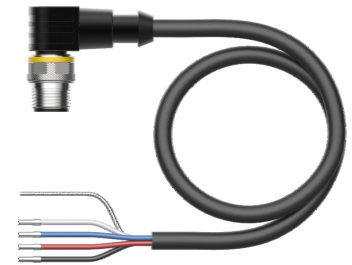
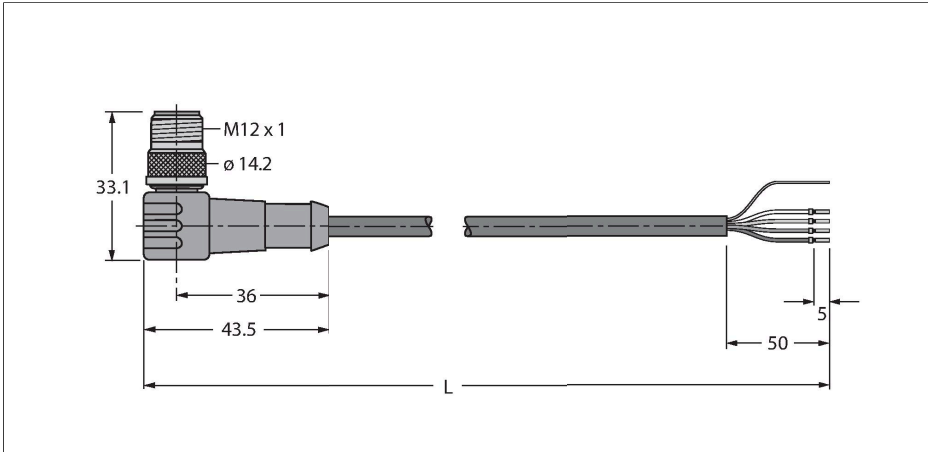


# WSC5701-10M

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



### Technical data

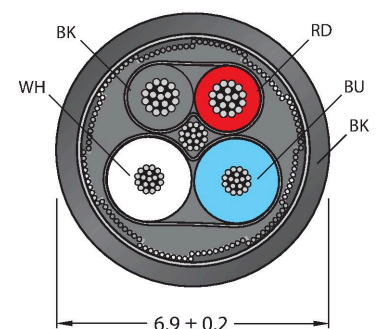
|                           |                                                            |
|---------------------------|------------------------------------------------------------|
| Type                      | WSC5701-10M                                                |
| ID                        | 6933248                                                    |
| Connector A               | Male, M12 × 1, Angled, 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                            |
| Cable                     |                                                            |
| Network protocol          | DeviceNet<br>CANopen, 5701                                 |
| Cable diameter            | Ø 6.7 mm                                                   |
| Cable length              | 10 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                                |

### 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 male connector, angled, A-coded
- Cable length: 10 m

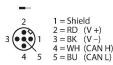
### Cable Cross-Section



### Contact assignment

Technical data

| Electrical properties at +20 °C          |               |
|------------------------------------------|---------------|
| Rated voltage                            | 30 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

