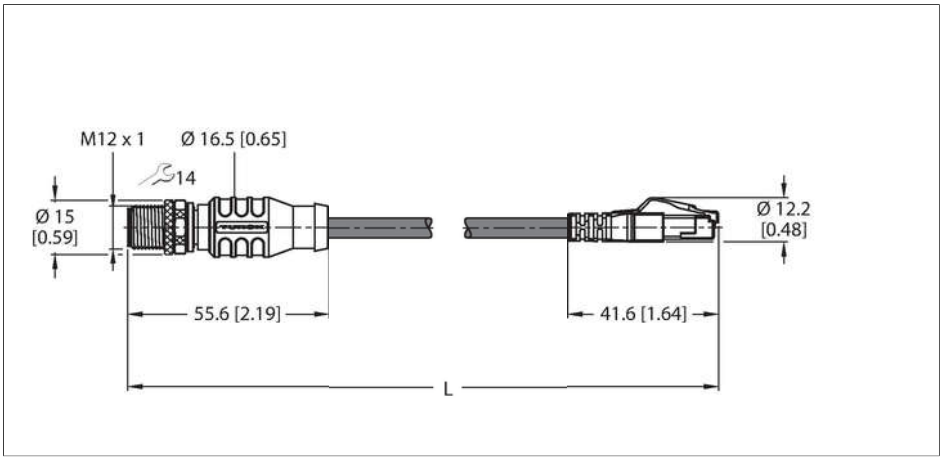
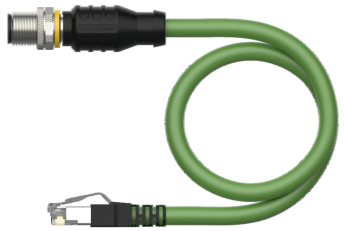
# RSSD-RJ45S-4422-100M
# Industrial Ethernet Cable – Extension Cable



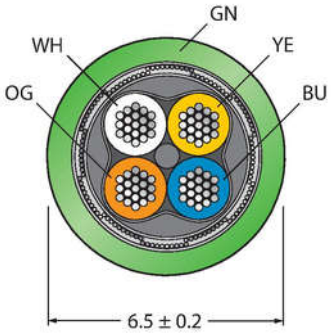
## Technical data

| | |
|---|---|
| Type | RSSD-RJ45S-4422-100M |
| ID | 6635176 |
| **Connector A** | Male, M12 × 1, Straight, D-coded |
| Number of pins | 4 |
| Contacts | Metal, CuZn, Gold-plated |
| Contact carriers | Plastic, TPU, Black |
| Connector body | Plastic, TPU, Black |
| Coupling nut/screw | Brass, CuZn, Nickel-plated |
| Tightening torque (range) | 0.8 … 1 Nm<br>(observe max. torque of mating connector!) |
| Mechanical lifespan | > 100 Mating cycles |
| Pollution degree | 3 |
| Protection class | IP67, Only in screwed condition |
| **Connector B** | Male, RJ45, Straight |
| Number of Pins | 4 |
| Contacts | Metal, CuSn, Gold-plated |
| Contact carriers | Plastic, PC, Black |
| Connector body | Plastic, TPU, Black |
| Mechanical life | > 1000 Mating cycles |
| Protection class | IP20 |
| **Cable** | |
| Network protocol | Ethernet |
| Cable diameter | Ø 6.5 mm ±0.20 |
| Cable length | 100 m |
| Cable jacket | PUR, Green |
| Shielding | Aluminum foil, tinned copper wire |
| Core insulation | TPE-O |

## Features

- Ethernet cable: 4-pin, AWG 22
- CAT 5E
- Jacket material: PUR
- Jacket color: green
- Shielding: overlapping aluminum foil, tinned copper wire
- Jacket diameter: 6.5 mm
- Suitable for drag chain use
- Oil resistant acc. to IEC 60811-2-1 and UL13
- Halogen free acc. to IEC 60754
- Flame retardant acc. to IEC 60332-1-2 and UL FT2, UN/ECE R118
- RoHS compliant
- PNO compliant
- UL
- RJ45 male connector
- M12 male connector, straight, D-coded
- Cable length: 100 m

## Cable Cross-Section




RSSD-RJ45S-4422-100M| 23-02-2025 10-47 | Technical modifications reserved

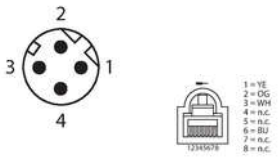
## Technical data

| | |
|---|---|
| Core cross-section | 4 x 0.32 mm² |
| Arrangement of strands | 7 x 0.25 mm |
| Core colors | WH, YE, BU, OG |
| **Electrical properties at +20 °C** | |
| Rated voltage | 42 V |
| Test voltage | 2000 V |
| Current | 1.5 A |
| DC resistance (loop) | 120 Ω/km |
| Nom. impedance | 100 Ω (1MHZ) |
| Nom. capacitance | 50 pF/m |
| **Mechanical and chemical properties** | |
| Bending radius (stationary installation) | ≥ 5 x Ø |
| Bending radius (flexible use) | ≥ 15 x Ø |
| Bending cycles | ≥ 5 million |
| Torsional stress | ± 180 °/m |
| Torsion cycles | Max. 100,000 |
| Ambient temperature (fixed) | -40…+80 °C |
| Ambient temperature (mobile) | -30…+80 °C |
| **Other Featues** | |
| Qualified for drag chain use | yes |
| Halogen-free | yes |
| PVC-free | yes |
| UV resistance | yes |
| Oil-resistant | yes |
| Flame-retardant | yes |
| Approvals | UL Listed |

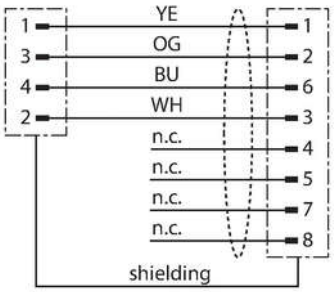
## Accessories

| | |
|---|---|
| TORQUE-WRENCH-SET-AS | 6936170 |
| | Torque wrench set; handles with adjustable torque 0.4-1.0 Nm, torque wrench for M8 (SW9), fork wrench for M12 (SW 14) |

## Contact assignment




## Circuit Diagram




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