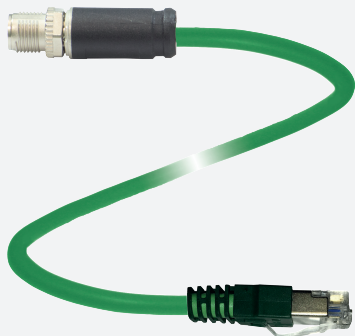




## Connection cable, Ethernet

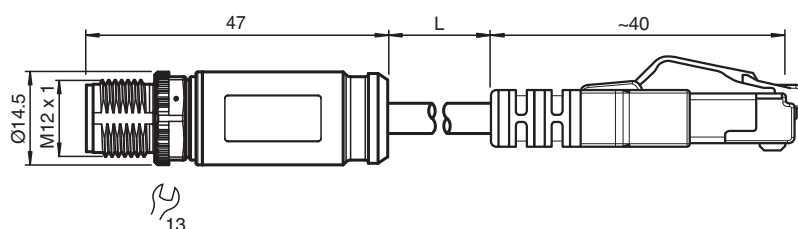
### V19SX-G-GN1,5M-PUR-E2S-V45-G

- Hard-wearing PUR cable
- Industrial Ethernet
- UL listed for USA and Canada
- Degree of protection IP20
- 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  |

### 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 |
| Component category   | CAT6A (IEC 11801, EN 50173)                                         |

Release date: 2026-09-04 Date of issue: 2026-09-04 Filename: 70211450\_eng.pdf

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

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 **PEPPERL+FUCHS**

## Technical Data

|                            |   |                         |                                                                                                                                                              |
|----------------------------|---|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flammability               |   | IEC 60332-1-2 , UL 1581 |                                                                                                                                                              |
| Approvals and certificates |   |                         |                                                                                                                                                              |
| UL File Number             |   | E520112                 |                                                                                                                                                              |
| Ambient conditions         |   |                         |                                                                                                                                                              |
| Ambient temperature        |   |                         |                                                                                                                                                              |
| Cable, fixed installation  |   |                         | -40 ... 85 °C (-40 ... 185 °F)                                                                                                                               |
| Cable, flexing             |   |                         | -10 ... 60 °C (14 ... 140 °F)                                                                                                                                |
| Pollution degree           |   |                         | 3                                                                                                                                                            |
| Mechanical specifications  |   |                         |                                                                                                                                                              |
| 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 mm²                                                                                                                                                     |
| 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 |                         | 1.5 m                                                                                                                                                        |
| Cable code                 |   |                         | Li 02YSC 11Y 4 x 2 x 0,14 (AWG26/7)                                                                                                                          |
| Mass                       |   |                         | 77 g                                                                                                                                                         |
| Material                   |   |                         |                                                                                                                                                              |
| 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)                                                                                                                                             |

Release date: 2026-09-04 Date of issue: 2026-09-04 Filename: 70211450\_eng.pdf

Technical Data

|                      |                                     |
|----------------------|-------------------------------------|
| Core insulation      | PE                                  |
| UV resistance        | yes                                 |
| Oil resistance       | yes                                 |
| Flammability         | FT1                                 |
| General information  |                                     |
| Cable marking sleeve | 2x PUR transparent , fixed to cable |

Connection Assignment

