

# Cable socket, shielded V1-G-10M-PUR-ABG

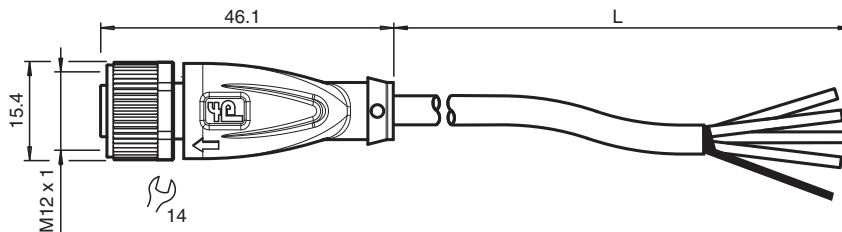


- Degree of protection IP68 / IP69
- Halogen-free
- Shield connected to screw connection
- Specific design protects against loosening and inaccurate installation

Female cordset single-ended M12 straight A-coded, 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        |  | cable end        |

### Electrical specifications

|                   |       |                  |
|-------------------|-------|------------------|
| Operating voltage | $U_B$ | max. 250 V AC/DC |
| Operating current | $I_B$ | max. 4 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

|                     |  |                                |
|---------------------|--|--------------------------------|
| 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                              |

Release date: 2024-06-14 Date of issue: 2024-06-14 Filename: 221508\_eng.pdf

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

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           |   | 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 | 10 m                                                            |
| Cable code                |   | Li 9Y 11YM 4 x 0.34                                             |
| Mass                      |   | 215.5 g                                                         |
| 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

