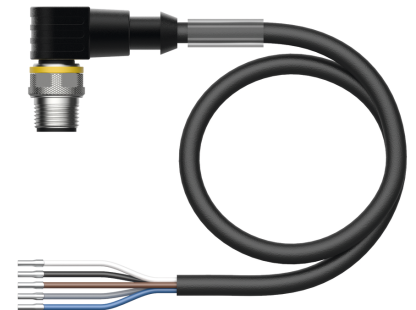
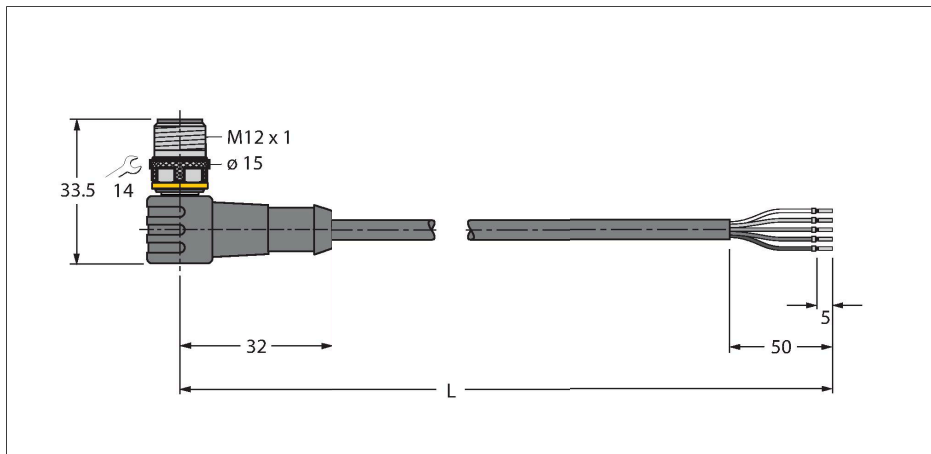


# WSC4.5T-5/TXL

## Actuator and Sensor Cable, PUR – Connection Cable



### Technical data

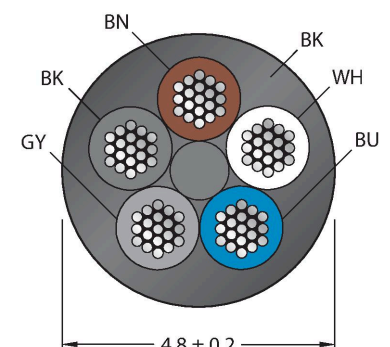
|                                           |                                        |
|-------------------------------------------|----------------------------------------|
| Type                                      | WSC4.5T-5/TXL                          |
| ID                                        | 6625543                                |
| Connector A                               | Male, M12 × 1, Angled, A-coded         |
| Number of pins                            | 5                                      |
| Contacts                                  | Brass, CuZn, Gold-plated               |
| Contact carriers                          | Plastic, TPU, Black                    |
| Connector body                            | Plastic, TPU, Black                    |
| Coupling nut/screw                        | Brass, CuZn, Nickel-plated             |
| Mechanical lifespan                       | > 100 Mating cycles                    |
| Pollution degree                          | 3                                      |
| Protection class                          | IP67, IP69K, Only in screwed condition |
| <b>Cable</b>                              |                                        |
| Cable diameter                            | Ø 4.8 mm ±0.20                         |
| Cable length                              | 5 m                                    |
| Cable jacket                              | PUR, Black                             |
| Core insulation                           | PP                                     |
| Core cross-section                        | 5 x 0.34 mm <sup>2</sup>               |
| Arrangement of strands                    | 42 x 0.1 mm                            |
| Core colors                               | BN, WH, BU, BK, GY                     |
| <b>Electrical properties at +20 °C</b>    |                                        |
| Rated voltage                             | 60 V                                   |
| Test voltage                              | 2000 V                                 |
| Current                                   | 4 A                                    |
| Insulation resistance                     | > 30.5 MΩ/km                           |
| forward resistance                        | max. 57 Ω/km                           |
| <b>Mechanical and chemical properties</b> |                                        |
| Bending radius (stationary installation)  | ≥ 5 x Ø                                |

### Features



- Male M12, angled, 5-pin
- Jacket material: PUR
- Jacket color: black
- Suitable for drag chain use
- Resistant to chemicals, UV radiation and oils
- Flame retardant (FT2 acc. to UL 1581, IEC 60332-2-2)
- Resistant to welding sparks
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- Protection class: IP67, IP69K
- Cable length: 5.0 m

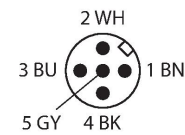
### Cable Cross-Section



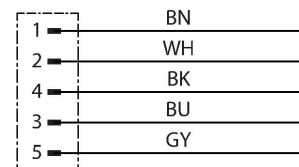
### Contact assignment

## Technical data

|                                    |                              |
|------------------------------------|------------------------------|
| Bending radius (flexible use)      | $\geq 10 \times \varnothing$ |
| Bending cycles                     | $\geq 5$ million             |
| Admissible acceleration            | max. 5 m/s <sup>2</sup>      |
| Admissible travel path, horizontal | 5 m (at 5 m/s <sup>2</sup> ) |
| Admissible travel path, vertical   | 2 m (at 5 m/s <sup>2</sup> ) |
| Admissible traversing speed        | 3.3 m/s                      |
| Torsional stress                   | $\pm 180^\circ/\text{m}$     |
| Ambient temperature (fixed)        | -50...+80 °C                 |
| Ambient temperature (mobile)       | -25...+80 °C                 |
| Ambient temperature (drag chain)   | -25...+60 °C                 |
| Approvals                          | cULus                        |



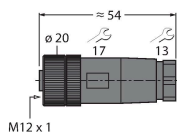
## Circuit Diagram



## Accessories

B8151-0

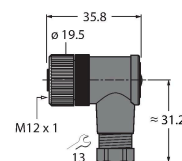
6904601



Field-wireable female connector, M12 × 1, straight, 5-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm<sup>2</sup>, plastic housing, plastic nut

B8251-0

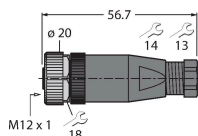
6904602



Field-wireable female connector, M12 × 1, angled, 5-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm<sup>2</sup>, plastic housing, plastic nut

BM8151-0

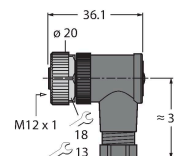
6935888



Field-wireable female connector, M12 × 1, straight, 5-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.25 to 0.75 mm<sup>2</sup>, plastic housing, metal nut

BM8251-0

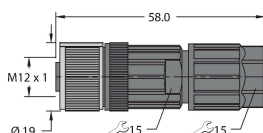
6935890



Field-wireable female connector, M12 × 1, angled, 5-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.25 to 0.75 mm<sup>2</sup>, plastic housing, metal nut

FW-ERKPM0526-SA-P-0408

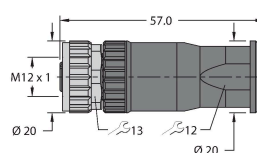
100002534



Field-wireable female connector, M12 × 1, straight, 5-pin, push-in connection, cable feedthrough 4.0 to 8.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm<sup>2</sup>, plastic housing, metal coupling nut

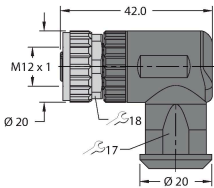
FW-ERKPM0516-SA-S-0408

100002285



Field-wireable female connector, M12 × 1, straight, 5-pin, screw terminal connection, cable feedthrough 4.0 to 8.0 mm, core cross-section/terminal capacity 0.25 to 1.5 mm<sup>2</sup>, plastic housing, metal nut

FW-EWKPM0516-SA-S-0408 100002287

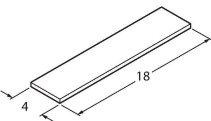


Field-wireable female connector, M12 × 1, angled, 5-pin, screw terminal connection, cable feedthrough 4.0 to 8.0 mm, core cross-section/terminal capacity 0.25 to 1.5 mm<sup>2</sup>, plastic housing, metal nut

TORQUE-WRENCH-SET-AS 6936170

Torque wrench set; handles with adjustable torque 0.4-1.0 Nm, torque wrench for M8 (SW9), fork wrench for M12 (SW 14)

BLANK-LABEL-FOR-CORDSETS-TEL-TXL 6936206



Label for TEL and TXL cables, length: 18 mm, height: 4 mm, material: polycarbonate (PC), color: white, halogen-free and flame-retardant

Accessories

| Dimension drawing | Type                  | ID        |                                                                                                                                                                            |
|-------------------|-----------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   | LABEL-HOLDER-FLEX-PVC | 100048170 | PVC label holder for identification of extension cables (TEL/TXL product series); for cable diameters: min. 5 mm; dimensions 4 × 18 mm; delivery unit: 50 pcs. per package |