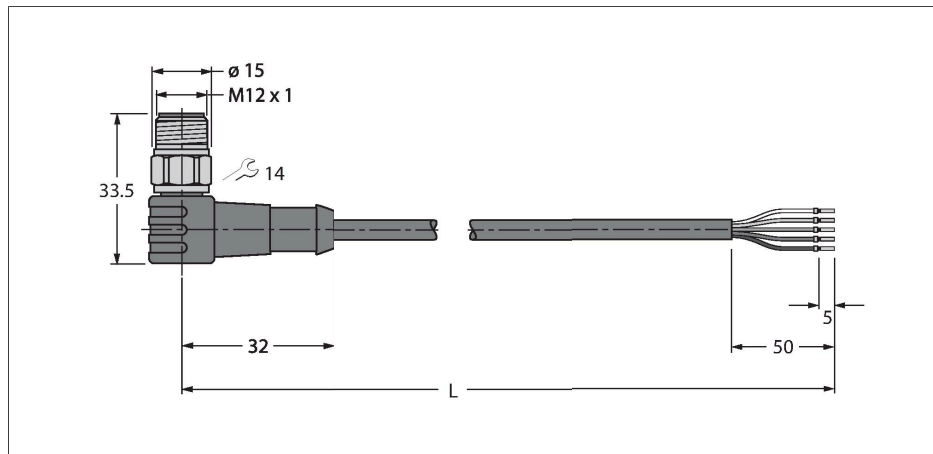


# WSCV4.5T-3/TEL

## Actuator and Sensor Cable, PVC – Connection Cable

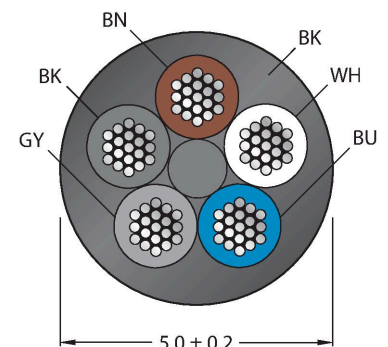


### Features

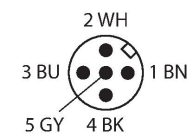


- Male M12, angled, 5-pin
- Stainless steel coupling nut/screw
- Jacket material: PVC
- Jacket color: black
- Resistant to chemicals and oils
- Flame retardant
- Resistant to acids and alkaline solutions
- Resistant to microbes and hydrolysis
- LABS free
- Protection class: IP67, IP69K
- Cable length: 3 m

### Cable Cross-Section



### Contact assignment



### Circuit Diagram



### Technical data

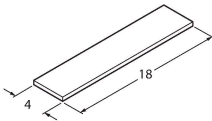
|                                           |                                        |
|-------------------------------------------|----------------------------------------|
| Type                                      | WSCV4.5T-3/TEL                         |
| ID                                        | 6629110                                |
| 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                        | Stainless Steel, V4A                   |
| Mechanical lifespan                       | > 100 Mating cycles                    |
| Pollution degree                          | 3                                      |
| Protection class                          | IP67, IP69K, Only in screwed condition |
| <b>Cable</b>                              |                                        |
| Cable diameter                            | Ø 5 mm ±0.20                           |
| Cable length                              | 3 m                                    |
| Cable jacket                              | PVC, Black                             |
| Core insulation                           | PVC                                    |
| 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                                |

Technical data

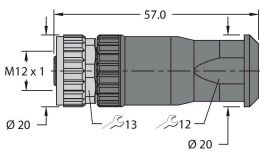
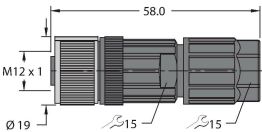
|                               |               |
|-------------------------------|---------------|
| Bending radius (flexible use) | ≥ 10 x Ø      |
| Ambient temperature (fixed)   | -40...+105 °C |
| Ambient temperature (mobile)  | -5...+80 °C   |
| Approvals                     | cULus         |

Accessories

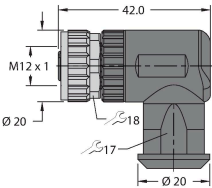
|                                                                                                                       |         |                                                                                                                                         |         |
|-----------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------|---------|
| TORQUE-WRENCH-SET-AS                                                                                                  | 6936170 | BLANK-LABEL-FOR-CORDSETS-TEL-TXL                                                                                                        | 6936206 |
| Torque wrench set; handles with adjustable torque 0.4-1.0 Nm, torque wrench for M8 (SW9), fork wrench for M12 (SW 14) |         | Label for TEL and TXL cables, length: 18 mm, height: 4 mm, material: polycarbonate (PC), color: white, halogen-free and flame-retardant |         |



|                                                                                                                                                                                                            |           |                                                                                                                                                                                                         |           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| FW-ERKPM0526-SA-P-0408                                                                                                                                                                                     | 100002534 | FW-ERKPM0516-SA-S-0408                                                                                                                                                                                  | 100002285 |
| 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 mm², plastic housing, metal coupling nut |           | 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 mm², 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 mm², plastic housing, metal nut |           |



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 |
|                   |                       |           |                                                                                                                                                                            |