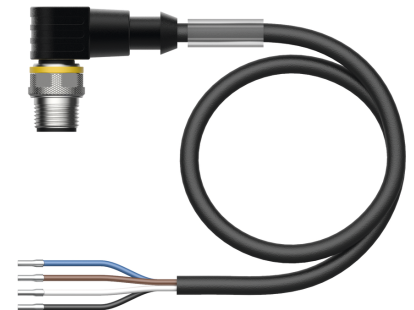
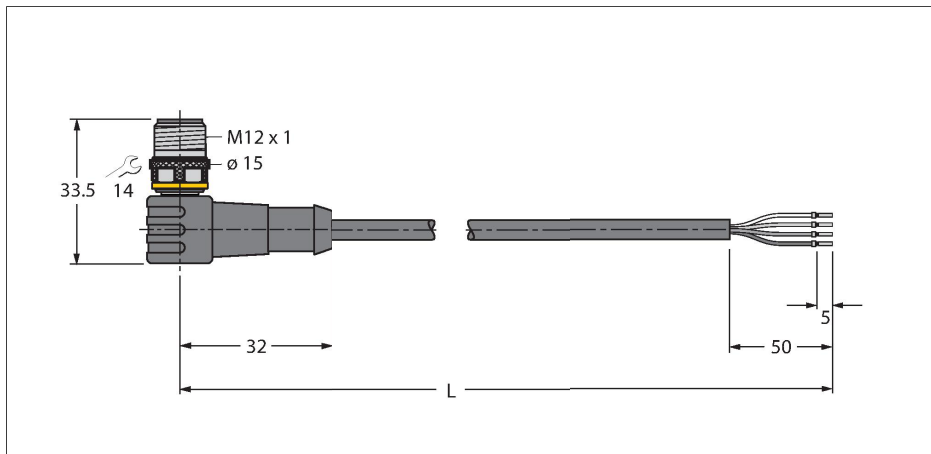


# WSC4.4T-25/TEL

## Actuator and Sensor Cable, PVC – Connection Cable



### Technical data

|                                           |                                        |
|-------------------------------------------|----------------------------------------|
| Type                                      | WSC4.4T-25/TEL                         |
| ID                                        | 6628337                                |
| Connector A                               | Male, M12 × 1, Angled, A-coded         |
| Number of pins                            | 4                                      |
| 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 4.6 mm ±0.20                         |
| Cable length                              | 25 m                                   |
| Cable jacket                              | PVC, Black                             |
| Core insulation                           | PVC                                    |
| Core cross-section                        | 4 x 0.34 mm <sup>2</sup>               |
| Arrangement of strands                    | 42 x 0.1 mm                            |
| Core colors                               | BN, WH, BU, BK                         |
| <b>Electrical properties at +20 °C</b>    |                                        |
| Rated voltage                             | 250 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

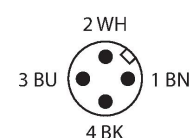


- Male M12, angled, 4-pin
- Jacket material: PVC
- Jacket color: black
- Resistant to chemicals and oils
- Flame retardant
- Resistant to acids and alkaline solutions
- Resistant to microbes and hydrolysis
- LABS free
- Protection class: IP67, IP69K
- Cable length: 25 m

### Cable Cross-Section



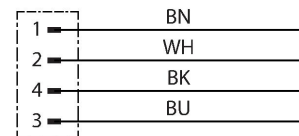
### Contact assignment



## Technical data

|                               |                              |
|-------------------------------|------------------------------|
| Bending radius (flexible use) | $\geq 10 \times \varnothing$ |
| Ambient temperature (fixed)   | -40...+105 °C                |
| Ambient temperature (mobile)  | -5...+80 °C                  |
| Approvals                     | cULus                        |

## Circuit Diagram



## Accessories

|                        |           |                                                                                                                                                                                                               |                        |           |                                                                                                                                                                                                             |
|------------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HA8141-0               | 6905407   | Field-wireable female connector, M12 × 1, straight, 4-pin, insulation piercing connection, cable feedthrough 4.0 to 5.1 mm, core cross-section/terminal capacity 0.14 to 0.34 mm², plastic housing, metal nut | HA8241-0               | 6905401   | Field-wireable female connector, M12 × 1, angled, 4-pin, insulation piercing connection, cable feedthrough 4.0 to 5.1 mm, core cross-section/terminal capacity 0.14 to 0.34 mm², plastic housing, metal nut |
|                        |           |                                                                                                                                                                                                               |                        |           |                                                                                                                                                                                                             |
| B8141-0                | 69049     | Field-wireable female connector, M12 × 1, straight, 4-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm², plastic housing, plastic nut    | B8241-0                | 69048     | Field-wireable female connector, M12 × 1, angled, 4-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm², plastic housing, plastic nut    |
|                        |           |                                                                                                                                                                                                               |                        |           |                                                                                                                                                                                                             |
| BM8141-0               | 6935145   | Field-wireable female connector, M12 × 1, straight, 4-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.25 to 0.75 mm², plastic housing, metal nut      | BM8241-0               | 6935889   | Field-wireable female connector, M12 × 1, angled, 4-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.25 to 0.75 mm², plastic housing, metal nut      |
|                        |           |                                                                                                                                                                                                               |                        |           |                                                                                                                                                                                                             |
| FW-ERKPM0426-SA-P-0408 | 100002047 | Field-wireable female connector, M12 × 1, straight, 4-pin, push-in connection, cable feedthrough 4.0 to 8.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm², plastic housing, metal coupling nut    | FW-ERKPM0416-SA-S-0408 | 100002283 | Field-wireable female connector, M12 × 1, straight, 4-pin, screw terminal connection, cable feedthrough 4.0 to 8.0 mm, core cross-section/terminal capacity 0.25 to 1.5 mm², plastic housing, metal nut     |
|                        |           |                                                                                                                                                                                                               |                        |           |                                                                                                                                                                                                             |

|                        |           |                      |         |
|------------------------|-----------|----------------------|---------|
| FW-EWKPM0416-SA-S-0408 | 100002286 | TORQUE-WRENCH-SET-AS | 6936170 |
|------------------------|-----------|----------------------|---------|

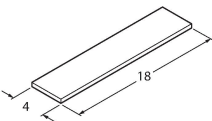


Field-wireable female connector, M12 × 1, angled, 4-pin, screw terminal connection, cable feedthrough 4.0 to 8.0 mm, core cross-section/terminal capacity 0.25 to 1.5 mm², plastic housing, metal nut

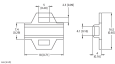
Torque wrench set; handles with adjustable torque 0.4-1.0 Nm, torque wrench for M8 (SW9), fork wrench for M12 (SW 14)

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