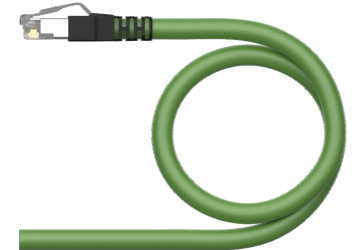
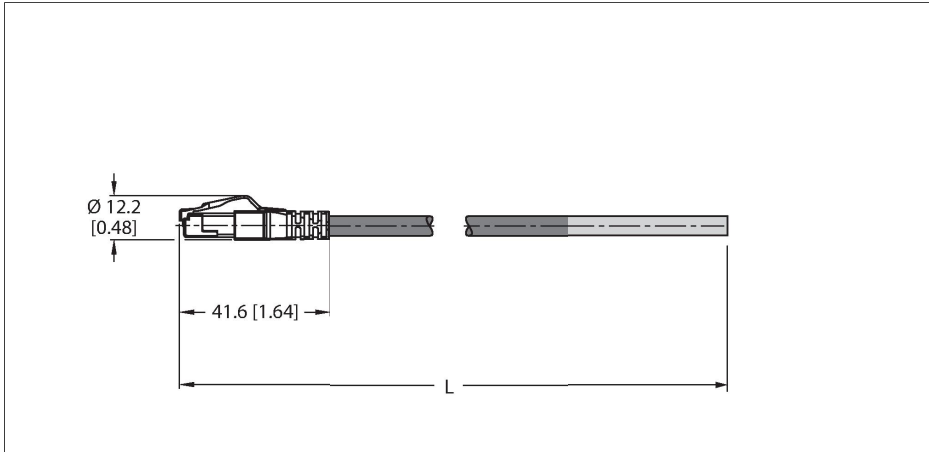


# RJ45S-4422-45M

## Industrial Ethernet Cable – Connection Cable



### Technical data

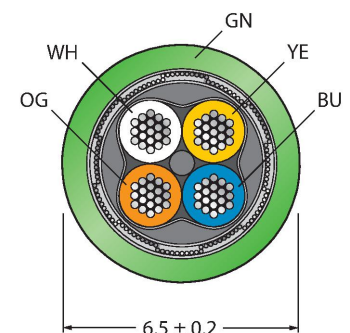
|                                        |                                   |
|----------------------------------------|-----------------------------------|
| Type                                   | RJ45S-4422-45M                    |
| ID                                     | 6635542                           |
| 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                              |
| <b>Cable</b>                           |                                   |
| Network protocol                       | Ethernet                          |
| Cable diameter                         | Ø 6.5 mm ±0.20                    |
| Cable length                           | 45 m                              |
| Cable jacket                           | PUR, Green                        |
| Shielding                              | Aluminum foil, tinned copper wire |
| Core insulation                        | TPE-O                             |
| Core cross-section                     | 4 x 0.32 mm <sup>2</sup>          |
| Arrangement of strands                 | 7 x 0.25 mm                       |
| Core colors                            | WH, YE, BU, OG                    |
| <b>Electrical properties at +20 °C</b> |                                   |
| 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                           |

### 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 length: 45 m

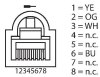
### Cable Cross-Section



Technical data

| 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    |

Contact assignment



Circuit Diagram

