

# Connection cable

## V15-G-15M-PVC-TP-V15-G

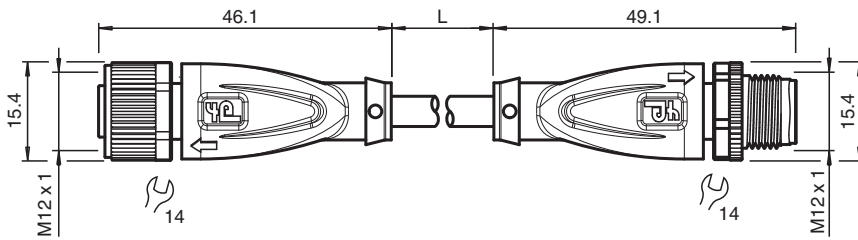


- Degree of protection IP68 / IP69
- Specific design protects against loosening and inaccurate installation

Cordset M12 socket straight A-coded to M12 plug straight A-coded, 5-pin, PVC cable 6-core grey, twisted pairs, overall shield



### Dimensions



### Technical Data

#### General specifications

|                                  |       |                                     |  |
|----------------------------------|-------|-------------------------------------|--|
| <b>Connector 1</b>               |       |                                     |  |
| Connection                       |       | socket                              |  |
| Construction type                |       | M12                                 |  |
| Style                            |       | straight                            |  |
| Locking                          |       | screw connection                    |  |
| Number of pins                   |       | 5                                   |  |
| Coding                           |       | A-coded                             |  |
| <b>Connector 2</b>               |       |                                     |  |
| Connection                       |       | plug                                |  |
| Construction type                |       | M12                                 |  |
| Style                            |       | straight                            |  |
| Locking                          |       | screw connection                    |  |
| Number of pins                   |       | 5                                   |  |
| Coding                           |       | A-coded                             |  |
| <b>Electrical specifications</b> |       |                                     |  |
| Operating voltage                | $U_B$ | max. 48 V AC / 60 V DC              |  |
| Operating current                | $I_B$ | max. 1 A                            |  |
| <b>Conformity</b>                |       |                                     |  |
| Degree of protection             |       | EN 60529                            |  |
| Plug connection                  |       | connector M12 x 1 : IEC 61076-2-101 |  |
| Flammability                     |       | IEC 60332-1-2                       |  |
| <b>Ambient conditions</b>        |       |                                     |  |

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

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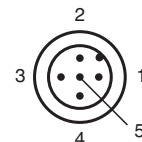
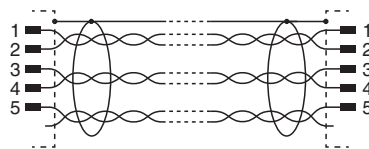
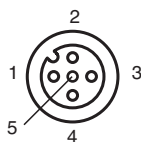
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**PEPPERL+FUCHS**

**Technical Data**

|                                  |   |  |
|----------------------------------|---|--|
| <b>Ambient temperature</b>       |   |  |
| Plug connector                   |   | -40 ... 90 °C (-40 ... 194 °F)   |
| Cable, fixed                     |   | -40 ... 80 °C (-40 ... 176 °F)   |
| Cable, flexing                   |   | -5 ... 70 °C (23 ... 158 °F)   |
| Pollution degree                 |   | 3  |
| <b>Mechanical specifications</b> |   |  |
| <b>Plug connector</b>            |   |  |
| 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  |
| <b>Cable</b>                     |   |  |
| Sheath diameter                  |   | 5.8 mm   |
| Bending radius                   |   | > 15 x cable diameter, moving<br>> 6 x cable diameter, fixed   |
| Sheath color                     |   | grey (similar to RAL 7032)   |
| Number of cores                  |   | 6  |
| Core cross section               |   | 0.14 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 not used |
| Core construction                |   | 3 x 2 x 0.14 mm <sup>2</sup><br>twisted pairs , overall shield   |
| Shield                           |   | tinned copper braiding   |
| Length                           | L | 15 m   |
| Cable code                       |   | Li Y CY 3 x 2 x 0,14   |
| <b>Material</b>                  |   |  |
| <b>Plug connector</b>            |   |  |
| Screw connection                 |   | Zinc diecast, nickel-plated  |
| Body                             |   | TPU, black   |
| Seal                             |   | FKM  |
| Contact surface                  |   | gold plated (Au)   |
| Flammability                     |   | V-2  |
| <b>Cable</b>                     |   |  |
| Sheathing                        |   | PVC  |
| Core insulation                  |   | PVC  |
| Flammability                     |   | flame retardant  |

**Connection Assignment**



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