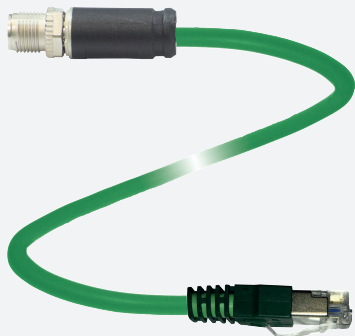




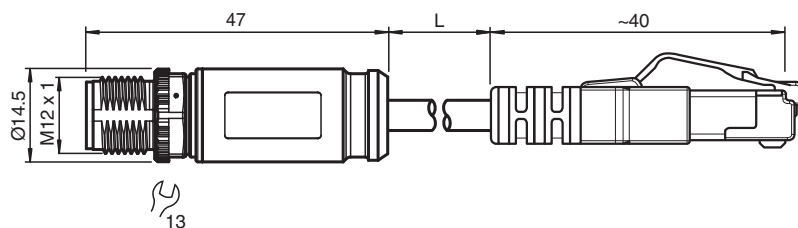
## Connection cable, Ethernet V19SX-G-GN20M-PUR-E2S-V45-G

- Hard-wearing PUR cable
- Industrial Ethernet
- UL listed for USA and Canada
- Halogen-free
- Screw connection suitable for tool assembly
- Immunity to vibration, with mechanical latching

Ethernet bus cable M12 plug straight X-coded to RJ45 plug straight Ethernet-coded, 8-pin, PUR cable green, Cat6A, pairs shielded and overall shield



### Dimensions



### Technical Data

#### General specifications

|                   |  |                  |
|-------------------|--|------------------|
| Connector 1       |  |                  |
| Connection        |  | plug             |
| Construction type |  | M12              |
| Style             |  | straight         |
| Locking           |  | screw connection |
| Number of pins    |  | 8                |
| Coding            |  | X-coded          |
| Connector 2       |  |                  |
| Connection        |  | plug             |
| Construction type |  | RJ45             |
| Style             |  | straight         |
| Locking           |  | snap locking     |
| Number of pins    |  | 8                |
| Coding            |  | EtherNet/IP      |
| UL File Number    |  | E520112          |

#### Electrical specifications

|                   |       |                        |
|-------------------|-------|------------------------|
| Operating voltage | $U_B$ | max. 50 V AC / 60 V DC |
| Operating current | $I_B$ | max. 0.5 A             |

#### Conformity

|                      |  |                                                                     |
|----------------------|--|---------------------------------------------------------------------|
| Degree of protection |  | EN 60529                                                            |
| Fieldbus standard    |  | IEEE 802.3an 10GBASE-T                                              |
| Plug connection      |  | connector M12 x 1 : IEC 61076-2-109<br>connector RJ45 : IEC 60603-7 |

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

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## Technical Data

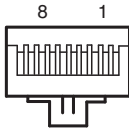
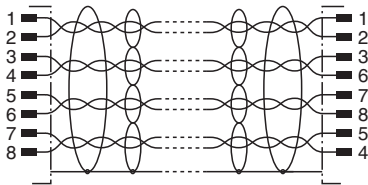
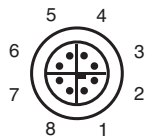
|                                  |                             |                                                                                                                                                              |
|----------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Component category               | CAT6A (IEC 11801, EN 50173) |                                                                                                                                                              |
| Flammability                     |                             | IEC 60332-1-2 , UL 1581                                                                                                                                      |
| <b>Ambient conditions</b>        |                             |                                                                                                                                                              |
| Ambient temperature              |                             |                                                                                                                                                              |
| Cable, fixed installation        |                             | -40 ... 85 °C (-40 ... 185 °F)                                                                                                                               |
| Cable, flexing                   |                             | -10 ... 60 °C (14 ... 140 °F)                                                                                                                                |
| Pollution degree                 |                             | 3                                                                                                                                                            |
| <b>Mechanical specifications</b> |                             |                                                                                                                                                              |
| Connector 1                      |                             |                                                                                                                                                              |
| Tightening torque                |                             | 0.6 Nm                                                                                                                                                       |
| Loosening protection             |                             | integrated                                                                                                                                                   |
| Tool installation                |                             | straight knurling , hexagon nut SW = 13 mm                                                                                                                   |
| Mating cycles                    |                             | min. 100                                                                                                                                                     |
| Shielding                        |                             | shield connected to screw connection                                                                                                                         |
| Degree of protection             |                             | IP67                                                                                                                                                         |
| Connector 2                      |                             |                                                                                                                                                              |
| Loosening protection             |                             | integrated                                                                                                                                                   |
| Mating cycles                    |                             | min. 750                                                                                                                                                     |
| Shielding                        |                             | shield connected to connector                                                                                                                                |
| Degree of protection             |                             | IP20                                                                                                                                                         |
| Cable                            |                             | according to IEC/EN 60228 (DIN VDE 0295) class 5                                                                                                             |
| Sheath diameter                  |                             | 6.2 mm                                                                                                                                                       |
| Bending radius                   |                             | max. 50 mm movable installation<br>max. 25 mm fixed installation                                                                                             |
| Sheath color                     |                             | green (similar to RAL 6018)                                                                                                                                  |
| Number of cores                  |                             | 8                                                                                                                                                            |
| Core cross section               |                             | 0.14 mm <sup>2</sup>                                                                                                                                         |
| Cores color                      |                             | Core 1: white/orange<br>Core 2: orange<br>Core 3: white/green<br>Core 4: green<br>Core 5: white/brown<br>Core 6: brown<br>Core 7: white/blue<br>Core 8: blue |
| Core construction                |                             | 7 x 0.404 mm Ø twisted pairs , twisted pair shield                                                                                                           |
| Shield                           |                             | tinned copper braiding<br>twisted pair shield : aluminum-lined polyester foil                                                                                |
| Length                           | L                           | 20 m                                                                                                                                                         |
| Cable code                       |                             | Li 02YSC 11Y 4 x 2 x 0,14 (AWG26/7)                                                                                                                          |
| Mass                             |                             | 825 g                                                                                                                                                        |
| <b>Material</b>                  |                             |                                                                                                                                                              |
| Halogen-free                     |                             | yes                                                                                                                                                          |
| Connector 1                      |                             |                                                                                                                                                              |
| Screw connection                 |                             | Zinc diecast, nickel-plated                                                                                                                                  |
| Body                             |                             | TPU, black                                                                                                                                                   |
| Contact surface                  |                             | Ni/Au                                                                                                                                                        |
| Flammability                     |                             | V-2                                                                                                                                                          |
| Connector 2                      |                             |                                                                                                                                                              |
| Body                             |                             | PC                                                                                                                                                           |
| Contact surface                  |                             | Ni/Au                                                                                                                                                        |
| Flammability                     |                             | V-0                                                                                                                                                          |
| Cable                            |                             |                                                                                                                                                              |
| Sheathing                        |                             | PUR                                                                                                                                                          |
| Cores                            |                             | bare copper (Cu)                                                                                                                                             |
| Core insulation                  |                             | PE                                                                                                                                                           |

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Technical Data

|                |  |     |
|----------------|--|-----|
| UV resistance  |  | yes |
| Oil resistance |  | yes |
| Flammability   |  | FT1 |

Connection



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