

Cable connector, shielded

V1S-W-1,8M-PUR-ABG

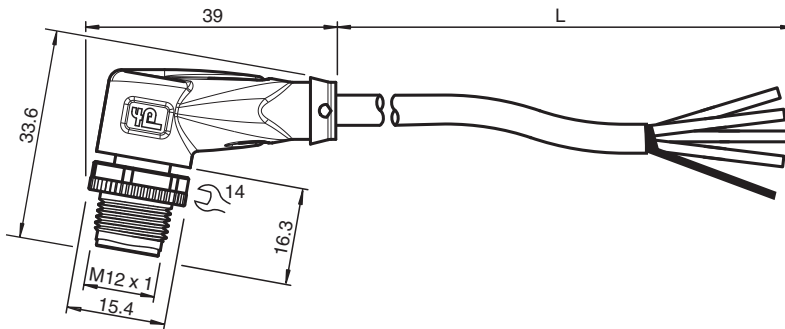


- Degree of protection IP68 / IP69
- Halogen-free
- Shield connected to screw connection
- Specific design protects against loosening and inaccurate installation

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 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) | |

Release date: 2023-09-04 Date of issue: 2023-09-04 Filename: 215461_eng.pdf

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

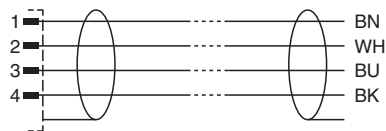
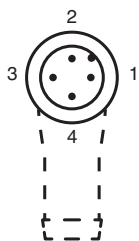
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS


Technical Data

| | | |
|----------------------------------|---|-------|
| Cable, flexing | -25 ... 80 °C (-13 ... 176 °F) | |
| Pollution degree | 3 | |
| Mechanical specifications | | |
| 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 connected to screw connection | |
| 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 > 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 ² | |
| Cores color | Core 1: brown Core 2: white Core 3: blue Core 4: black | |
| Core construction | 19 x 0.15 mm Ø | |
| Shield | tinned copper braiding, 85 % coverage | |
| Length | L | 1.8 m |
| Cable code | Li 9Y 11YM 4 x 0.34 | |
| Material | | |
| 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

| | | |
|---|--------------------------|-----------------------------|
|  | MH V1-SCREWDRIVER | Torque screwdriver (0.6 Nm) |
|---|--------------------------|-----------------------------|

Accessories

| | | |
|---|------------------------------|--|
|  | MH V1-BIT M12 | plug-in cap M12 |
|  | V1/V3-LABELHOLDER | Label holder |
|  | V1/V3-LABEL | Label plate |
|  | MH V1-Holder | Modular universal holder for M12 connectors |
|  | V1-CLIP | Unlocking protector for M12 connector |
|  | V1-MARKING-RING-COLOR | Marking rings for M12 connectors, various colors |