



Connection cable, Ethernet V19SX-G-GN10M-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 connector RJ45 : IEC 60603-7 |

Release date: 2023-07-04 Date of issue: 2023-07-04 Filename: 70117754_eng.pdf

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PF PEPPERL+FUCHS

Technical Data

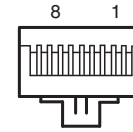
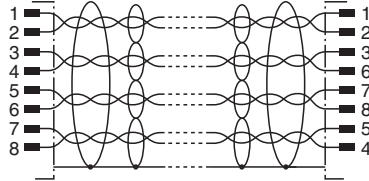
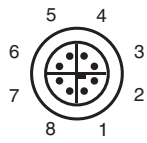
| | | |
|----------------------------------|--|------|
| Component category | CAT6A (IEC 11801, EN 50173) | |
| Flammability | IEC 60332-1-2 , UL 1581 | |
| Ambient conditions | | |
| Ambient temperature | | |
| Cable, fixed | -40 ... 85 °C (-40 ... 185 °F) | |
| Cable, flexing | -10 ... 60 °C (14 ... 140 °F) | |
| Pollution degree | 3 | |
| Mechanical specifications | | |
| Connector 1 | | |
| Tightening torque | 0.6 Nm | |
| Loosening protection | available | |
| 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 | available | |
| 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 active max. 25 mm fixed | |
| Sheath color | green (similar to RAL 6018) | |
| Number of cores | 8 | |
| Core cross section | 0.14 mm ² | |
| Cores color | Core 1: white/orange Core 2: orange Core 3: white/green Core 4: green Core 5: white/brown Core 6: brown Core 7: white/blue Core 8: blue | |
| Core construction | 7 x 0.404 mm Ø twisted pairs , twisted pair shield | |
| Shield | tinned copper braiding twisted pair shield : aluminum-lined polyester foil | |
| Length | L | 10 m |
| Cable code | Li 02YSC 11Y 4 x 2 x 0,14 (AWG26/7) | |
| 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 | |
| Core insulation | PE | |
| UV resistance | yes | |
| Oil resistance | yes | |

Release date: 2023-07-04 Date of issue: 2023-07-04 Filename: 70117754_eng.pdf








Technical Data

| | |
|--------------|-----|
| Flammability | FT1 |
|--------------|-----|

Connection



Accessories

| | | |
|---|------------------------------|--|
|  | MH V1-SCREWDRIVER | Torque screwdriver (0.6 Nm) |
|  | MH V1-BIT M12 | plug-in cap M12 |
|  | V1/V3-LABELHOLDER | Label holder |
|  | V1/V3-LABEL | Label plate |
|  | MH V1-Holder | Modular universal holder for M12 connectors |
|  | V1-CLIP | Unlocking protector for M12 connector |
|  | V1-MARKING-RING-COLOR | Marking rings for M12 connectors, various colors |

Release date: 2023-07-04 Date of issue: 2023-07-04 Filename: 70117754_eng.pdf