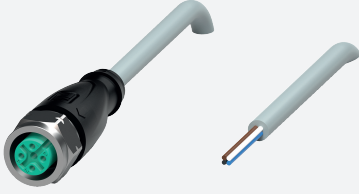


# Female cordset

## V1-GV4A-5M-PVC

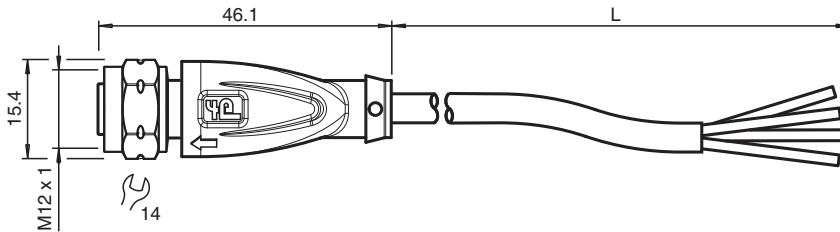


- Degree of protection IP68 / IP69
- Screw connection stainless steel
- Specific design protects against loosening and inaccurate installation

Female cordset, M12, Stainless steel V4A, 4-pin, PVC cable



### Dimensions



### Technical Data

#### General specifications

|                    |  |                  |
|--------------------|--|------------------|
| <b>Connector 1</b> |  |                  |
| Connection         |  | socket           |
| Construction type  |  | M12              |
| Style              |  | straight         |
| Locking            |  | screw connection |
| Number of pins     |  | 4                |
| Coding             |  | A-coded          |
| <b>Connector 2</b> |  |                  |
| 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 |
| Flammability         |  | IEC 60332-2-2                       |

#### Ambient conditions

|                            |  |                                |
|----------------------------|--|--------------------------------|
| <b>Ambient temperature</b> |  |                                |
| Plug connector             |  | -40 ... 90 °C (-40 ... 194 °F) |
| Cable, fixed               |  | -25 ... 70 °C (-13 ... 158 °F) |
| Cable, flexing             |  | -5 ... 70 °C (23 ... 158 °F)   |
| Pollution degree           |  | 3                              |

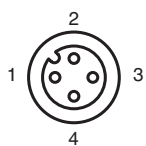
#### Mechanical specifications

Release date: 2023-08-31 Date of issue: 2023-08-31 Filename: 240006-0002\_eng.pdf

## Technical Data





|                        |   |   |
|------------------------|---|---|
| Plug connector         |   |   |
| Tightening torque      |   | 0.6 Nm  |
| Loosening protection   |   | available   |
| Tool installation      |   | 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                                   |
| Sheath stripping force |   | max. 80 N / 300 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 | 5 m   |
| Cable code             |   | Li Y YM 4 x 0,34  |
| <b>Material</b>        |   |   |
| Plug connector         |   |   |
| Screw connection       |   | Stainless steel 1.4404 / AISI 316L                              |
| Body                   |   | TPU, black  |
| Seal                   |   | FKM   |
| Contact surface        |   | gold plated (Au)  |
| Flammability           |   | V-2   |
| Cable                  |   |   |
| Sheathing              |   | PVC   |
| Core insulation        |   | PVC   |
| Flammability           |   | flame-resistant   |

## Connection






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

## Accessories

|   |                              |   |
|---|------------------------------|---|
|  | <b>MH V1-SCREWDRIVER</b>     | Torque screwdriver (0.6 Nm)                                     |
|  | <b>MH V1-BIT M12-W14-HEX</b> | Plug-in attachment for M12 with hex stainless steel knurled nut |
|  | <b>V1/V3-LABELHOLDER</b>     | Label holder  |
|  | <b>V1/V3-LABEL</b>           | Label plate   |

**Accessories**

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