

## Connection cable

### V3-GM-BK1,5M-PVC-U-V11-G

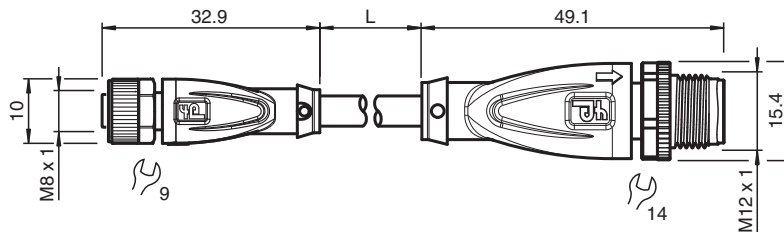


- Degree of protection IP68
- UL listed for USA and Canada
- Specific design protects against loosening and inaccurate installation

Cordset M8 socket straight to M12 plug straight A-coded, 3-pin, PVC cable black, UL approved



## Dimensions



## Technical Data

### General specifications

| Connector 1       |                  |
|-------------------|------------------|
| Connection        | socket           |
| Construction type | M8               |
| Style             | straight         |
| Locking           | screw connection |
| Number of pins    | 3                |
| Coding            | A-coded          |
| Connector 2       |                  |
| Connection        | plug             |
| Construction type | M12              |
| Style             | straight         |
| Locking           | screw connection |
| Number of pins    | 3                |
| Coding            | A-coded          |

### Electrical specifications

|                   |       |                        |
|-------------------|-------|------------------------|
| Operating voltage | $U_B$ | max. 48 V AC / 60 V DC |
| Operating current | $I_B$ | max. 3 A               |

### Conformity

|                      |   |
|----------------------|---|
| Degree of protection | EN 60529  |
| Plug connection      | connector M8 x 1 : IEC 61076-2-104<br>connector M12 x 1 : IEC 61076-2-101 |
| Flammability         | UL 1581 , IEC 60332-1-2   |

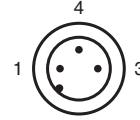
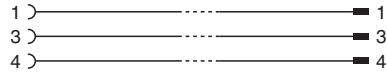
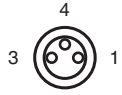
### Approvals and certificates

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## Technical Data

|                                  |   |       |
|----------------------------------|---|-------|
| UL approval                      | AWM STYLE 2095 AWM I/II A/B 80°C 300V FT1 (cable)                                       |       |
| UL File Number                   | E231213   |       |
| <b>Ambient conditions</b>        |   |       |
| Ambient temperature              |   |       |
| Plug connector                   | -40 ... 90 °C (-40 ... 194 °F)  |       |
| Cable, fixed installation        | -25 ... 80 °C (-13 ... 176 °F)  |       |
| Cable, flexing                   | -5 ... 80 °C (23 ... 176 °F)  |       |
| Pollution degree                 | 3   |       |
| <b>Mechanical specifications</b> |   |       |
| Connector 1                      |   |       |
| Tightening torque                | 0.4 Nm  |       |
| Loosening protection             | available   |       |
| Tool installation                | straight knurling and hexagon nut SW = 9 mm   |       |
| Mating cycles                    | min. 100  |       |
| Degree of protection             | IP68  |       |
| Connector 2                      |   |       |
| 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, movable installation<br>> 5 x cable diameter, fixed installation |       |
| Sheath stripping force           | max. 50 N / 300 mm  |       |
| Sheath color                     | black (similar to RAL 9005)   |       |
| Number of cores                  | 3   |       |
| Core cross section               | 0.34 mm <sup>2</sup>  |       |
| Cores color                      | Core 1: brown<br>Core 3: blue<br>Core 4: black  |       |
| Core construction                | 19 x 0.15 mm Ø  |       |
| Length                           | L   | 1.5 m |
| Cable code                       | Li YY 3 x 0,34  |       |
| <b>Material</b>                  |   |       |
| 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   |       |

### Connection Assignment



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