

## Connection cable

### V1-G-0,3M-PUR-V1-W

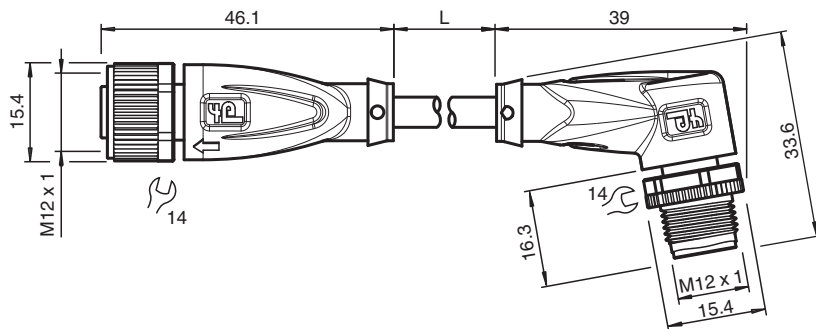


- Degree of protection IP68 / IP69
- Resistant to microbes and hydrolysis
- Halogen-free
- Specific design protects against loosening and inaccurate installation

Cordset M12 socket straight to M12 plug angled A-coded, 4-pin, PUR cable grey



## Dimensions



## Technical Data

### General specifications

|                   |  |                  |
|-------------------|--|------------------|
| Connector 1       |  |                  |
| Connection        |  | socket           |
| Construction type |  | M12              |
| Style             |  | straight         |
| 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 |  |

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

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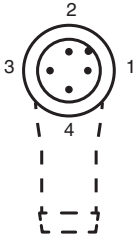
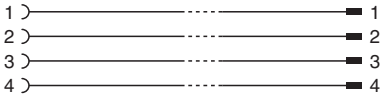
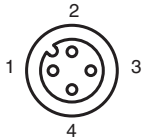
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PEPPERL+FUCHS

## 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                     |                                                              |                                                                 |
| 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                                                            | 0.3 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

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