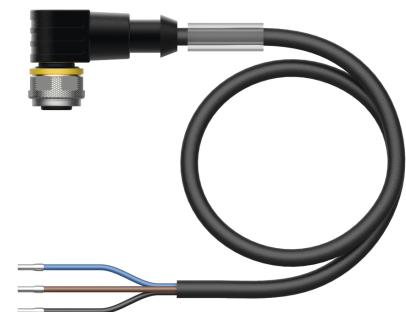
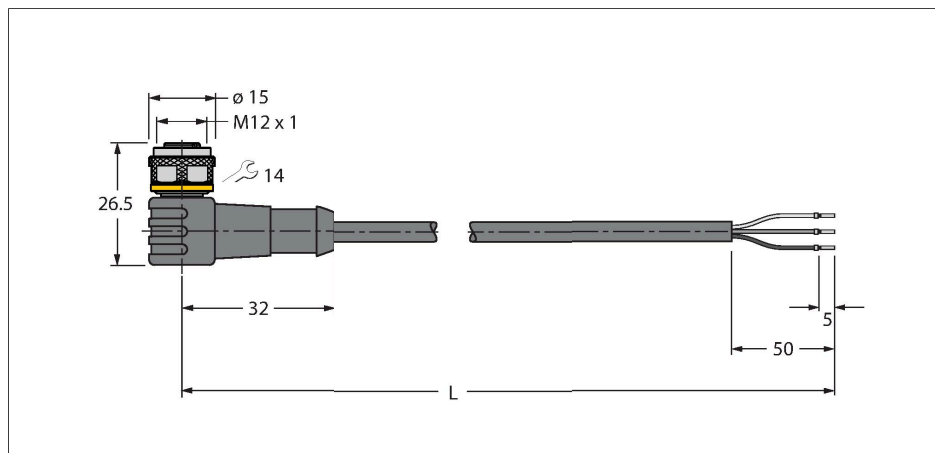


# WKC4T-45/TEL

## Actuator and Sensor Cable, PVC – Connection Cable



### Technical data

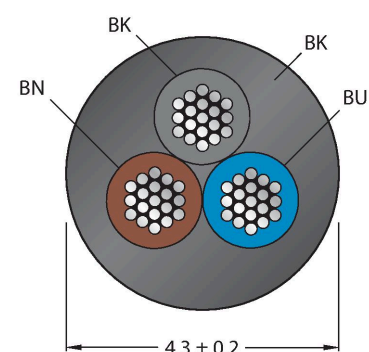
|                                        |                                        |
|----------------------------------------|----------------------------------------|
| Type                                   | WKC4T-45/TEL                           |
| ID                                     | 6628324                                |
| Connector A                            | Female, M12 × 1, Angled, A-coded       |
| Number of pins                         | 3                                      |
| Contacts                               | Brass, CuZn, Gold-plated               |
| Contact carriers                       | Plastic, TPU, Black                    |
| Connector body                         | Plastic, TPU, Black                    |
| Coupling nut/screw                     | Brass, CuZn, Nickel-plated             |
| Seal                                   | Plastic, FPM/FKM                       |
| Mechanical lifespan                    | > 100 Mating cycles                    |
| Pollution degree                       | 3                                      |
| Protection class                       | IP67, IP69K, Only in screwed condition |
| <b>Cable</b>                           |                                        |
| Cable diameter                         | Ø 4.3 mm ±0.20                         |
| Cable length                           | 45 m                                   |
| Cable jacket                           | PVC, Black                             |
| Core insulation                        | PVC                                    |
| Core cross-section                     | 3 x 0.34 mm <sup>2</sup>               |
| Arrangement of strands                 | 42 x 0.1 mm                            |
| Core colors                            | BN, 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                           |

### Features

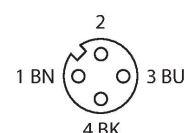


- Female M12, angled, 3-pin
- Jacket material: PVC
- Jacket color: black
- Resistant to chemicals and oils
- Flame retardant
- Resistant to acids and alkaline solutions
- Resistant to microbes and hydrolysis
- LABS free
- Protection class: IP67, IP69K
- Cable length: 45 m

### Cable Cross-Section



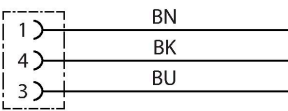
### Contact assignment



Technical data

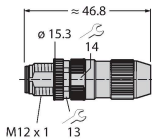
| Mechanical and chemical properties       |               |
|------------------------------------------|---------------|
| Bending radius (stationary installation) | ≥ 5 x Ø       |
| Bending radius (flexible use)            | ≥ 10 x Ø      |
| Ambient temperature (fixed)              | -40...+105 °C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

Circuit Diagram



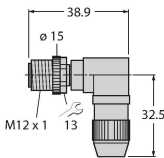
Accessories

|           |         |
|-----------|---------|
| HAS8141-0 | 6905406 |
|-----------|---------|



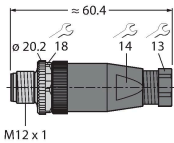
Field-wireable male connector, M12 × 1, straight, 4-pin, insulation piercing connection, cable feedthrough 4.0 to 5.1 mm, core cross-section/terminal capacity 0.14 to 0.34 mm², plastic housing, metal nut

|           |         |
|-----------|---------|
| HAS8241-0 | 6905400 |
|-----------|---------|



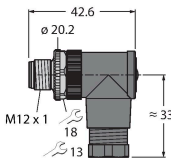
Field-wireable male connector, M12 × 1, angled, 4-pin, insulation piercing connection, cable feedthrough 4.0 to 5.1 mm, core cross-section/terminal capacity 0.14 to 0.34 mm², plastic housing, metal nut

|          |       |
|----------|-------|
| BS8141-0 | 69010 |
|----------|-------|



Field-wireable male 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, metal retaining screw

|          |       |
|----------|-------|
| BS8241-0 | 69011 |
|----------|-------|



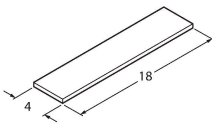
Field-wireable connector, M12 × 1, angled, 4-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm², plastic housing, metal retaining screw

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