

# Connection cable

## V1-G-3M-PVC-V1-G



- Degree of protection IP68 / IP69
- Specific design protects against loosening and inaccurate installation

Cordset M12 socket straight to M12 plug straight A-coded, 4-pin, PVC cable grey



### 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             |  | straight         |
| Locking           |  | screw connection |
| Number of pins    |  | 4                |
| Coding            |  | A-coded          |

#### 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

|                     |  |  |
|---------------------|--|--|
| Ambient temperature |  |  |
|---------------------|--|--|

Release date: 2023-07-13 Date of issue: 2023-07-13 Filename: 192068\_eng.pdf

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

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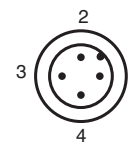
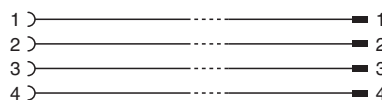
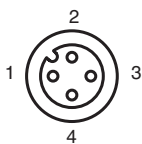
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### Technical Data

|                                  |   |   |
|----------------------------------|---|---|
| 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   |
| <b>Mechanical specifications</b> |   |   |
| 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                                   |
| 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 | 3 m   |
| Cable code                       |   | Li Y YM 4 x 0,34  |
| <b>Material</b>                  |   |   |
| Plug connector                   |   |   |
| Screw connection                 |   | Zinc diecast, nickel-plated                                     |
| Body                             |   | TPU, black  |
| Seal                             |   | FKM   |
| Contact surface                  |   | gold plated (Au)  |
| Flammability                     |   | V-2   |
| Cable                            |   |   |
| Sheathing                        |   | PVC   |
| Core insulation                  |   | PVC   |
| Flammability                     |   | flame-resistant   |

### Connection








### Accessories

|   |                          |                             |
|---|--------------------------|-----------------------------|
|  | <b>MH V1-SCREWDRIVER</b> | Torque screwdriver (0.6 Nm) |
|  | <b>MH V1-BIT M12</b>     | plug-in cap M12             |

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**Accessories**

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

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