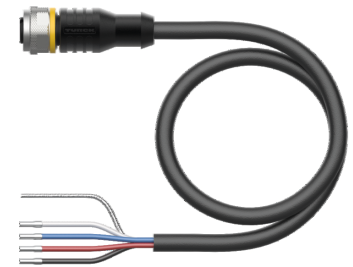
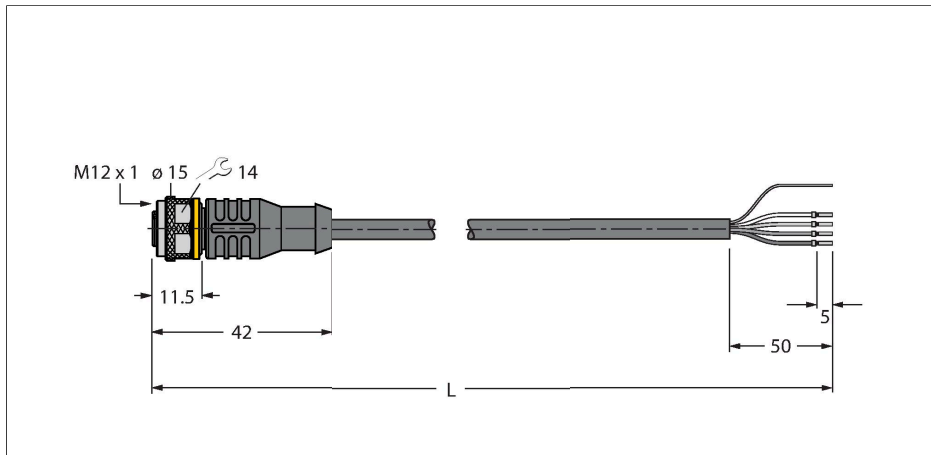


# RKC5701-0.35M

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



### Technical data

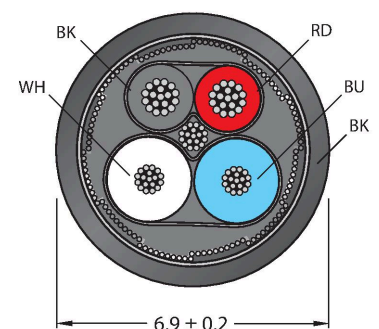
|                           |                                                            |
|---------------------------|------------------------------------------------------------|
| Type                      | RKC5701-0.35M                                              |
| ID                        | 100003028                                                  |
| Connector A               | 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/screw        | Brass, CuZn, Nickel-plated                                 |
| Seal                      | Plastic, FPM/FKM                                           |
| 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, IP69K, Only in screwed condition                     |
| <b>Cable</b>              |                                                            |
| Network protocol          | DeviceNet<br>CANopen, 5701                                 |
| Cable diameter            | Ø 6.7 mm                                                   |
| Cable length              | 0.35 m                                                     |
| Cable jacket              | PUR, Anthracite                                            |
| Shielding                 | yes                                                        |
| Core insulation           | PE                                                         |
| <b>Data cable cores</b>   |                                                            |
| Core cross-section        | 2 x 0.25 mm <sup>2</sup>                                   |
| <b>Power cable cores</b>  |                                                            |
| Core cross-section        | 2x 0.34 mm <sup>2</sup>                                    |

### 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
- End open
- M12-female connector, straight, A-coded
- Cable length: 0.35 m

### Cable Cross-Section



### Contact assignment

Technical data

|                                          |                             |
|------------------------------------------|-----------------------------|
| 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

