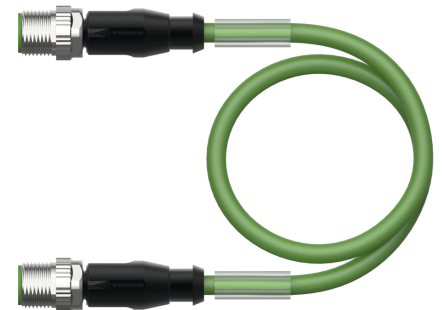
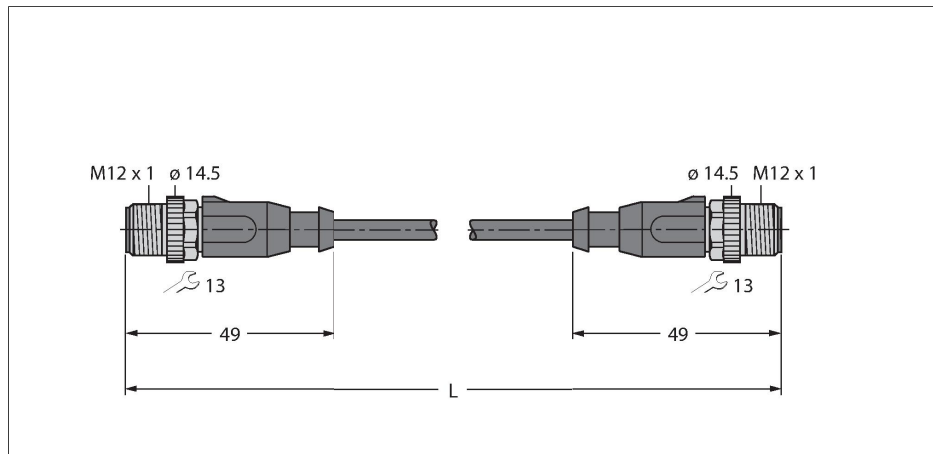


# RSS-RSS-8814-1M

## Industrial Ethernet Cable – Extension Cable



### Technical data

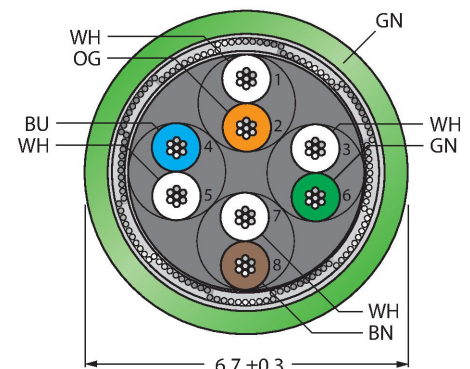
|                              |                                                              |
|------------------------------|--------------------------------------------------------------|
| Type                         | RSS-RSS-8814-1M                                              |
| ID                           | 100024265                                                    |
| Connector A                  | Male, M12 × 1, Straight, A-coded                             |
| Number of Pins               | 8                                                            |
| 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, M12 × 1, Straight, A-coded                             |
| Number of pins               | 8                                                            |
| Contacts                     | Metal, CuZn, Gold-plated                                     |
| Contact carriers             | Plastic, PA, UL 94, Black                                    |
| Connector body               | Plastic, TPU, UL 94, Blue gray                               |
| Coupling nut/retaining screw | Brass, GD-Zn, Nickel-plated                                  |
| Tightening torque            | 0.4 ... 0.6 Nm (observe max. torque of mating connector!)    |
| Mechanical life              | > 100 Mating cycles                                          |
| Pollution degree             | 3/2                                                          |
| Protection class             | IP67, Only when screwed together                             |
| Cable                        |                                                              |
| Network protocol             | Ethernet                                                     |
| Cable diameter               | Ø 6.7 mm ±0.30                                               |

### Features



- M12 male, straight, A-coded
- M12 male, straight, A-coded
- Ethernet cable: 8-pin, AWG 26, CAT 6A
- Jacket material: PUR
- Jacket color: green
- Jacket diameter: 6.7 mm
- Paired and shielded
- Oil resistant acc. to DIN EN 60811-404 (7 × 24 h/90 °C)
- UV resistant
- Flame retardant acc. to IEC 60332-2
- Approval: cULus
- RoHS compliant (2011/65/EC)
- Cable length: 1.0 m

### Cable Cross-Section



### Contact assignment

Technical data

|                                          |                                             |
|------------------------------------------|---------------------------------------------|
| Cable length                             | 1 m                                         |
| Cable jacket                             | PUR, Green                                  |
| Shielding                                | yes                                         |
| Core insulation                          | PE                                          |
| Core cross-section                       | 8 x 0.14 mm²                                |
| Arrangement of strands                   | 0.16 mm                                     |
| Core colors                              | WH(OG) OG;WH(GN) GN;WH(BN) <br>BN;WH(BU) BU |
| Electrical properties at +20 °C          |                                             |
| Test voltage                             | 700 V                                       |
| Mechanical and chemical properties       |                                             |
| Bending radius (stationary installation) | ≥ 5 x Ø                                     |
| Bending radius (flexible use)            | ≥ 10 x Ø                                    |
| Ambient temperature range (stationary)   | -40...+80 °C                                |
| Ambient temperature range (In motion)    | -40...+80 °C                                |
| Other Features                           |                                             |
| Qualified for drag chain use             | yes                                         |
| PVC-free                                 | yes                                         |
| UV resistance                            | yes                                         |
| Oil-resistant                            | yes                                         |
| Flame-retardant                          | yes                                         |
| Approvals                                | cULus                                       |

