

Connection cable

V1-G-E8-BK0,5M-PVC-U-V1-G

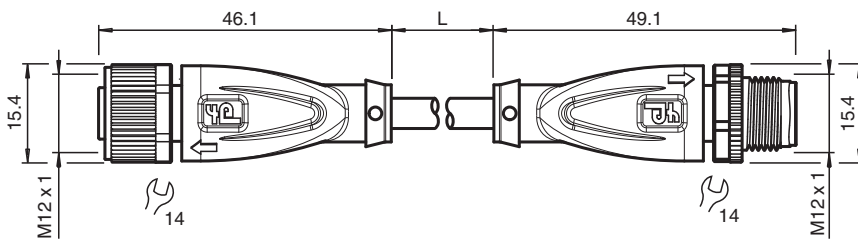


- Built-in LED, as operating and function indicator
- Degree of protection IP68 / IP69
- UL listed for USA and Canada
- Specific design protects against loosening and inaccurate installation

Cordset M12 socket straight A-coded LED 4-pin to M12 plug straight 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 | | straight | |
| Locking | | screw connection | |
| Number of pins | | 4 | |
| Coding | | A-coded | |
| Indicators/operating means | | | |
| LED green | | Operating display | |
| LED yellow | | Functional display pin 4 | |
| LED red | | Functional display pin 2 | |
| Electrical specifications | | | |
| Operating voltage | U _B | max. 24 V DC -20 % / +25 % | |
| Operating current | I _B | max. 4 A | |
| Conformity | | | |

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

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Technical Data

| | | |
|-----------------------------------|---|---|
| Degree of protection | | EN 60529 |
| Plug connection | | connector M12 x 1 : IEC 61076-2-101 |
| 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 > 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 | 0.5 m |
| Cable code | | Li YY 4 x 0,34 |
| Material | | |
| Plug connector | | |
| Screw connection | | Zinc diecast, nickel-plated |
| Body | | TPU, transparent/black |
| Seal | | FKM |
| Contact surface | | gold plated (Au) |
| Flammability | | V-2 |
| Cable | | |
| Sheathing | | PVC |
| Core insulation | | PVC |
| Flammability | | FT1 |

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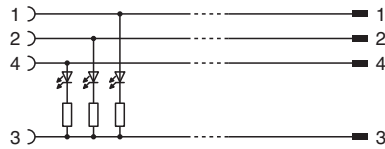
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Connection



Accessories

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