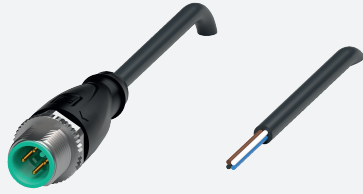


Cable connector

V1S-G-BK10M-PVC-U

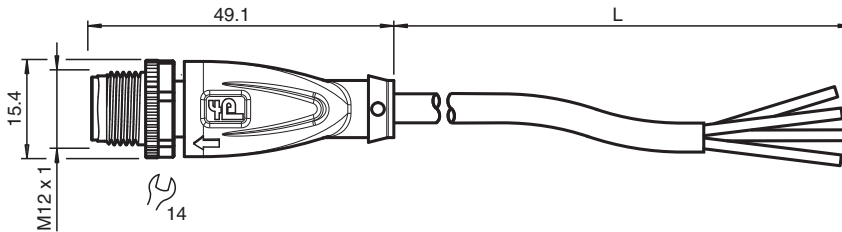


- Degree of protection IP68 / IP69
- UL listed for USA and Canada
- Specific design protects against loosening and inaccurate installation

Male cordset single-ended M12 straight A-coded, 4-pin, PVC cable black, UL approved



Dimensions



Technical Data

General specifications

| | |
|--------------------|------------------|
| Connector 1 | |
| Connection | plug |
| Construction type | M12 |
| Style | straight |
| Locking | screw connection |
| Number of pins | 4 |
| Coding | A-coded |
| Connector 2 | |
| Connection | cable end |

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 | UL 1581 , IEC 60332-1-2 |
| Halogen-free | IEC 60754-1 |

Approvals and certificates

| | |
|----------------|---|
| UL approval | AWM STYLE 2095 AWM I/II A/B 80°C 300V FT1 (cable) |
| UL File Number | E231213 |

Ambient conditions

| | |
|---------------------|--------------------------------|
| Ambient temperature | |
| Plug connector | -40 ... 90 °C (-40 ... 194 °F) |

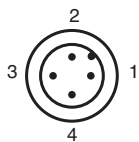
Release date: 2023-08-31 Date of issue: 2023-08-31 Filename: 240771-0013_eng.pdf

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

Technical Data



| | | |
|----------------------------------|---|---|
| Cable, fixed | | -25 ... 80 °C (-13 ... 176 °F) |
| Cable, flexing | | -5 ... 80 °C (23 ... 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 |
| Degree of protection | | IP68 / IP69 |
| Cable | | |
| Sheath diameter | | 4.3 mm |
| Bending radius | | > 15 x cable diameter, moving > 5 x cable diameter, fixed |
| Sheath stripping force | | max. 50 N / 300 mm |
| Sheath color | | black (similar to RAL 9005) |
| 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 |
| Length | L | 10 m |
| Cable code | | Li YY 4 x 0,34 |
| Material | | |
| Plug connector | | |
| Screw connection | | Zinc diecast, nickel-plated |
| Body | | TPU, black |
| Contact surface | | gold plated (Au) |
| Flammability | | V-2 |
| Cable | | |
| Sheathing | | PVC |
| Core insulation | | PVC |
| Flammability | | FT1 |

Connection








| | |
|---|----|
| 1 | BN |
| 2 | WH |
| 3 | BU |
| 4 | BK |

Accessories

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

Accessories

| | | |
|---|------------------------------|--|
|  | 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 |