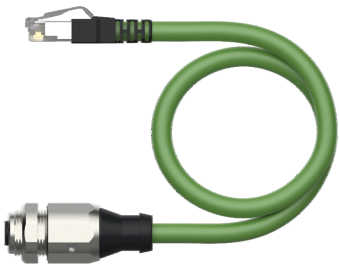
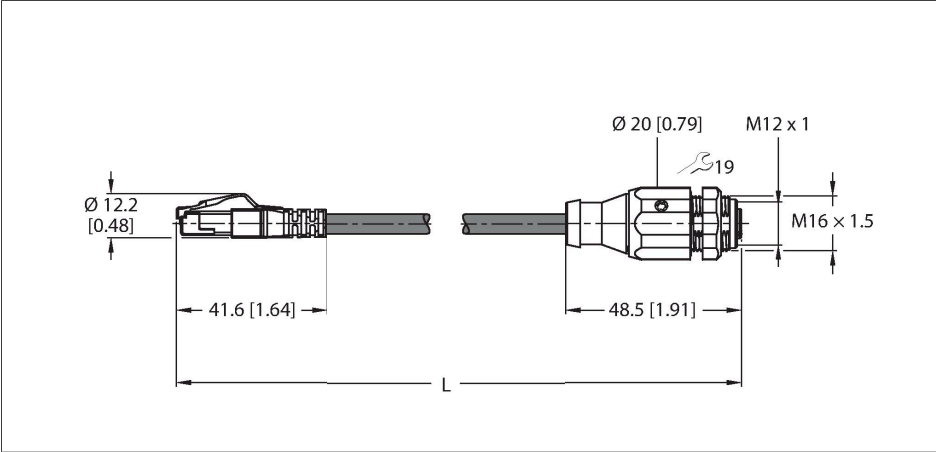


# RJ45S-FKSDD-4422-15M

## Industrial Ethernet Cable – Connection Cable



### Technical data

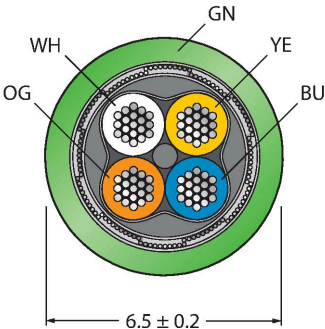
|                              |                                   |
|------------------------------|-----------------------------------|
| Type                         | RJ45S-FKSDD-4422-15M              |
| ID                           | 6636976                           |
| Connector A                  | Male, RJ45, Straight              |
| Number of pins               | 4                                 |
| Contacts                     | Metal, Gold-plated                |
| Contact carriers             | Plastic, Transparent              |
| Connector body               | Plastic, TPU, Black               |
| Mechanical lifespan          | > 100 Mating cycles               |
| Protection class             | IP20                              |
| Connector B                  | Female, M12 × 1                   |
| Contacts                     | Metal, CuZn, Gold-plated          |
| Contact carriers             | Plastic, TPU, Black               |
| Connector body               | Plastic, TPU, Black               |
| Coupling nut/retaining screw | Brass, CuZn, Nickel-plated        |
| Seal                         | Plastic, FPM/FKM                  |
| Tightening torque            | 0.8 ... 1 Nm                      |
| Mechanical life              | > 100 Mating cycles               |
| Pollution degree             | 3                                 |
| Protection class             | IP67, Only when screwed together  |
| Cable                        |                                   |
| Network protocol             | Ethernet                          |
| Cable diameter               | Ø 6.5 mm ±0.20                    |
| Cable jacket                 | PUR, Green                        |
| Shielding                    | Aluminum foil, tinned copper wire |
| Core insulation              | TPE-O                             |
| Core cross-section           | 4 x 0.32 mm²                      |
| Arrangement of strands       | 7 x 0.25 mm                       |

### 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, straight, 4-pin

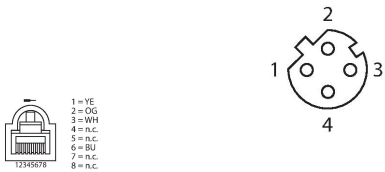
### Cable Cross-Section



### Contact assignment

Technical data

|                                          |                |
|------------------------------------------|----------------|
| 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 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      |



Circuit Diagram

