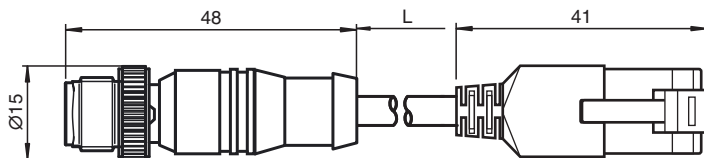


Connection cable

V1SD-G-GN3M-TPE-A1S-V45-G

- D coding for Ethernet
- CAT5/CAT5e cable
- Completely silicon free
- Shield attached to coupling nut
- Weld spatter resistant
- Sunlight resistant
- Oil resistant
- Suitable for drag chains
- Highly flexible

Ethernet bus cable, M12 to M12, D-coded, TPE cable 4-pin, CAT5e, shielded



Technical Data

General specifications

| | |
|---------------------|----------------|
| Number of pins | 4 |
| Connection 1 | Male connector |
| Construction type 1 | straight |
| Threading 1 | M12 |
| Connection 2 | Male connector |
| Construction type 2 | straight |
| Threading 2 | RJ-45 |

Electrical specifications

| | | |
|-------------------|-------|------------------------------|
| Operating voltage | U_B | max. 60 V DC max. 48 V AC |
| Operating current | I_B | max. 4 A |
| Volume resistance | | $\leq 5 \text{ m}\Omega$ |

Compliance with standards and directives

| | |
|---------------------|---|
| Standard conformity | |
| Standards | CAT5 (IEC 11801:2002) , CAT5e (TIA 568B:2001) |

Ambient conditions

Release date: 2020-06-11 Date of issue: 2020-06-11 Filename: 917006_eng.pdf

Technical Data

| | | |
|----------------------------------|---|---|
| Ambient temperature | | -25 ... 90 °C (-13 ... 194 °F) cable, fixed: -40 ... 70 °C (-40 ... 158 °F) cable, flexing: -10 ... 50 °C (14 ... 122 °F) |
| Pollution degree | | 3 |
| Mechanical specifications | | |
| Degree of protection | | IP65 / IP67/ IP69K |
| Connection | | M12 x 1 connector , 4-pin , D-coded , RJ-45 , CAT5e |
| Material | | |
| Contacts | | CuSn |
| Contact surface | | Ni/Au |
| Body | | PVC, black |
| Cable | | TPE resistant to welding bead formation |
| Slotted nut | | brass nickel-plated |
| Core insulation | | Polyethylene (PE) |
| Cable | | 2 pairs with 2 wires each with 2 fillers for the core |
| Sheath diameter | | 6.6 mm |
| Bending radius | | > 34 mm |
| Color | | teal |
| Number of cores | | 4 |
| Core cross-section | | 0.25 mm ² |
| Conductor construction | | 7 x 0.32 mm Ø |
| Shield | | aluminum-lined polyester foil Tinned copper braiding, 75 % coverage |
| Length | L | 3 m |
| Drag chain suitability | | |
| Drag chain cycles | | ≥ 1000000 @ 10 x cable OD, minimum radius ≥ 10000000 @ 20 x cable OD, minimum radius |

Connection

