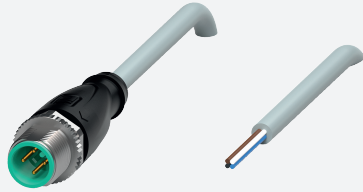


# Cable connector

## V1S-G-2M-PUR

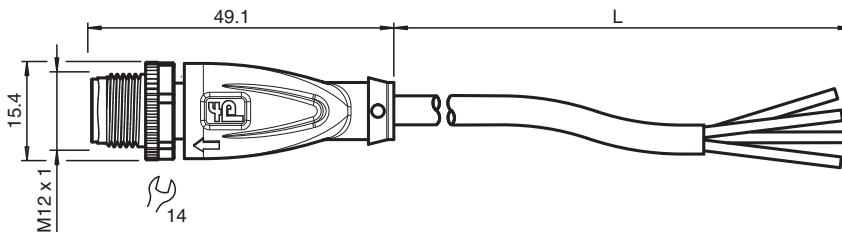


- Degree of protection IP68 / IP69
- Resistant to microbes and hydrolysis
- Halogen-free
- Specific design protects against loosening and inaccurate installation

Male cordset single-ended M12 straight A-coded, 4-pin, PUR cable grey



### Dimensions



### Technical Data

#### General specifications

|                   |  |                  |
|-------------------|--|------------------|
| Connector 1       |  |                  |
| Connection        |  | plug             |
| 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         |  | 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

Release date: 2023-08-31 Date of issue: 2023-08-31 Filename: 034419\_eng.pdf

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

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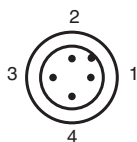
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 **PEPPERL+FUCHS**

## Technical Data

|                        |   |                                                                 |
|------------------------|---|-----------------------------------------------------------------|
| 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 mm <sup>2</sup>                                            |
| 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 | 2 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                                                    |
| <b>Material</b>        |   |                                                                 |
| Halogen-free           |   | yes                                                             |
| Plug connector         |   |                                                                 |
| Screw connection       |   | Zinc diecast, nickel-plated                                     |
| Body                   |   | TPU, black                                                      |
| 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



|   |    |
|---|----|
| 1 | BN |
| 2 | WH |
| 3 | BU |
| 4 | BK |

## 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 |