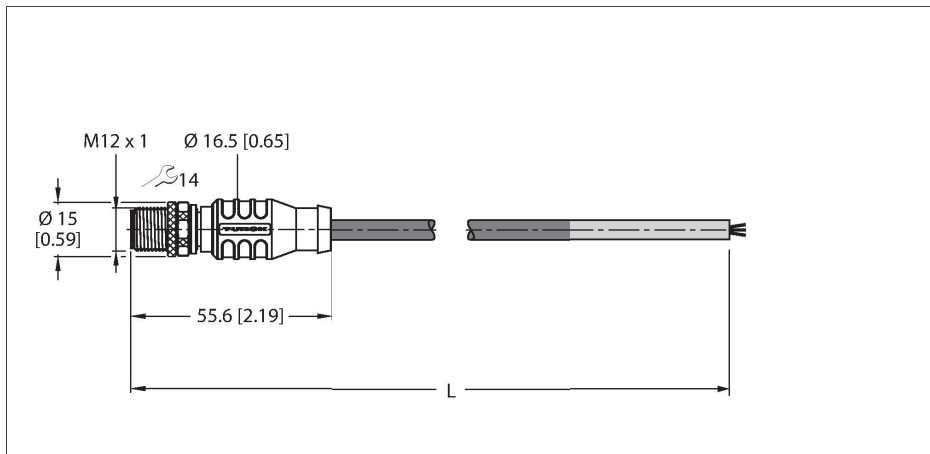


# RSSW458-30M

## PROFIBUS Cable – PUR Cable Jacket

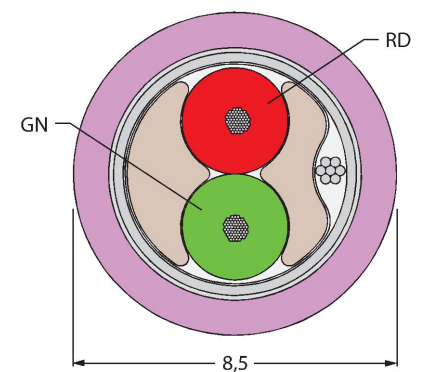


### Features



- Jacket material: PUR
- Jacket color: purple
- Suitable for drag chain use
- UL approval
- Protection class: IP67
- End open
- Cable length: 30 m

### Cable Cross-Section



### Technical data

|                                 |                                                            |
|---------------------------------|------------------------------------------------------------|
| Type                            | RSSW458-30M                                                |
| ID                              | 6602382                                                    |
| Connector A                     | Male, M12 × 1, Straight, B-coded                           |
| Number of Pins                  | 5                                                          |
| 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                | PROFIBUS-DP, 458                                           |
| Cable diameter                  | Ø 8.5 mm ±0.30                                             |
| Cable length                    | 30 m                                                       |
| Cable jacket                    | PUR, Violet                                                |
| Shielding                       | Aluminum foil, tinned copper wire                          |
| Core insulation                 | PE                                                         |
| Core cross-section              | 2 x 0.34 mm <sup>2</sup>                                   |
| Arrangement of strands          | 65 x 0.079 mm                                              |
| Core colors                     | GN, RD                                                     |
| Electrical properties at +20 °C |                                                            |
| Current                         | 4 A                                                        |
| DC resistance (loop)            | 50 Ω/km                                                    |
| Nom. impedance                  | 150 Ω (1MHz)                                               |

## Technical data

|                                                 |                              |
|-------------------------------------------------|------------------------------|
| Nom. capacitance                                | 29.53 pF/m                   |
| Mechanical and chemical properties              |                              |
| Bending radius (stationary installation)        | $\geq 5 \times \varnothing$  |
| Bending radius (flexible use)                   | $\geq 15 \times \varnothing$ |
| Bending cycles                                  | $\geq 10$ million            |
| Torsional stress                                | $\pm 180^\circ/\text{m}$     |
| Ambient temperature range (stationary)          | -40...+80 °C                 |
| Ambient temperature range (In motion)           | -40...+60 °C                 |
| Ambient temperature during drag chain operation | -25...+60 °C                 |
| Other Features                                  |                              |
| Qualified for drag chain use                    | yes                          |
| Halogen-free                                    | no                           |
| UV resistance                                   | yes                          |
| Flame-retardant                                 | yes                          |
| Approvals                                       | UL<br>CSA                    |