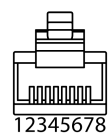
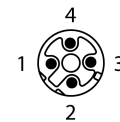
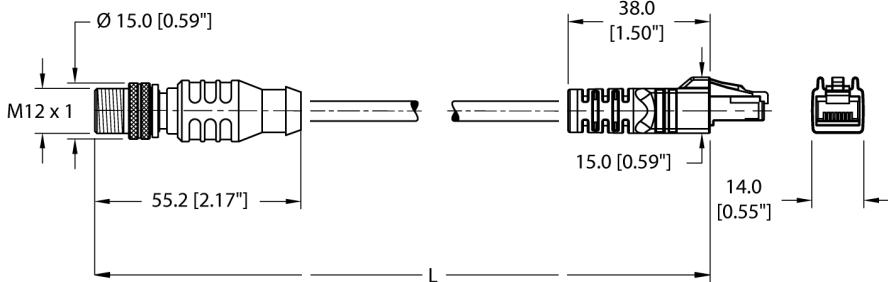


Verbindungsleitung RSSD RJ45 441-2M



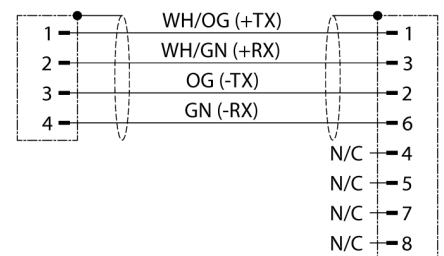
- M12 male connector, straight, 4-pin, D-coded
- RJ45, Male, Straight, 8-pin, Shielded
- Industrial Ethernet cable
- Fieldbus type: Ethernet CAT5E, TPE jacket, turquoise, shielded, 2UTP × 24 AWG
- -40 °C cold bending strength
- Fire classes: UL 1685, UL 1061
- Flexlife and C-Track approved
- Cable length: 2 m



| | |
|-------------------------|------------------|
| Type designation | RSSD RJ45 441-2M |
| Ident no. | U-08880 |

| | |
|---------------------------|--|
| Connector A | Male, M12 × 1, Straight, D-coded |
| Number of Pins | 4 |
| Contacts | Bronze, CuSn, Gold-plated |
| Contact carriers | Plastic, TPU, Black |
| Connector body | Plastic, TPU, Blue gray |
| Coupling nut/screw | Brass, CuZn, Nickel-plated |
| Mechanical lifespan | > 100 Mating cycles |
| Pollution degree | 3 |
| Protection class | IP67 |
| Tightening torque (range) | 0.8 ... 1 Nm (observe max. torque of mating connector!) |

Circuit Diagram



| | |
|--------------------|---------------------------|
| Connector B | Male, RJ45, Straight |
| Number of pins | 8 pins |
| Contacts | Bronze, CuSn, Gold-plated |
| Contact carriers | Plastic, PC, Transparent |
| Connector body | Plastic, TPU, Black |
| Pollution degree | 2 |
| Protection class | IP20 |

| | |
|--------------------|--|
| Cable | |
| Cable ID | RF51211 |
| Network protocol | 441 |
| Cable diameter | 6.73 |
| Cable length | 2 m, (+ 50 mm or 4 % of the length/-0.0, depending on which value is larger) m |
| Cable jacket | TPE, Teal |
| Shielding | Aluminum/polyester (OUT) |
| Conductor material | TC (tinned copper) |
| Core colors | OG, WH/OG, GN, WH/GN |

| | |
|--|-------|
| Electrical properties at +20 °C | |
| Rated voltage | 48VV |
| Current | 1.5 A |

Verbindungsleitung RSSD RJ45 441-2M

Mechanical and chemical properties

| | |
|--|--|
| Bending radius (stationary installation) | ≥ 4 x Ø |
| Bending radius (flexible use) | ≥ 10 x Ø |
| Torsional stress | ± 270 °/m |
| Torsion cycles | 3 million Cycles |
| Cold flexural strength | -40 °C |
| | When correctly installed at 20 °C, 50 % RH and a cycle speed of ≤ 0.5 cycles per second. |
| C-track | Yes |
| Ambient temperature range (stationary) | -40...+80°C |
| Ambient temperature range (In motion) | 5...+80°C |
| Ambient temperature during installation | -10...+80 °C |

| | |
|------------------|------|
| Approvals | CE |
| | RoHS |

Approval

Note

Using the cable in extreme temperatures, when it is exposed to certain chemicals and above the nominal cycle speed or below the nominal bending radius of the cable can reduce the flexural strength.