

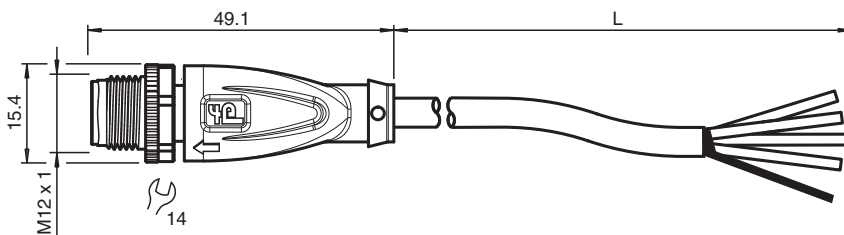
## Cable connector, Ethernet V1SD-G-GN20M-PUR-E1S

- Hard-wearing PUR cable
- Suitable for drag chains and abrasion resistant
- D coding for Ethernet
- Conforms to PROFINET
- CAT5/CAT5e cable
- Degree of protection IP68 / IP69
- Free of paint wetting interfering substances
- UL listed for USA and Canada
- Halogen-free
- Specific design protects against loosening and inaccurate installation

Ethernet bus cable male cordset single-ended M12 straight D-coded 4-pin, PUR cable green, Cat5e, shielded, drag chain suitable, UL approved



### Dimensions



### Technical Data

| General specifications     |       |   |  |
|----------------------------|-------|---|--|
| <b>Connector 1</b>         |       |   |  |
| Connection                 |       | plug  |  |
| Construction type          |       | M12   |  |
| Style                      |       | straight  |  |
| Locking                    |       | screw connection  |  |
| Number of pins             |       | 4   |  |
| Coding                     |       | D-coded   |  |
| <b>Connector 2</b>         |       |   |  |
| 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                         |  |
| Component category         |       | CAT5 (IEC 11801) , CAT5e (IEC 61156-6)                      |  |
| Flammability               |       | IEC 60332-1-2 / UL 2556 / ISO 6722-1 5.22 (UN ECE-R 118.01) |  |
| Approvals and certificates |       |   |  |
| UL approval                |       | AWM STYLE 20549 80 °C 300V AWM I A/B 80 °C 300V FT2 (cable) |  |
| UL File Number             |       | E231213   |  |
| Ambient conditions         |       |   |  |

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

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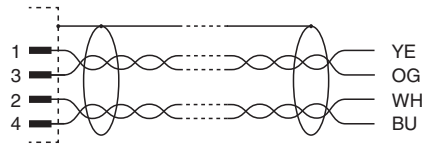
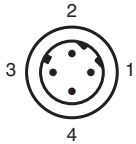
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## Technical Data

|                                  |   |   |
|----------------------------------|---|---|
| Ambient temperature              |   |   |
| Plug connector                   |   | -40 ... 90 °C (-40 ... 194 °F)  |
| Cable, fixed installation        |   | -30 ... 70 °C (-22 ... 158 °F)  |
| Cable, flexing                   |   | -20 ... 70 °C (-4 ... 158 °F)   |
| <b>Mechanical specifications</b> |   |   |
| Plug connector                   |   |   |
| Tightening torque                |   | 0.6 Nm  |
| Loosening protection             |   | integrated  |
| Tool installation                |   | straight knurling and hexagon nut SW = 14 mm  |
| Mating cycles                    |   | min. 100  |
| Shielding                        |   | shield connected to screw connection  |
| Degree of protection             |   | IP68 / IP69   |
| Cable                            |   |   |
| Sheath diameter                  |   | 6 mm  |
| Bending radius                   |   | > 10 x cable diameter, movable installation<br>> 8 x cable diameter, fixed installation |
| Sheath stripping force           |   | max. 60 N / 100 mm  |
| Sheath color                     |   | green (similar to RAL 6018)   |
| Number of cores                  |   | 4   |
| Core cross section               |   | 0.34 mm <sup>2</sup> / 22 AWG   |
| Coors color                      |   | Core 1: yellow<br>Core 2: white<br>Core 3: orange<br>Core 4: blue                       |
| Core construction                |   | 7 x 0.254 mm Ø<br>twisted quad  |
| Shield                           |   | aluminum-lined polyester foil<br>Tinned copper braiding                                 |
| Length                           | L | 20 m  |
| Drag chain suitability           |   |   |
| Drag chain cycles                |   | max. 1000000  |
| Motion velocity                  |   | max. 3 m/s  |
| Traverse distance                |   | max. 5 m  |
| Acceleration                     |   | max. 2 m/s <sup>2</sup>   |
| Mass                             |   | 1053.33 g   |
| <b>Material</b>                  |   |   |
| PWIS free                        |   | yes   |
| Halogen-free                     |   | yes   |
| Plug connector                   |   |   |
| Screw connection                 |   | Zinc diecast, nickel-plated   |
| Body                             |   | TPU, black  |
| Contact surface                  |   | Au  |
| Flammability                     |   | V-2   |
| Cable                            |   |   |
| Sheathing                        |   | PUR based on polyether  |
| Coors                            |   | bare copper (Cu)  |
| Core insulation                  |   | PP  |
| Flammability                     |   | FT2<br>complies with UN ECE-R 118.01  |

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## Connection



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