

# Female cordset

## V1-W-E8W-20M-PUR

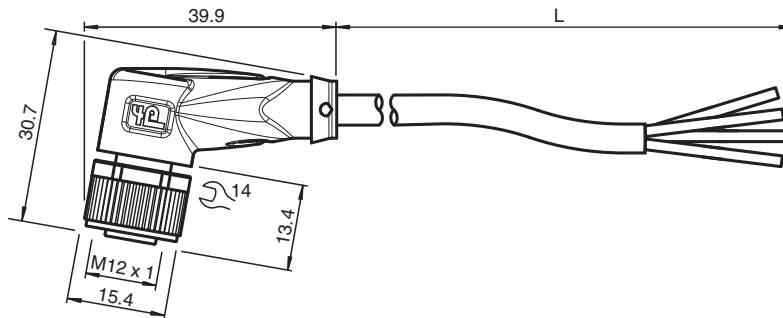


- Built-in LED, as operating and function indicator
- Degree of protection IP68 / IP69
- Resistant to microbes and hydrolysis
- Halogen-free
- Specific design protects against loosening and inaccurate installation

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



### Dimensions



### Technical Data

#### General specifications

|                   |  |                  |
|-------------------|--|------------------|
| Connector 1       |  |                  |
| Connection        |  | socket           |
| Construction type |  | M12              |
| Style             |  | angled           |
| Locking           |  | screw connection |
| Number of pins    |  | 4                |
| Coding            |  | A-coded          |
| Connector 2       |  |                  |
| Connection        |  | cable end        |

#### Indicators/operating means

|            |  |                          |
|------------|--|--------------------------|
| LED green  |  | Operating display        |
| LED yellow |  | Functional display pin 4 |
| LED white  |  | Functional display pin 2 |

#### Electrical specifications

|                   |       |                            |
|-------------------|-------|----------------------------|
| Operating voltage | $U_B$ | max. 24 V DC -20 % / +25 % |
| Operating current | $I_B$ | max. 4 A                   |

#### Conformity

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

Release date: 2024-02-19 Date of issue: 2024-02-19 Filename: 213518\_eng.pdf

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

**PEPPERL+FUCHS**

## Technical Data

### 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

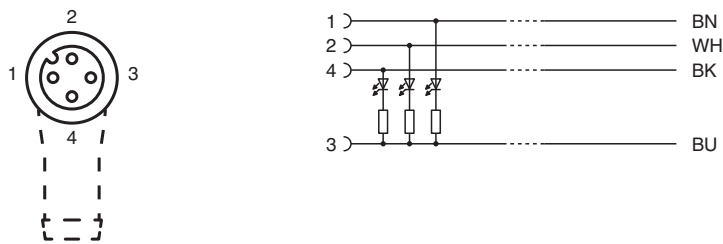
|                        |   |                                                                 |
|------------------------|---|-----------------------------------------------------------------|
| Plug connector         |   |                                                                 |
| Tightening torque      |   | 0.6 Nm                                                          |
| Loosening protection   |   | available                                                       |
| Tool installation      |   | straight knurling and hexagon nut SW = 14 mm                    |
| Mating cycles          |   | min. 100                                                        |
| Degree of protection   |   | 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. 60 N / 500 mm                                              |
| Sheath color           |   | grey (similar to RAL 7001)                                      |
| Number of cores        |   | 4                                                               |
| Core cross section     |   | 0.34 mm <sup>2</sup>                                            |
| Cores color            |   | Core 1: brown<br>Core 2: white<br>Core 3: blue<br>Core 4: black |
| Core construction      |   | 19 x 0.15 mm Ø                                                  |
| Length                 | L | 20 m                                                            |
| Cable code             |   | Li 9Y 11YM 4 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        |  |                             |
| Screw connection      |  | Zinc diecast, nickel-plated |
| Body                  |  | TPU, transparent            |
| Seal                  |  | FKM                         |
| Contact surface       |  | gold plated (Au)            |
| Flammability          |  | V-2                         |
| Cable                 |  |                             |
| Sheathing             |  | PUR based on polyether      |
| Core insulation       |  | PP                          |
| Chemical resistance   |  | good                        |
| Microbial resistance  |  | yes                         |
| Hydrolysis resistance |  | yes                         |

Release date: 2024-02-19 Date of issue: 2024-02-19 Filename: 213518\_eng.pdf

Connection



Release date: 2024-02-19 Date of issue: 2024-02-19 Filename: 213518\_eng.pdf