

# Connection cable

## V1-G-BK0,6M-PVC-U-V1-W

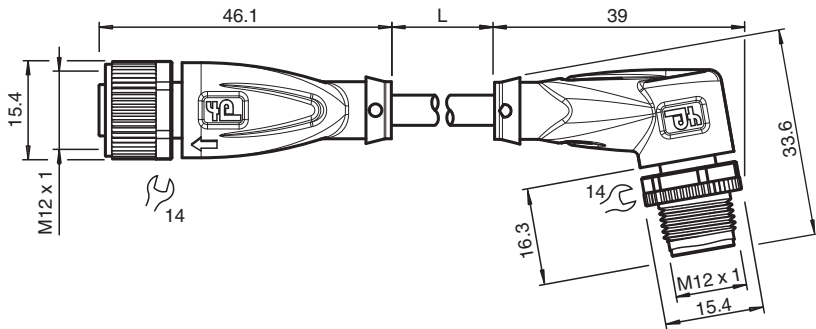


- Degree of protection IP68 / IP69
- UL listed for USA and Canada
- Specific design protects against loosening and inaccurate installation

Cordset M12 socket straight to M12 plug angled A-coded, 4-pin, PVC cable black, UL approved



### Dimensions



### Technical Data

| General specifications    |                |                                     |
|---------------------------|----------------|-------------------------------------|
| Connector 1               |                |                                     |
| Connection                |                | socket                              |
| Construction type         |                | M12                                 |
| Style                     |                | straight                            |
| Locking                   |                | screw connection                    |
| Number of pins            |                | 4                                   |
| Coding                    |                | A-coded                             |
| Connector 2               |                |                                     |
| Connection                |                | plug                                |
| Construction type         |                | M12                                 |
| Style                     |                | angled                              |
| Locking                   |                | screw connection                    |
| Number of pins            |                | 4                                   |
| Coding                    |                | A-coded                             |
| Electrical specifications |                |                                     |
| Operating voltage         | U <sub>B</sub> | max. 250 V AC/DC                    |
| Operating current         | I <sub>B</sub> | max. 4 A                            |
| Conformity                |                |                                     |
| Degree of protection      |                | EN 60529                            |
| Plug connection           |                | connector M12 x 1 : IEC 61076-2-101 |

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

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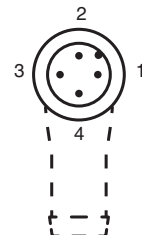
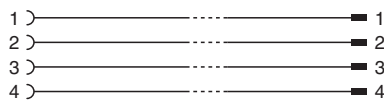
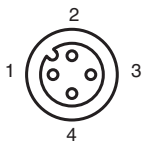
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**PEPPERL+FUCHS**

Technical Data

|                            |   |                                                                 |
|----------------------------|---|-----------------------------------------------------------------|
| Flammability               |   | UL 1581 , IEC 60332-1-2                                         |
| 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)                                  |
| 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                      |   | according to IEC/EN 60228 (DIN VDE 0295) class 5                |
| Sheath diameter            |   | 4.3 mm                                                          |
| Bending radius             |   | > 15 x cable diameter, moving<br>> 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 mm²                                                        |
| 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                                                  |
| Length                     | L | 0.6 m                                                           |
| Cable code                 |   | Li YY 4 x 0,34                                                  |
| Material                   |   |                                                                 |
| Plug connector             |   |                                                                 |
| Screw connection           |   | Zinc diecast, nickel-plated                                     |
| Body                       |   | TPU, black                                                      |
| Seal                       |   | FKM                                                             |
| Contact surface            |   | gold plated (Au)                                                |
| Flammability               |   | V-2                                                             |
| Cable                      |   |                                                                 |
| Sheathing                  |   | PVC                                                             |
| Core insulation            |   | PVC                                                             |
| Flammability               |   | FT1                                                             |

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## Accessories

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