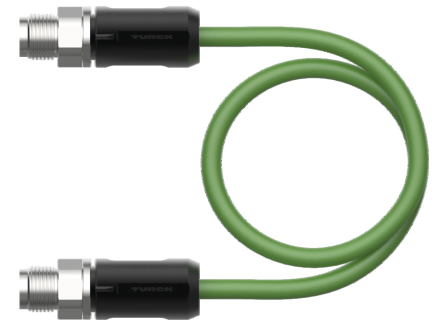
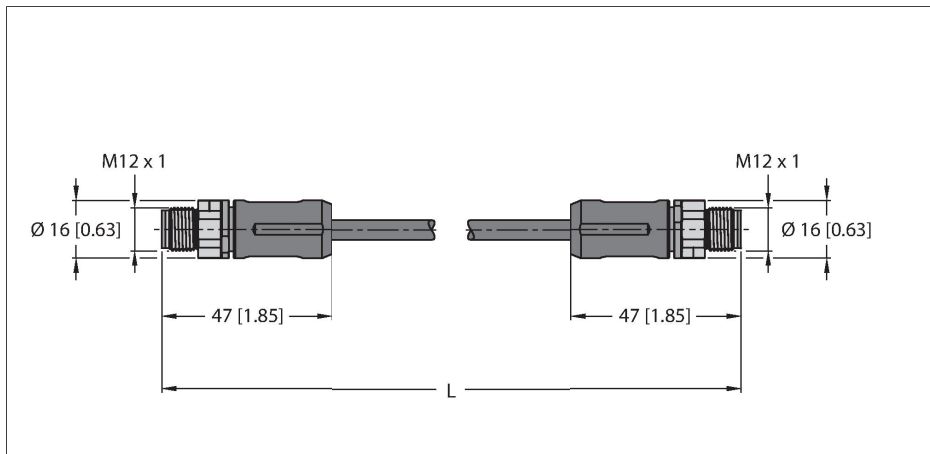


# RSSX-RSSX-8814-5M

## Industrial Ethernet Cable – Connection Cable



### Technical data

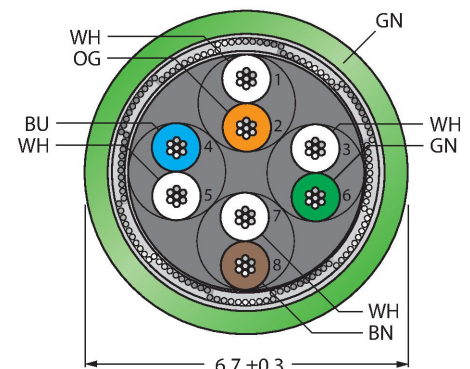
|                              |                                                              |
|------------------------------|--------------------------------------------------------------|
| Type                         | RSSX-RSSX-8814-5M                                            |
| ID                           | 100002277                                                    |
| Connector A                  | Male, M12 × 1, Straight, X-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, CuZn, 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, X-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/retaining screw | Brass, CuZn, 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 8.9 mm ±0.30                                               |

### 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)
- M12 male connector, straight, X-coded
- M12 male connector, straight, X-coded
- Cable length: 5.0 m

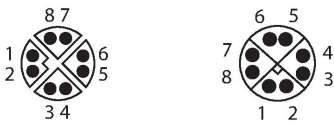
### Cable Cross-Section



### Contact assignment

Technical data

|                                          |                                         |
|------------------------------------------|-----------------------------------------|
| Cable length                             | 5 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) BN;WH(BU) BU |
| Electrical properties at +20 °C          |                                         |
| Rated voltage                            | 48 V                                    |
| Test voltage                             | 700 V                                   |
| Current                                  | 0.5 A                                   |
| 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                                   |



Heading wiring diagram 3  
Pin Assignment Right

Circuit Diagram

