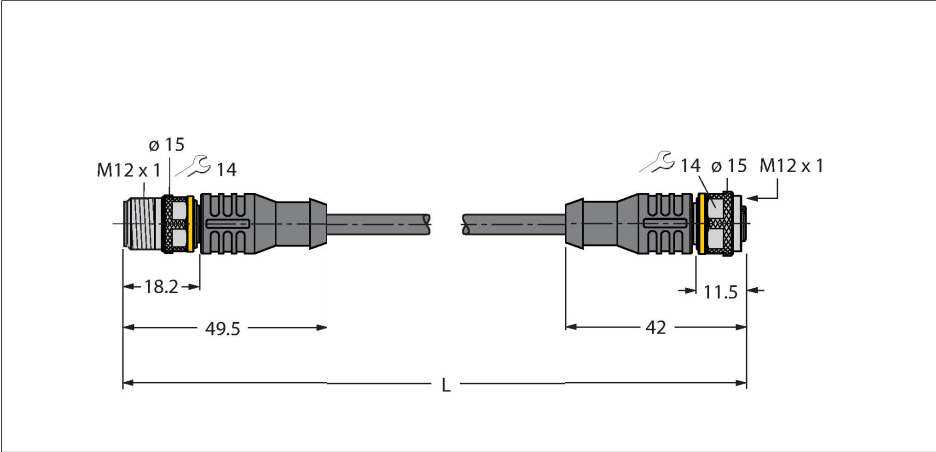


# RSC-RKC5701-5M

## Bus Cable for CAN (DeviceNet, CANopen) – PUR Cable Jacket, Thin



### Technical data

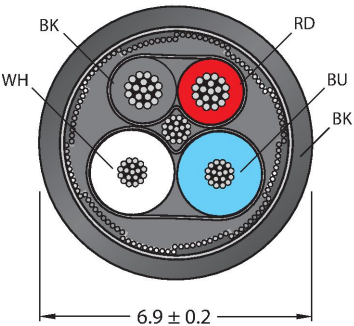
|                              |                                                            |
|------------------------------|------------------------------------------------------------|
| Type                         | RSC-RKC5701-5M                                             |
| ID                           | 6604836                                                    |
| Connector A                  | Male, M12 × 1, Straight, A-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, A-coded                         |
| Number of Pins               | 5                                                          |
| Contacts                     | Metal, CuZn, Gold-plated                                   |
| Contact carriers             | Plastic, TPU, Black                                        |
| Connector body               | Plastic, TPU, 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                           |

### Features



- Sheathing material: PUR
- Jacket color: Anthracite
- Power pair: AWG 2/22
- Data pair: AWG 2/24
- Oil-resistant acc. to VDE 0472, part 803
- Flame-retardant acc. to VDE 0472, part 804/B
- Halogen-free
- UL approval
- M12 female connector, straight, A-coded
- M12 male connector, straight, A-coded
- Cable length: 5.0 m

### Cable Cross-Section



### Contact assignment



Technical data

| Cable                                    |                             |
|------------------------------------------|-----------------------------|
| Network protocol                         | DeviceNet<br>CANopen, 5701  |
| Cable diameter                           | Ø 6.7 mm                    |
| Cable length                             | 5 m                         |
| Cable jacket                             | PUR, Anthracite             |
| Shielding                                | yes                         |
| Core insulation                          | PE                          |
| Data cable cores                         |                             |
| Core cross-section                       | 2 x 0.25 mm <sup>2</sup>    |
| Power cable cores                        |                             |
| Core cross-section                       | 2x 0.34 mm <sup>2</sup>     |
| Core colors                              | Power: RD, BK, Data: WH, BU |
| Electrical properties at +20 °C          |                             |
| Rated voltage                            | 250 V                       |
| Current                                  | 4 A                         |
| DC resistance (loop)                     | 82 Ω/km                     |
| Nom. impedance                           | 120 Ω (1 MHz)               |
| Nom. capacitance                         | 37 pF/m                     |
| 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)             | -25...+60 °C                |
| Other Features                           |                             |
| Qualified for drag chain use             | yes                         |
| Halogen-free                             | yes                         |
| LABS free                                | yes                         |
| UV resistance                            | yes                         |
| Approvals                                | UL                          |

Circuit Diagram

