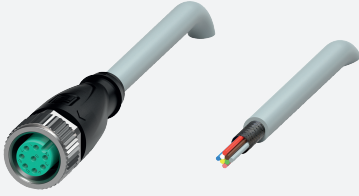


# Cable socket, shielded

## V19-G-3M-PUR-ABG

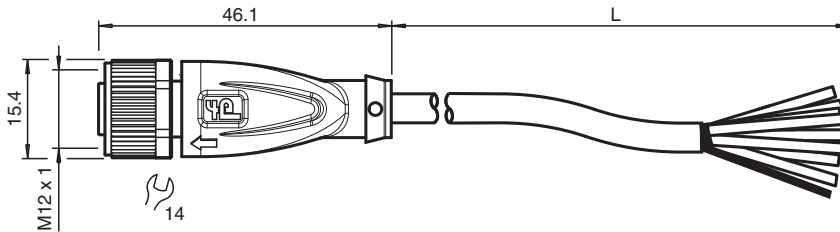


- Degree of protection IP68 / IP69
- Halogen-free
- Shield connected to screw connection
- Specific design protects against loosening and inaccurate installation

Female cordset single-ended M12 straight A-coded, 8-pin, PUR cable grey, shielded



### Dimensions



### Technical Data

#### General specifications

|                    |                  |
|--------------------|------------------|
| <b>Connector 1</b> |                  |
| Connection         | socket           |
| Construction type  | M12              |
| Style              | straight         |
| Locking            | screw connection |
| Number of pins     | 8                |
| Coding             | A-coded          |
| <b>Connector 2</b> |                  |
| Connection         | cable end        |

#### Electrical specifications

|                   |       |                 |
|-------------------|-------|-----------------|
| Operating voltage | $U_B$ | max. 30 V AC/DC |
| Operating current | $I_B$ | max. 2 A        |

#### Conformity

|                      |                                      |
|----------------------|--------------------------------------|
| Degree of protection | EN 60529                             |
| Plug connection      | connector M12 x 1 : IEC 61076-2-101  |
| Halogen-free         | DIN VDE 0472-815<br>DIN EN 50267-2-1 |

#### Ambient conditions

|                            |                                |
|----------------------------|--------------------------------|
| <b>Ambient temperature</b> |                                |
| 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                              |

Release date: 2023-09-04 Date of issue: 2023-09-04 Filename: 317960\_eng.pdf

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

## Technical Data

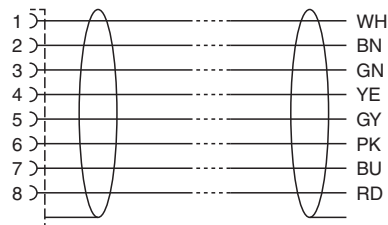
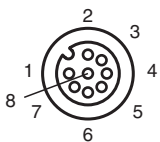
### Mechanical specifications

|                        |   |  |
|------------------------|---|--|
| 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        |   | 6 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        |   | 8  |
| Core cross section     |   | 0.25 mm <sup>2</sup>   |
| Cores color            |   | Core 1: white<br>Core 2: brown<br>Core 3: green<br>Core 4: yellow<br>Core 5: grey<br>Core 6: pink<br>Core 7: blue<br>Core 8: red |
| Core construction      |   | 14 x 0.15 mm Ø   |
| Shield                 |   | tinned copper braiding, 85 % coverage  |
| Length                 | L | 3 m  |
| Cable code             |   | Li 9Y V1 C V1 11Y 8 x 0,25   |


### 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



## Accessories

|   |                          |                             |
|---|--------------------------|-----------------------------|
|  | <b>MH V1-SCREWDRIVER</b> | Torque screwdriver (0.6 Nm) |
|---|--------------------------|-----------------------------|

## Accessories

|   |                              |  |
|---|------------------------------|--|
|  | <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 |