

# Cable connector, shielded

## V1S-W-10M-PUR-ABG0

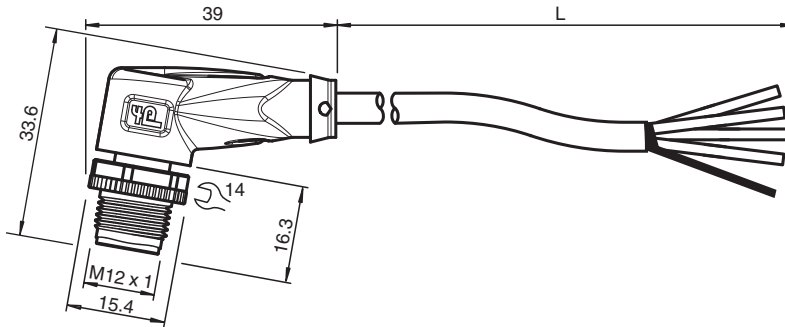


- Degree of protection IP68 / IP69
- Halogen-free
- Shield not connected to screw connection
- Specific design protects against loosening and inaccurate installation

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



### Dimensions



### Technical Data

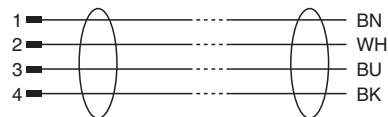
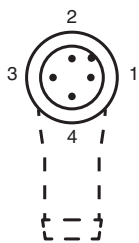
| General specifications    |       |  |                                      |
|---------------------------|-------|--|--------------------------------------|
| Connector 1               |       |  |                                      |
| Connection                |       |  | plug                                 |
| Construction type         |       |  | M12                                  |
| Style                     |       |  | angled                               |
| Locking                   |       |  | screw connection                     |
| Number of pins            |       |  | 4                                    |
| Coding                    |       |  | A-coded                              |
| Connector 2               |       |  |                                      |
| Connection                |       |  | cable end                            |
| Electrical specifications |       |  |                                      |
| Operating voltage         | $U_B$ |  | max. 48 V AC / 60 V 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              |       |  | DIN VDE 0472-815<br>DIN EN 50267-2-1 |
| Ambient conditions        |       |  |                                      |
| Ambient temperature       |       |  |                                      |
| Plug connector            |       |  | -40 ... 90 °C (-40 ... 194 °F)       |
| Cable, fixed              |       |  | -40 ... 80 °C (-40 ... 176 °F)       |

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## Technical Data

|                                  |   |      |
|----------------------------------|---|------|
| Cable, flexing                   | -25 ... 80 °C (-13 ... 176 °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  |      |
| Shielding                        | shield not connected to connector                               |      |
| 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>> 5 x cable diameter, fixed    |      |
| Sheath stripping force           | max. 100 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  |      |
| Shield                           | tinned copper braiding, 85 % coverage                           |      |
| Length                           | L   | 10 m |
| Cable code                       | Li 9Y 11YM 4 x 0.34   |      |
| <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  |      |







## Connection



## 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 |