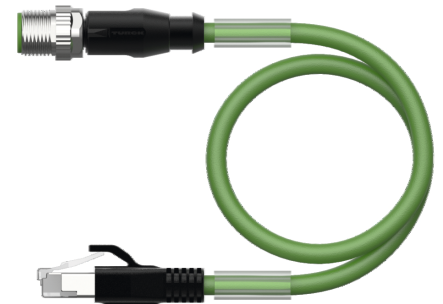
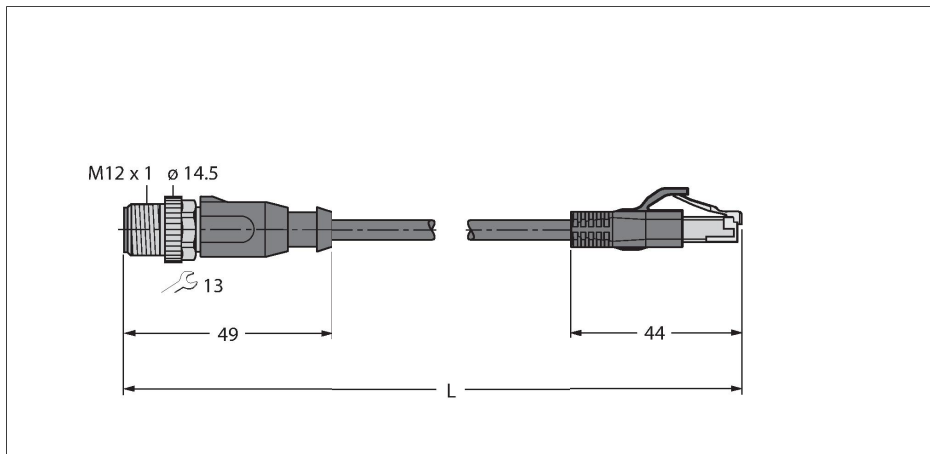


# RSS-RJ45S-8814-2M

## Industrial Ethernet Cable – Connection Cable



### Technical data

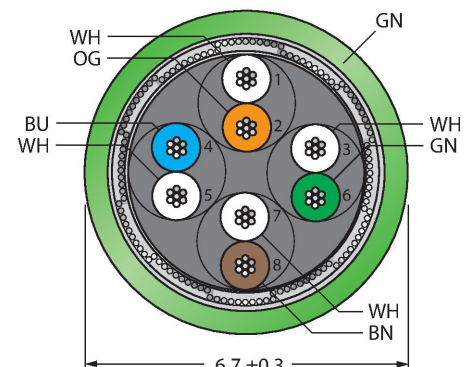
|                           |                                                              |
|---------------------------|--------------------------------------------------------------|
| Type                      | RSS-RJ45S-8814-2M                                            |
| ID                        | 100017688                                                    |
| 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, RJ45, Straight                                         |
| Number of Pins            | 8                                                            |
| 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                                                     |
| Cable diameter            | Ø 8.9 mm ±0.30                                               |
| Cable length              | 2 m                                                          |
| Cable jacket              | PUR, Green                                                   |
| Shielding                 | yes                                                          |

### Features



- Ethernet cable: 8-pin, AWG 26, CAT 6A
- Jacket material: PUR
- Jacket color: green
- Jacket diameter: 6.7 mm
- Twisted pair, 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)
- RJ45 male connector, straight, 8-pin
- M12 male connector, straight, A-coded
- Cable length: 2.0 m

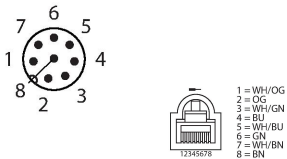
### Cable Cross-Section



### Contact assignment

Technical data

|                                          |                                         |
|------------------------------------------|-----------------------------------------|
| Core insulation                          | PE                                      |
| Core cross-section                       | 8 x 0.14 mm <sup>2</sup>                |
| Arrangement of strands                   | 0.16 mm                                 |
| Core colors                              | WH(OG) OG;WH(GN) GN;WH(BN) 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 (fixed)              | -40...+80 °C                            |
| Ambient temperature (mobile)             | -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                                   |



Circuit Diagram

