

## Connection cable, shielded V1-G-80M-PUR-ABG-V1-W

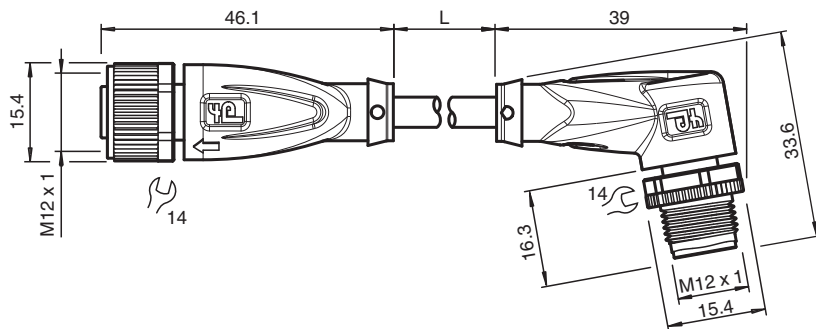


- Degree of protection IP68 / IP69
- Halogen-free
- Shield connected to screw connection
- Specific design protects against loosening and inaccurate installation

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



### 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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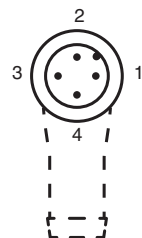
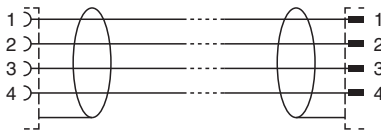
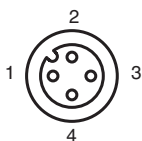
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PEPPERL+FUCHS

Technical Data

|                           |   |                                                                 |
|---------------------------|---|-----------------------------------------------------------------|
| Halogen-free              |   | DIN VDE 0472-815<br>DIN EN 50267-2-1                            |
| 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                                                        |
| Shielding                 |   | shield connected to screw connection                            |
| 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>> 5 x cable diameter, fixed    |
| Sheath stripping force    |   | max. 100 N / 300 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                                                  |
| Shield                    |   | tinned copper braiding, 85 % coverage                           |
| Length                    | L | 80 m                                                            |
| Cable code                |   | Li 9Y 11YM 4 x 0.34                                             |
| 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                                                            |

Connection



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## 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 |