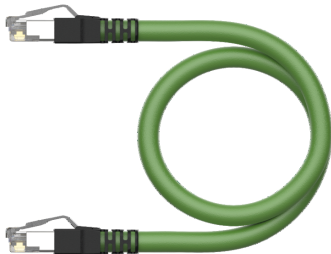
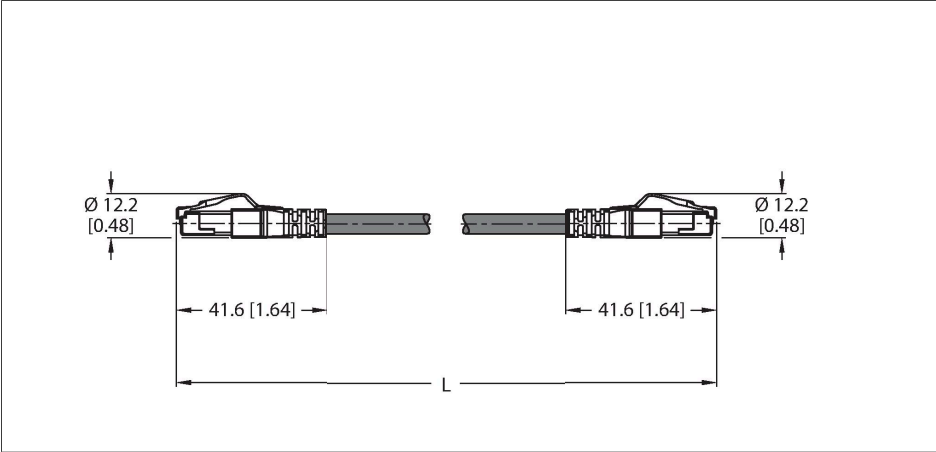


# RJ45S-RJ45S-4422-0.5M

## Industrial Ethernet Cable



### Technical data

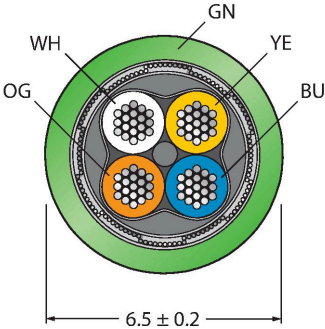
|                        |                                   |
|------------------------|-----------------------------------|
| Type                   | RJ45S-RJ45S-4422-0.5M             |
| ID                     | 6635525                           |
| Connector A            | Male, RJ45, Straight              |
| 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            | 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           | 0.5 m                             |
| 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                       |
| Core colors            | WH, YE, BU, OG                    |

### Features



- RJ45 male connector, straight, 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: 0.5 m

### Cable Cross-Section



## Technical data

| 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        |

## Contact assignment



## Circuit Diagram

