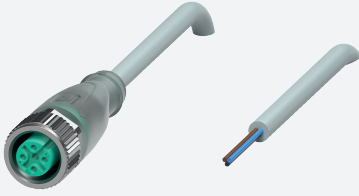


# Female cordset

## V1-G-E2/E3-10M-PUR

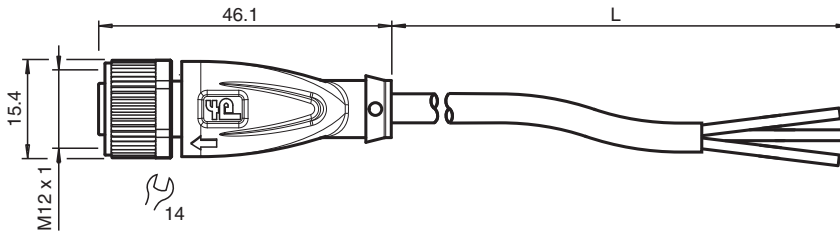


- Built-in LED, as operating and function indicator
- Degree of protection IP68 / IP69
- Resistant to microbes and hydrolysis
- Halogen-free
- Specific design protects against loosening and inaccurate installation

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



### Dimensions



### Technical Data

#### General specifications

|                                   |       |                                     |  |
|-----------------------------------|-------|-------------------------------------|--|
| <b>Connector 1</b>                |       |                                     |  |
| Connection                        |       | socket                              |  |
| Construction type                 |       | M12                                 |  |
| Style                             |       | straight                            |  |
| Locking                           |       | screw connection                    |  |
| Number of pins                    |       | 4                                   |  |
| Coding                            |       | A-coded                             |  |
| Customization                     |       | pin 2 and 4 bridged                 |  |
| <b>Connector 2</b>                |       |                                     |  |
| Connection                        |       | cable end                           |  |
| <b>Indicators/operating means</b> |       |                                     |  |
| LED green                         |       | Operating display                   |  |
| LED yellow                        |       | Functional display pin 2 and pin 4  |  |
| <b>Electrical specifications</b>  |       |                                     |  |
| Operating voltage                 | $U_B$ | max. 24 V DC -20 % / +25 %          |  |
| Operating current                 | $I_B$ | max. 4 A                            |  |
| <b>Conformity</b>                 |       |                                     |  |
| Degree of protection              |       | EN 60529                            |  |
| Plug connection                   |       | connector M12 x 1 : IEC 61076-2-101 |  |
| Halogen-free                      |       | IEC 60754-1                         |  |
| <b>Ambient conditions</b>         |       |                                     |  |
| Ambient temperature               |       |                                     |  |
| Plug connector                    |       | -40 ... 90 °C (-40 ... 194 °F)      |  |

Release date: 2023-08-10 Date of issue: 2023-08-10 Filename: 240000-0003\_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

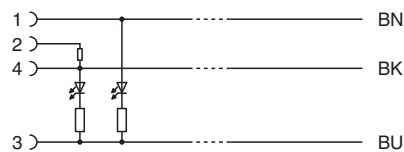
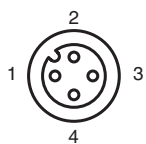
Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS








## Technical Data

|                                  |   |  |
|----------------------------------|---|--|
| Cable, fixed                     |   | -40 ... 80 °C (-40 ... 176 °F)                               |
| Cable, flexing                   |   | -25 ... 80 °C (-13 ... 176 °F)                               |
| Pollution degree                 |   | 3  |
| <b>Mechanical specifications</b> |   |  |
| 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                            |   |  |
| 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   |
| <b>Material</b>                  |   |  |
| 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  |

## Connection



## Accessories

|   |                              |  |
|---|------------------------------|--|
|  | <b>MH V1-SCREWDRIVER</b>     | Torque screwdriver (0.6 Nm)                      |
|  | <b>MH V1-BIT M12</b>         | plug-in cap M12                                  |
|  | <b>V1/V3-LABELHOLDER</b>     | Label holder                                     |
|  | <b>V1/V3-LABEL</b>           | Label plate                                      |
|  | <b>MH V1-Holder</b>          | Modular universal holder for M12 connectors      |
|  | <b>V1-CLIP</b>               | Unlocking protector for M12 connector            |
|  | <b>V1-MARKING-RING-COLOR</b> | Marking rings for M12 connectors, various colors |