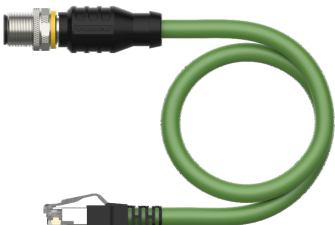


# RSSD-RJ45S-4422-6.5M

## Industrial Ethernet Cable – Extension Cable



### Technical data

|                           |                                                            |
|---------------------------|------------------------------------------------------------|
| Type                      | RSSD-RJ45S-4422-6.5M                                       |
| ID                        | 6637816                                                    |
| 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              | 6.5 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: 6.5 m

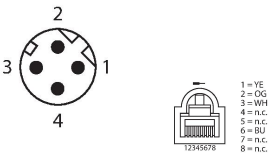
### Cable Cross-Section



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                           | 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

