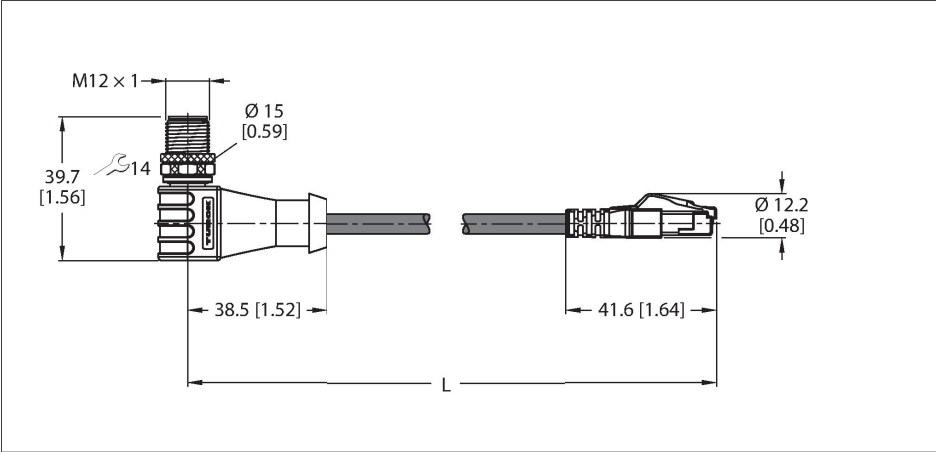


# WSSD-RJ45S-4422-100M

## Industrial Ethernet Cable



### Technical data

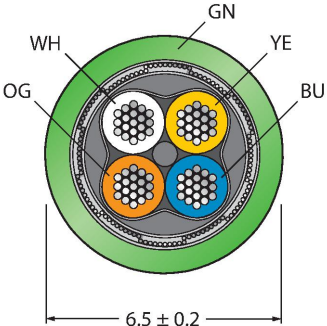
|                           |                                                            |
|---------------------------|------------------------------------------------------------|
| Type                      | WSSD-RJ45S-4422-100M                                       |
| ID                        | 6635214                                                    |
| Connector A               | Male, M12 x 1, Angled, D-coded                             |
| Number of Pins            | 4                                                          |
| Contacts                  | Metal, CuZn, Gold-plated                                   |
| Contact carriers          | Plastic, TPU, Gray                                         |
| 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



- Angled M12 male connector, 4-pin
- RJ45 male connector
- 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
- RoHS compliant
- PNO compliant
- UL
- Cable length: 100 m

### Cable Cross-Section



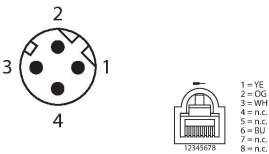
Technical data

|                                          |                  |
|------------------------------------------|------------------|
| 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                           | ≤ 100,000 Cycles |
| Ambient temperature range (stationary)   | -40...+80 °C     |
| Ambient temperature range (In motion)    | -30...+80 °C     |
| Other Features                           |                  |
| 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

