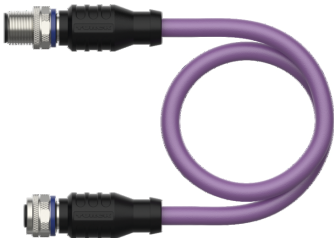


RSSW-RKSW-X2X-11M  
PROFIBUS Cable – PUR Cable Jacket



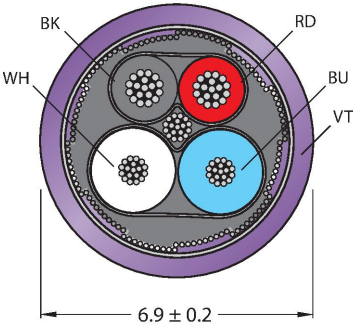
Technical data

|                              |                                                            |
|------------------------------|------------------------------------------------------------|
| Type                         | RSSW-RKSW-X2X-11M                                          |
| ID                           | 100048922                                                  |
| 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                            |
| Connector B                  | Female, M12 × 1, Straight, B-coded                         |
| Number of Pins               | 5                                                          |
| Contacts                     | Metal, CuZn, Gold-plated                                   |
| Contact carriers             | Plastic, TPU, Black                                        |
| Connector body               | Plastic, PUR, Black                                        |
| Coupling nut/retaining screw | Brass, CuZn, Nickel-plated                                 |
| Seal                         | Plastic, FPM/FKM                                           |
| 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             | PROFIBUS-DP                                                |

Features

- CE
- UK CA
- RoHS compliant
- Jacket material: PUR
- Jacket color: violet
- Shielding: overlapping aluminum foil, tinned copper wire
- Jacket diameter: 6.9 mm
- Suitable for drag chain use
- Halogen free
- RoHS compliant
- M12 female, straight, reverse-keyed
- M12 male connector, straight, reverse-keyed
- Cable length: 11 m

Cable Cross-Section



Contact assignment



Technical data

|                                          |                          |
|------------------------------------------|--------------------------|
| Cable diameter                           | Ø 6.9 mm ±0.20           |
| Cable length                             | 11 m                     |
| Cable jacket                             | PUR, Violet              |
| Shielding                                | yes                      |
| Core cross-section                       | 2 x 0.25 mm <sup>2</sup> |
| Core cross-section                       | 2x 0.34 mm <sup>2</sup>  |
| Core colors                              | RD, BK, WH, BU           |
| Electrical properties at +20 °C          |                          |
| Rated voltage                            | 250 V                    |
| Test voltage                             | 3000 V                   |
| Current                                  | 4 A                      |
| DC resistance (loop)                     | 120 Ω/km                 |
| Mechanical and chemical properties       |                          |
| Bending radius (stationary installation) | ≥ 5 x Ø                  |
| Bending radius (flexible use)            | ≥ 10 x Ø                 |
| Bending cycles                           | ≥ 2.5 million            |
| Ambient temperature (fixed)              | -50...+80 °C             |
| Ambient temperature (mobile)             | -50...+80 °C             |
| Other Features                           |                          |
| Qualified for drag chain use             | yes                      |
| Halogen-free                             | yes                      |

Circuit Diagram

