
| Knurled screw connection |  | Zinc die-casting, nickel-plated |
| Body                     |  | TPU, transparent                |
| Contact surface          |  | Au                              |
| Flammability             |  | V-2                             |
| Cable                    |  |                                 |
| Sheathing                |  | PUR based on polyether          |
| Core insulation          |  | PP                              |
| Chemical resistance      |  | good                            |
| Microbial resistance     |  | yes                             |
| Hydrolysis resistance    |  | yes                             |

Connection Assignment



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