

# Connection cable, shielded

## V15B-G-0,3M-PUR-ABG-V15B-G

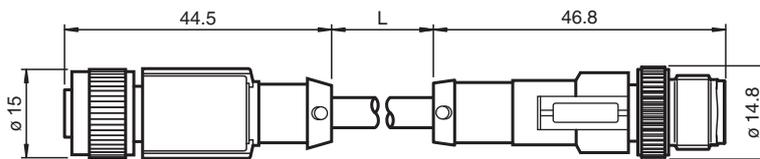


- Data transmission up to 12 MBaud
- Halogen-free
- Shield connected to screw connection
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching

PROFIBUS bus cable M12 socket straight to M12 plug straight B-coded, 5-pin, PUR cable 2-core violet, shielded



### Dimensions



### Technical Data

#### General specifications

|                                  |       |                                     |
|----------------------------------|-------|-------------------------------------|
| Connector 1                      |       |                                     |
| Connection                       |       | socket                              |
| Construction type                |       | M12                                 |
| Style                            |       | straight                            |
| Locking                          |       | screw connection                    |
| Number of pins                   |       | 5                                   |
| Coding                           |       | B-coded                             |
| Connector 2                      |       |                                     |
| Connection                       |       | plug                                |
| Construction type                |       | M12                                 |
| Style                            |       | straight                            |
| Locking                          |       | screw connection                    |
| Number of pins                   |       | 5                                   |
| Coding                           |       | B-coded                             |
| <b>Electrical specifications</b> |       |                                     |
| Operating voltage                | $U_B$ | max. 48 V AC / 60 V DC              |
| Operating current                | $I_B$ | max. 4 A                            |
| <b>Conformity</b>                |       |                                     |
| Degree of protection             |       | EN 60529                            |
| Plug connection                  |       | connector M12 x 1 : IEC 61076-2-101 |
| Flammability                     |       | UL 1581; DIN EN 60332-1-2           |
| Halogen-free                     |       | DIN VDE 0472-815<br>IEC 60754-1     |

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

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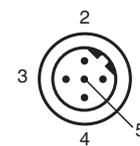
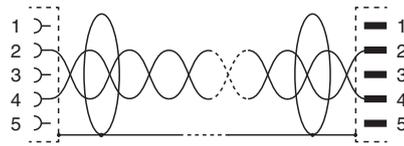
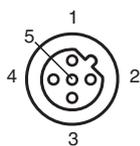
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## Technical Data

|                                  |   |  |
|----------------------------------|---|--|
| <b>Ambient conditions</b>        |   |  |
| Ambient temperature              |   |  |
| Plug connector                   |   | -25 ... 90 °C (-13 ... 194 °F)                   |
| Cable, fixed                     |   | -40 ... 80 °C (-40 ... 176 °F)                   |
| Cable, flexing                   |   | -30 ... 80 °C (-22 ... 176 °F)                   |
| Pollution degree                 |   | 3  |
| <b>Mechanical specifications</b> |   |  |
| Plug connector                   |   |  |
| Tightening torque                |   | 0.4 Nm   |
| Loosening protection             |   | available  |
| Tool installation                |   | straight knurling                                |
| Mating cycles                    |   | min. 100   |
| Shielding                        |   | shield connected to screw connection             |
| Degree of protection             |   | IP65 / IP67/ IP68                                |
| Cable                            |   | according to IEC/EN 60228 (DIN VDE 0295) class 5 |
| Sheath diameter                  |   | 7.8 mm   |
| Bending radius                   |   | min. 40 mm , active<br>min. 65 mm , fixed        |
| Sheath color                     |   | violet (similar to RAL 4001)                     |
| Number of cores                  |   | 2  |
| Core cross section               |   | 0.25 mm <sup>2</sup>                             |
| Cores color                      |   | Core 2: green<br>Core 4: red                     |
| Core construction                |   | 19 x 0.13 mm Ø                                   |
| Shield                           |   | tinned copper braiding, 85 % coverage            |
| Length                           | L | 0.3 m  |
| <b>Material</b>                  |   |  |
| Halogen-free                     |   | yes  |
| Plug connector                   |   |  |
| Screw connection                 |   | Zinc diecast, nickel-plated                      |
| Body                             |   | TPU, black                                       |
| Seal                             |   | NBR  |
| Contact surface                  |   | Ni/Au  |
| Flammability                     |   | V-0  |
| Cable                            |   |  |
| Sheathing                        |   | PUR based on polyether                           |
| Core insulation                  |   | PP   |
| Flammability                     |   | FT1  |

## Connection



## Accessories

|   |                          |                             |
|---|--------------------------|-----------------------------|
|  | <b>MH V1-SCREWDRIVER</b> | Torque screwdriver (0.6 Nm) |
|---|--------------------------|-----------------------------|

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**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 |

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