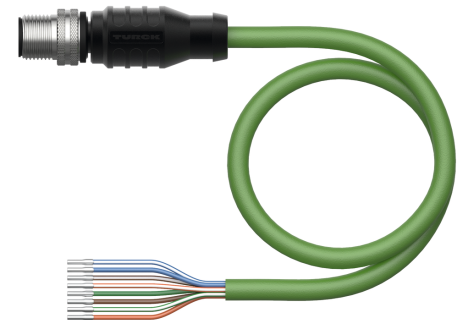
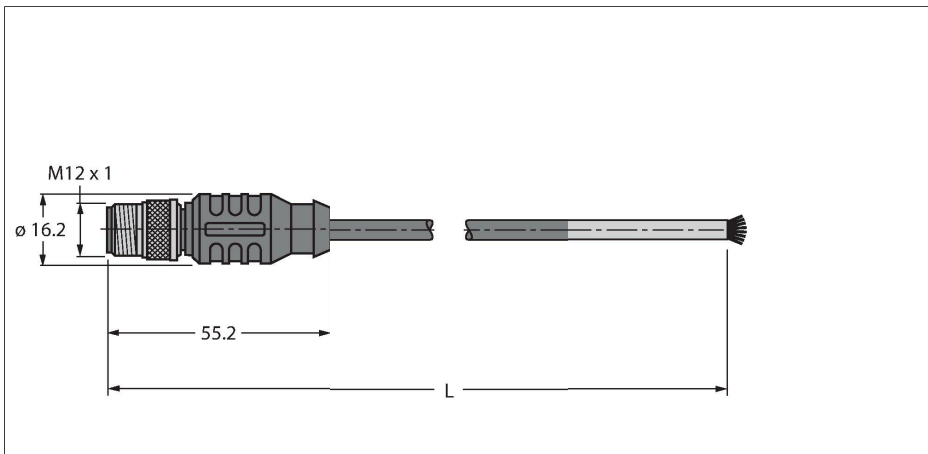


# RSS 841-30M

## Industrial Ethernet Cable – Connection Cable



### Technical data

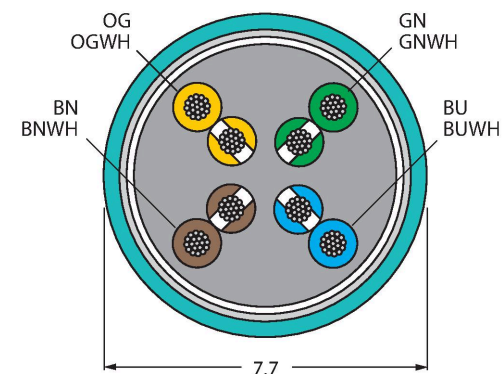
|                                 |                                                            |
|---------------------------------|------------------------------------------------------------|
| Type                            | RSS 841-30M                                                |
| ID                              | U-30100                                                    |
| 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                            |
| Cable                           |                                                            |
| Network protocol                | Ethernet, 841                                              |
| Cable diameter                  | Ø 7.7 mm                                                   |
| Cable length                    | 30 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                   | 60 V                                                       |
| Current                         | 2 A                                                        |
| DC resistance (loop)            | 94 Ω/km                                                    |

### 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
- End open
- M12 male, straight, 8-pin
- Cable length: 30 m

### Cable Cross-Section



### Contact assignment



## Technical data

|                                                                              |                              |
|------------------------------------------------------------------------------|------------------------------|
| Nom. impedance                                                               | 100 $\Omega$ (1 MHz)         |
| Nom. capacitance                                                             | 46 pF/m                      |
| Mechanical and chemical properties                                           |                              |
| Bending radius (flexible use)                                                | $\geq 10 \times \varnothing$ |
| Bending cycles                                                               | $\geq 1$ million             |
| Ambient temperature range (stationary)                                       | -40...+80 °C                 |
| Ambient temperature range (In motion)                                        | -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. |                              |