

# Connection cable

## V1-W-1M-PUR-V1-W

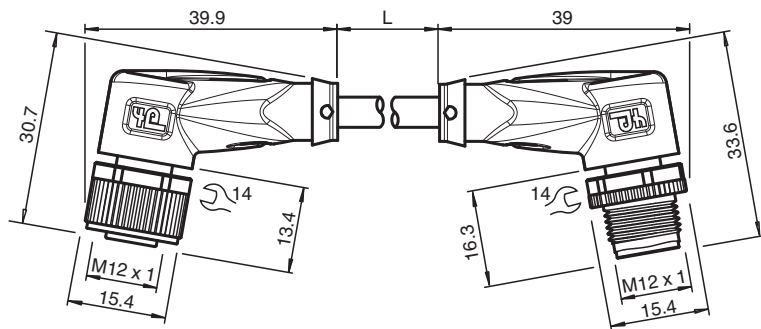


- Degree of protection IP68 / IP69
- Resistant to microbes and hydrolysis
- Halogen-free
- Specific design protects against loosening and inaccurate installation

Cordset M12 socket angled to M12 plug angled A-coded, 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                |                | plug                                |
| Construction type         |                | M12                                 |
| Style                     |                | angled                              |
| Locking                   |                | screw connection                    |
| Number of pins            |                | 4                                   |
| Coding                    |                | A-coded                             |
| Electrical specifications |                |                                     |
| Operating voltage         | U <sub>B</sub> | max. 250 V AC/DC                    |
| Operating current         | I <sub>B</sub> | max. 4 A                            |
| Conformity                |                |                                     |
| Degree of protection      |                | EN 60529                            |
| Plug connection           |                | connector M12 x 1 : IEC 61076-2-101 |

Release date: 2023-07-13 Date of issue: 2023-07-13 Filename: 127416\_eng.pdf

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

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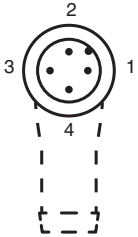
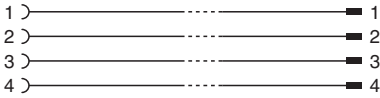
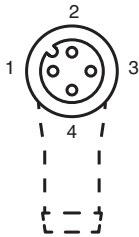
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## Technical Data

|                                                  |   |                                                                 |
|--------------------------------------------------|---|-----------------------------------------------------------------|
| 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 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 mm²                                                        |
| 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 | 1 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, 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 |