

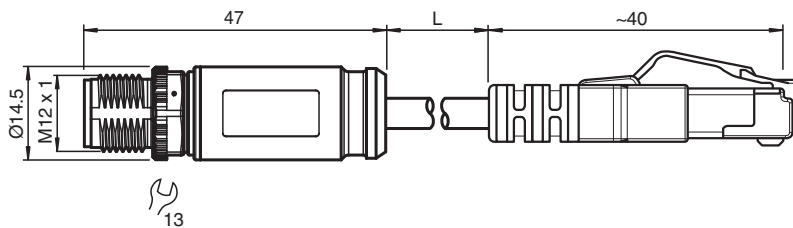
## Connection cable, Ethernet V19SX-G-GN60M-PUR-E2S-V45-G

- 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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## 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  | 60 m |
| Cable code                       | Li 02YSC 11Y 4 x 2 x 0,14 (AWG26/7)  |      |
| Mass                             | 2445 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

