

## Connection cable

### V3-WM-E2-1,5M-PUR-V11-G

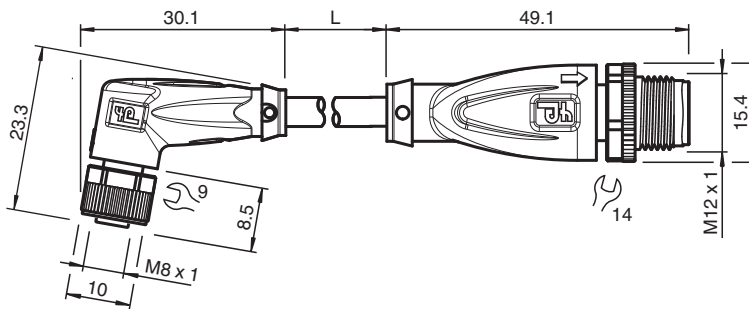


- Built-in LED, as operating and function indicator
- Degree of protection IP68
- Resistant to microbes and hydrolysis
- Halogen-free
- Specific design protects against loosening and inaccurate installation

Cordset M8 socket angled A-coded LED 3-pin to M12 plug straight A-coded 3-pin, PUR cable grey



## Dimensions



## Technical Data

### General specifications

|                   |                  |
|-------------------|------------------|
| Connector 1       |                  |
| Connection        | socket           |
| Construction type | M8               |
| Style             | angled           |
| Locking           | screw connection |
| Number of pins    | 3                |
| Coding            | A-coded          |
| Connector 2       |                  |
| Connection        | plug             |
| Construction type | M12              |
| Style             | straight         |
| Locking           | screw connection |
| Number of pins    | 3                |
| Coding            | A-coded          |

### Indicators/operating means

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

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## Technical Data

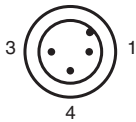
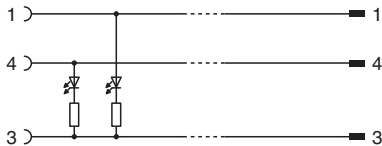
|                                  |                |                                                                           |
|----------------------------------|----------------|---------------------------------------------------------------------------|
| LED green                        |                | Operating display                                                         |
| LED yellow                       |                | Functional display pin 4                                                  |
| <b>Electrical specifications</b> |                |                                                                           |
| Operating voltage                | U <sub>B</sub> | max. 24 V DC -20 % / +25 %                                                |
| Operating current                | I <sub>B</sub> | max. 3 A                                                                  |
| <b>Conformity</b>                |                |                                                                           |
| Degree of protection             |                | EN 60529                                                                  |
| Plug connection                  |                | connector M8 x 1 : IEC 61076-2-104<br>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)                                            |
| Cable, fixed                     |                | -40 ... 80 °C (-40 ... 176 °F)                                            |
| Cable, flexing                   |                | -20 ... 80 °C (-4 ... 176 °F)                                             |
| Pollution degree                 |                | 3                                                                         |
| <b>Mechanical specifications</b> |                |                                                                           |
| Connector 1                      |                |                                                                           |
| Tightening torque                |                | 0.4 Nm                                                                    |
| Loosening protection             |                | available                                                                 |
| Tool installation                |                | straight knurling and hexagon nut SW = 9 mm                               |
| Mating cycles                    |                | min. 100                                                                  |
| Degree of protection             |                | IP68                                                                      |
| Connector 2                      |                |                                                                           |
| 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                  |                | 4.3 mm                                                                    |
| Bending radius                   |                | > 15 x cable diameter, moving<br>> 8 x cable diameter, fixed              |
| Sheath stripping force           |                | max. 80 N / 500 mm                                                        |
| Sheath color                     |                | grey (similar to RAL 7001)                                                |
| Number of cores                  |                | 3                                                                         |
| Core cross section               |                | 0.25 mm <sup>2</sup>                                                      |
| Cores color                      |                | Core 1: brown<br>Core 3: blue<br>Core 4: black                            |
| Core construction                |                | 14 x 0.15 mm Ø                                                            |
| Length                           | L              | 1.5 m                                                                     |
| Cable code                       |                | Li 9Y 11Y 3 x 0,25                                                        |
| 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/black                                                    |
| Seal                             |                | FKM                                                                       |
| Contact surface                  |                | gold plated (Au)                                                          |
| Flammability                     |                | V-2                                                                       |

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Technical Data

|                       |                        |
|-----------------------|------------------------|
| Cable                 |                        |
| Sheathing             | PUR based on polyether |
| Core insulation       | PP                     |
| Chemical resistance   | good                   |
| Microbial resistance  | yes                    |
| Hydrolysis resistance | yes                    |

Connection Assignment



Accessories

|                                                                                     |                              |                                                  |
|-------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------|
|    | <b>MH V1-SCREWDRIVER</b>     | Torque screwdriver (0.6 Nm)                      |
|   | <b>MH V1-BIT M12</b>         | plug-in cap M12                                  |
|  | <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 |
|  | <b>V1/V3-LABELHOLDER</b>     | Label holder                                     |
|  | <b>V1/V3-LABEL</b>           | Label plate                                      |
|  | <b>MH V3-SCREWDRIVER</b>     | Torque screwdriver (0.4 Nm)                      |
|  | <b>MH V3-BIT M8</b>          | plug-in cap for M8                               |
|  | <b>MH V3-Holder</b>          | Modular universal holder for M8 connectors       |

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