

Connection cable, Ethernet

V1D-G-GN1M-PUR-E1S-V1D-G

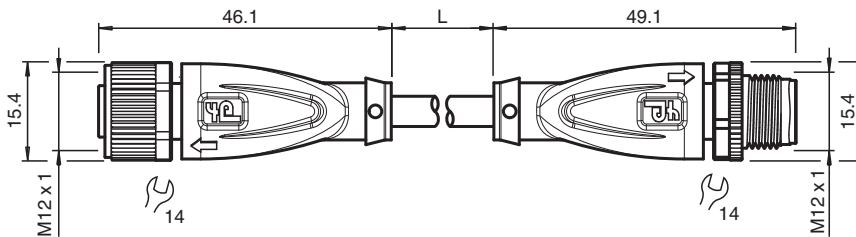


- Hard-wearing PUR cable
- Suitable for drag chains and abrasion resistant
- D coding for Ethernet
- Conforms to PROFINET
- CAT5/CAT5e cable
- Degree of protection IP68 / IP69
- Free of paint wetting interfering substances
- UL listed for USA and Canada
- Halogen-free
- Specific design protects against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

Ethernet bus cable M12 socket straight to M12 plug straight D-coded, 4-pin, PUR cable green, Cat5e, shielded, drag chain suitable, UL approved



Dimensions



Technical Data

General specifications

Connector 1

| | |
|-------------------|------------------|
| Connection | socket |
| Construction type | M12 |
| Style | straight |
| Locking | screw connection |
| Number of pins | 4 |
| Coding | D-coded |

Connector 2

| | |
|-------------------|------------------|
| Connection | plug |
| Construction type | M12 |
| Style | straight |
| Locking | screw connection |
| Number of pins | 4 |
| Coding | D-coded |

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) |

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Technical Data

| | | |
|--|---|---|
| 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 | | |
| 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) |
| Mechanical specifications | | |
| 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 |
| Connector 1 | | |
| Loosening protection | | |
| Degree of protection | | IP68 / IP69 |
| Cable | | |
| according to IEC/EN 60228 (DIN VDE 0295) class 5 | | |
| Sheath diameter | | 6 mm |
| Bending radius | | > 10 x cable diameter, movable installation > 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 ² / 22 AWG |
| Cores color | | Core 1: yellow Core 2: white Core 3: orange Core 4: blue |
| Core construction | | 7 x 0.254 mm Ø twisted quad |
| Shield | | aluminum-lined polyester foil Tinned copper braiding |
| Length | L | 1 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 ² |
| Mass | | 80.71 g |
| Material | | |
| PWIS free | | yes |
| Halogen-free | | yes |
| Plug connector | | |
| Screw connection | | Zinc diecast, nickel-plated |
| Body | | TPU, black |
| Seal | | FKM |
| Contact surface | | Au |
| Flammability | | V-2 |
| Cable | | |
| Sheathing | | PUR based on polyether |
| Cores | | bare copper (Cu) |
| Core insulation | | PP |

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Technical Data

Flammability

FT2
complies with UN ECE-R 118.01

Connection

