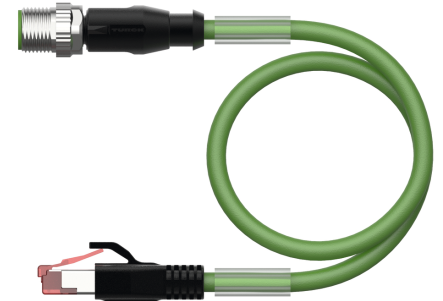
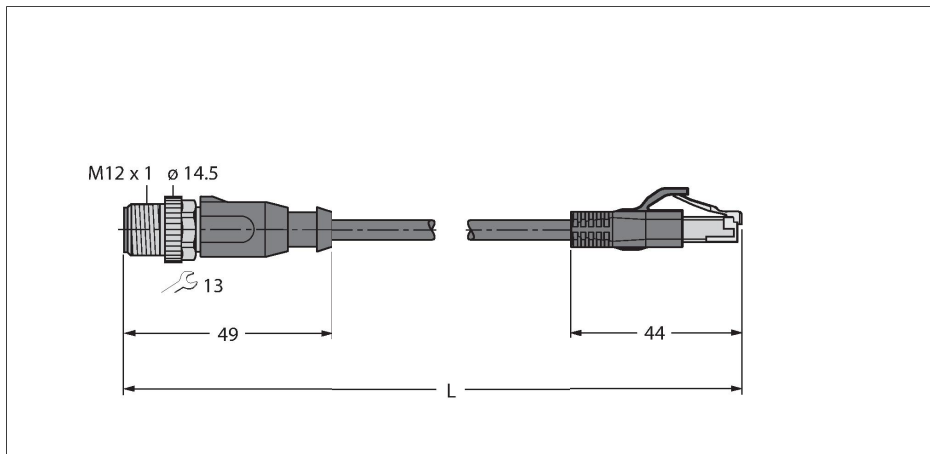


# RSSD-RJ45S-4414-15M

## Industrial Ethernet Cable – Extension Cable



### Technical data

|                           |                                                              |
|---------------------------|--------------------------------------------------------------|
| Type                      | RSSD-RJ45S-4414-15M                                          |
| ID                        | 6441416                                                      |
| Connector A               | Male, M12 × 1, Straight, D-coded                             |
| Number of Pins            | 4                                                            |
| Contacts                  | Metal, CuZn, Gold-plated                                     |
| Contact carriers          | Plastic, PA, UL 94, Black                                    |
| Connector body            | Plastic, TPU, UL 94, Black                                   |
| Coupling nut/screw        | Brass, GD-Zn, Nickel-plated                                  |
| Tightening torque (range) | 0.4 ... 0.6 Nm<br>(observe max. torque of mating connector!) |
| Mechanical lifespan       | > 100 Mating cycles                                          |
| Pollution degree          | 3/2                                                          |
| Protection class          | IP67, Only in screwed condition                              |
| Connector B               | Male, RJ45, Straight                                         |
| Number of pins            | 4                                                            |
| Contacts                  | Metal, CuZn, Gold-plated                                     |
| Contact carriers          | Plastic, PC                                                  |
| Connector body            | Plastic, TPU, UL 94                                          |
| Mechanical life           | > 100 Mating cycles                                          |
| Pollution degree          | 3/2                                                          |
| Protection class          | IP20                                                         |
| Cable                     |                                                              |
| Network protocol          | Ethernet, 4414                                               |
| Cable diameter            | Ø 4.8 mm ±0.30                                               |
| Cable length              | 15 m                                                         |
| Cable jacket              | PUR, Green                                                   |
| Shielding                 | Aluminum foil, tinned copper wire                            |

### Features



- M12 male connector, straight, D-coded
- RJ45 male connector, straight, 4-pin
- Ethernet cable: 4-pin, AWG 26
- CAT 5E acc. to ISO/IEC 11801, EN 50173, EIA/TIA 568-A
- Jacket material: PUR
- Jacket color: green
- Shielding: Aluminum-laminated polyester film, copper braid
- Jacket diameter: 4.8 mm
- Suitable for drag chain use
- UV resistant
- Oil resistant acc. to IEC 60811-2-1 and DIN VDE 0282 part 10
- Free from silicone, PVC and LABS
- Free from halogen acc. to IEC 60754-2
- Flame retardant acc. to IEC 60332-1-2
- Approval: cULus
- RoHS compliant
- Protection class IP67
- Cable length: 15 m

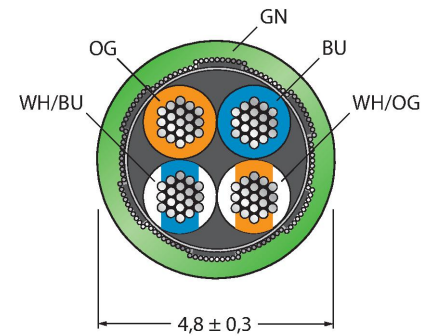
### Cable Cross-Section

## Technical data

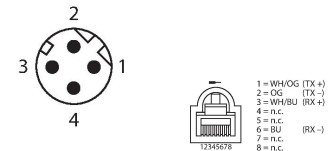
|                                           |                          |
|-------------------------------------------|--------------------------|
| Core insulation                           | PP                       |
| Core cross-section                        | 4 x 0.15 mm <sup>2</sup> |
| Arrangement of strands                    | 19 x 0.102 mm            |
| Core colors                               | WHOG, WHBU, BU, OG       |
| <b>Electrical properties at +20 °C</b>    |                          |
| Rated voltage                             | 42 V                     |
| Test voltage                              | 700 V                    |
| Current                                   | 3 A                      |
| Nom. impedance                            | 100 Ω (1MHz)             |
| Nom. capacitance                          | 51 pF/m                  |
| <b>Mechanical and chemical properties</b> |                          |
| Bending radius (stationary installation)  | ≥ 15 x Ø                 |
| Bending cycles                            | ≥ 5 million              |
| Torsional stress                          | ± 30 °/m                 |
| Torsion cycles                            | ≤ 100,000 Cycles         |
| Ambient temperature range (stationary)    | -40...+80 °C             |
| Ambient temperature range (In motion)     | -25...+80 °C             |
| <b>Other Features</b>                     |                          |
| Qualified for drag chain use              | yes                      |
| Halogen-free                              | yes                      |
| Silicone-free                             | yes                      |
| PVC-free                                  | yes                      |
| Resistant to weld splatter                | yes                      |
| Resistant to chemicals                    | yes                      |
| UV resistance                             | yes                      |
| Oil-resistant                             | yes                      |
| Flame-retardant                           | yes                      |
| Approvals                                 | cULus                    |

## Accessories

|                                                                                                                                                                   |                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>TORQUE-WRENCH-SET-BUS</b>                                                                                                                                      | <b>6936171</b> |
| Torque wrench set; grip with adjustable torque 0.4 to 1.0 Nm; torque wrench set, fork wrench for M8 (SW9), fork wrench for M12 (SW13), fork wrench for M12 (SW14) |                |



## Contact assignment



## Circuit Diagram

