

# Connection cable

## V19-G-BK0,6M-PUR-U-V19-G

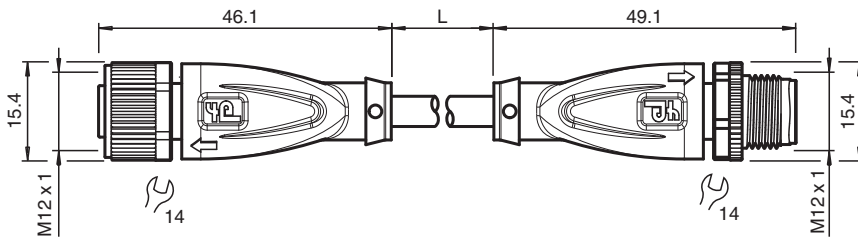


- Suitable for drag chains and abrasion resistant
- Degree of protection IP68 / IP69
- Free of paint wetting interfering substances
- Resistant to microbes and hydrolysis
- UV resistant
- UL listed for USA and Canada
- Halogen-free
- Specific design protects against loosening and inaccurate installation

Cordset M12 socket straight to M12 plug straight A-coded, 8-pin, PUR cable black, UL approved, drag chain suitable



### Dimensions



### Technical Data

#### General specifications

|                                  |       |                                     |
|----------------------------------|-------|-------------------------------------|
| <b>Connector 1</b>               |       |                                     |
| Connection                       |       | socket                              |
| Construction type                |       | M12                                 |
| Style                            |       | straight                            |
| Locking                          |       | screw connection                    |
| Number of pins                   |       | 8                                   |
| Coding                           |       | A-coded                             |
| <b>Connector 2</b>               |       |                                     |
| Connection                       |       | plug                                |
| Construction type                |       | M12                                 |
| Style                            |       | straight                            |
| Locking                          |       | screw connection                    |
| Number of pins                   |       | 8                                   |
| Coding                           |       | A-coded                             |
| <b>Electrical specifications</b> |       |                                     |
| Operating voltage                | $U_B$ | max. 30 V AC/DC                     |
| Operating current                | $I_B$ | max. 2 A                            |
| <b>Conformity</b>                |       |                                     |
| Degree of protection             |       | EN 60529                            |
| Plug connection                  |       | connector M12 x 1 : IEC 61076-2-101 |
| Flammability                     |       | UL 1581; DIN EN 60332-2-2           |
| Halogen-free                     |       | IEC 60754-1                         |

Release date: 2024-10-04 Date of issue: 2024-10-04 Filename: 240775-100039\_eng.pdf

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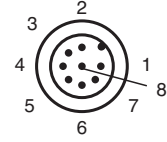
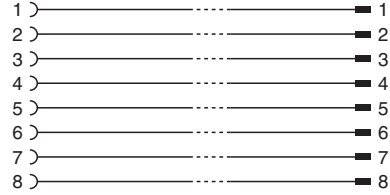
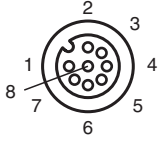
| Approvals and certificates |   |  |
|----------------------------|---|--|
| UL approval                |   | AWM STYLE 20549 AWM I/II A/B 80°C 300V FT2 (cable)   |
| UL File Number             |   | E231213  |
| Ambient conditions         |   |  |
| Ambient temperature        |   |  |
| Plug connector             |   | -40 ... 90 °C (-40 ... 194 °F)   |
| Cable, fixed               |   | -40 ... 80 °C (-40 ... 176 °F)   |
| Cable, flexing             |   | -20 ... 80 °C (-4 ... 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            |   | 6 mm   |
| Bending radius             |   | > 10 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            |   | 8  |
| Core cross section         |   | 0.25 mm <sup>2</sup>   |
| Cores color                |   | Core 1: white<br>Core 2: brown<br>Core 3: green<br>Core 4: yellow<br>Core 5: grey<br>Core 6: pink<br>Core 7: blue<br>Core 8: red |
| Core construction          |   | 32 x 0.1 mm Ø  |
| Length                     | L | 0.6 m  |
| Cable code                 |   | Li 9Y 11Y 8 x 0,25   |
| Drag chain suitability     |   |  |
| Drag chain cycles          |   | min. 5000000   |
| Motion velocity            |   | max. 3 m/s   |
| Traverse distance          |   | max. 10 m  |
| Acceleration               |   | max. 5 m/s <sup>2</sup>  |
| Mass                       |   | 50.58 g  |
| Material                   |   |  |
| PWIS free                  |   | yes  |
| Halogen-free               |   | yes  |
| Plug connector             |   |  |
| Screw connection           |   | Zinc diecast, nickel-plated  |
| Body                       |   | TPU, black   |
| Seal                       |   | FKM  |
| Contact surface            |   | gold plated (Au)   |
| Flammability               |   | V-2  |
| Cable                      |   |  |
| Sheathing                  |   | PUR based on polyether   |
| Cores                      |   | bare copper (Cu)   |
| Core insulation            |   | PP   |
| UV resistance              |   | yes  |
| Chemical resistance        |   | good   |

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|                              |     |
|------------------------------|-----|
| Oil resistance               | yes |
| Cooling lubricant resistance | yes |
| Microbial resistance         | yes |
| Hydrolysis resistance        | yes |
| Flammability                 | FT2 |

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