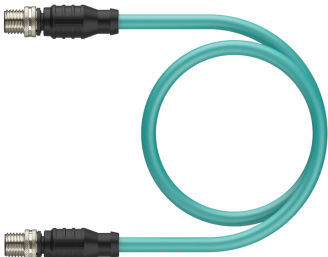
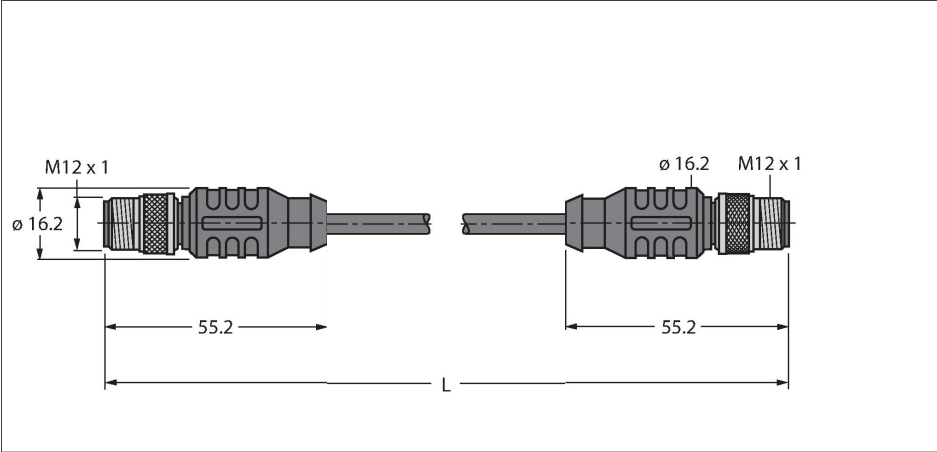


# RSS RSS 841-10M

## Industrial Ethernet Cable – Extension Cable



### Technical data

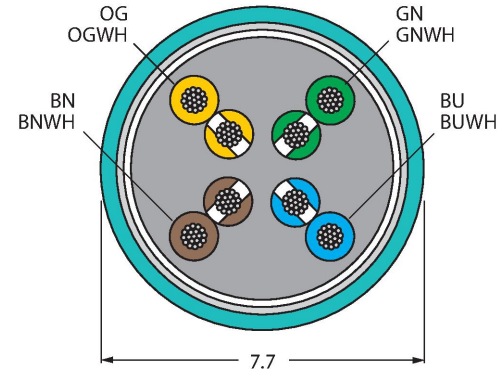
|                              |                                                            |
|------------------------------|------------------------------------------------------------|
| Type                         | RSS RSS 841-10M                                            |
| ID                           | U7901-10                                                   |
| Connector A                  | Male, M12 × 1, Straight, A-coded                           |
| Number of pins               | 8                                                          |
| 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, M12 × 1, Straight, A-coded                           |
| Number of Pins               | 8                                                          |
| Contacts                     | Metal, CuZn, Gold-plated                                   |
| Contact carriers             | Plastic, TPU, Black                                        |
| Connector body               | Plastic, TPU, Blue gray                                    |
| Coupling nut/retaining screw | Brass, CuZn, Nickel-plated                                 |
| Tightening torque            | 0.8 ... 1 Nm (observe max. torque of mating connector!)    |
| Mechanical life              | > 100 Mating cycles                                        |
| Pollution degree             | 3                                                          |
| Protection class             | IP67, Only when screwed together                           |
| Cable                        |                                                            |
| Network protocol             | Ethernet, 841                                              |
| Cable diameter               | Ø 7.7 mm                                                   |

### Features



- Ethernet cable: 8-pin, AWG 24, shielded
- Jacket material: TPE, color: green
- Jacket diameter: 7.7 mm
- Suitable for drag chain use
- UL approval
- M12 male, straight, 8-pin
- M12 male, straight, 8-pin
- Cable length: 10 m

### Cable Cross-Section



### Contact assignment



## Technical data

|                                                                              |                                            |
|------------------------------------------------------------------------------|--------------------------------------------|
| Cable length                                                                 | 10 m                                       |
| Cable jacket                                                                 | TPE, Green                                 |
| Shielding                                                                    | yes                                        |
| Core insulation                                                              | PE                                         |
| Core cross-section                                                           | 8 x 0.21 mm <sup>2</sup>                   |
| Core colors                                                                  | WH/BU, WH/BN, BN, OG, WH/GN, WH/OG, BU, GN |
| Electrical properties at +20 °C                                              |                                            |
| Rated voltage                                                                | 48 V                                       |
| Current                                                                      | 2 A                                        |
| DC resistance (loop)                                                         | 94 Ω/km                                    |
| Nom. impedance                                                               | 100 Ω (1 MHz)                              |
| Nom. capacitance                                                             | 46 pF/m                                    |
| Mechanical and chemical properties                                           |                                            |
| Bending radius (flexible use)                                                | ≥ 10 x Ø                                   |
| Bending cycles                                                               | ≥ 1 million                                |
| Ambient temperature (fixed)                                                  | -40...+80 °C                               |
| Ambient temperature (mobile)                                                 | -40...+80 °C                               |
| Other Features                                                               |                                            |
| Qualified for drag chain use                                                 | yes                                        |
| UV resistance                                                                | yes                                        |
| Oil-resistant                                                                | yes                                        |
| Approvals                                                                    | UL                                         |
| Note                                                                         |                                            |
| - We reserve the right to make technical modifications without prior notice. |                                            |