

# Connection cable

## V11-W-10M-PUR-V3-GM

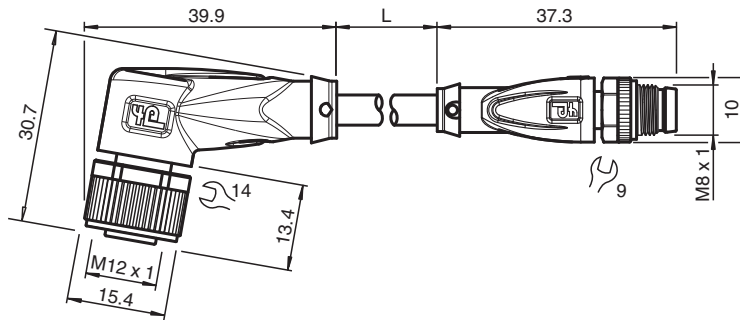


- Degree of protection IP68
- Resistant to microbes and hydrolysis
- Halogen-free
- Specific design protects against loosening and inaccurate installation

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



### Dimensions



### Technical Data

#### General specifications

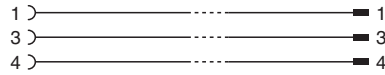
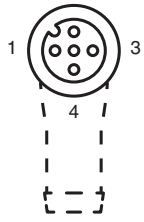
|                                  |       |   |
|----------------------------------|-------|---|
| <b>Connector 1</b>               |       |   |
| Connection                       |       | socket  |
| Construction type                |       | M12   |
| Style                            |       | angled  |
| Locking                          |       | screw connection  |
| Number of pins                   |       | 3   |
| Coding                           |       | A-coded   |
| <b>Connector 2</b>               |       |   |
| Connection                       |       | plug  |
| Construction type                |       | M8  |
| Style                            |       | straight  |
| Locking                          |       | screw connection  |
| Number of pins                   |       | 3   |
| Coding                           |       | A-coded   |
| <b>Electrical specifications</b> |       |   |
| Operating voltage                | $U_B$ | max. 48 V AC / 60 V DC  |
| Operating current                | $I_B$ | max. 3 A  |
| <b>Conformity</b>                |       |   |
| Degree of protection             |       | EN 60529  |
| Plug connection                  |       | connector M12 x 1 : IEC 61076-2-101<br>connector M8 x 1 : IEC 61076-2-104 |

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## Technical Data

|                                  |   |  |
|----------------------------------|---|--|
| 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                   |   | -25 ... 80 °C (-13 ... 176 °F)                               |
| Pollution degree                 |   | 3  |
| <b>Mechanical specifications</b> |   |  |
| Connector 1                      |   |  |
| 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  |
| Connector 2                      |   |  |
| 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   |
| 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   |
| <b>Material</b>                  |   |  |
| Halogen-free                     |   | yes  |
| Plug connector                   |   |  |
| Screw connection                 |   | Zinc diecast, nickel-plated                                  |
| Body                             |   | TPU, black   |
| 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 |
|  | <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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