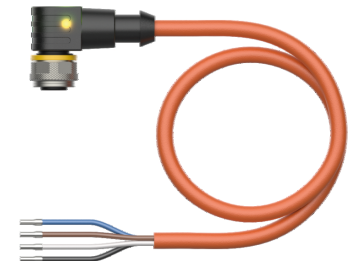
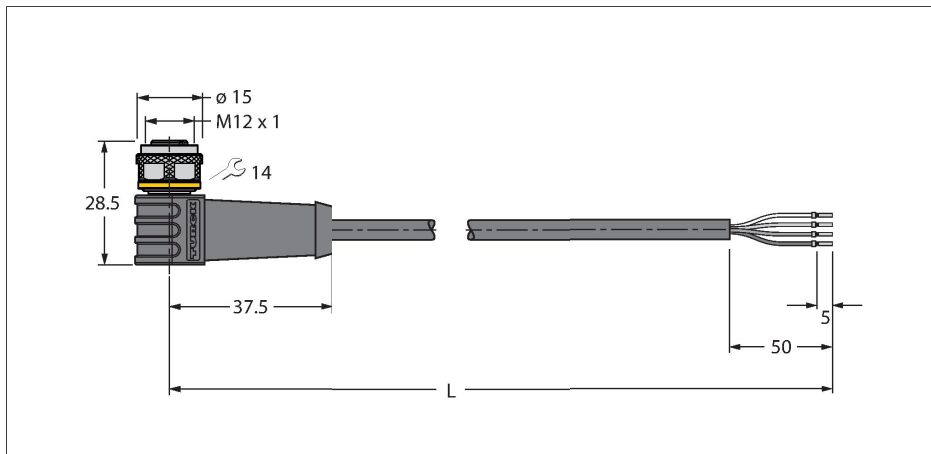


# WKC4.4T-P7X3.1-10/TXO3700

## Actuator and Sensor Cable, PUR – Connection Cable



### Technical data

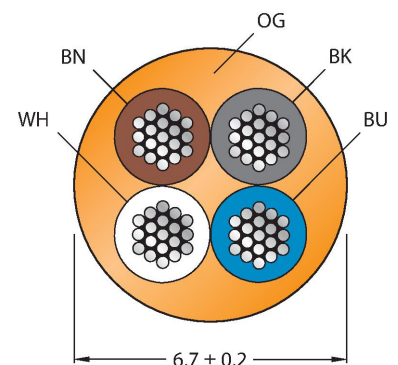
|                                        |                                        |
|----------------------------------------|----------------------------------------|
| Type                                   | WKC4.4T-P7X3.1-10/TXO3700              |
| ID                                     | 6631983                                |
| Connector A                            | Female, M12 × 1, Angled, A-coded       |
| Number of pins                         | 4                                      |
| Contacts                               | Brass, CuZn, Gold-plated               |
| Contact carriers                       | Plastic, TPU, Black                    |
| Connector body                         | Plastic, TPU, Translucent              |
| Coupling nut/screw                     | Brass, CuZn, Nickel-plated             |
| Seal                                   | Plastic, FPM/FKM                       |
| LED display                            | triple LED                             |
| Display operating voltage              | LED, Green                             |
| Display switch state                   | LED, Yellow/red                        |
| Mechanical lifespan                    | > 100 Mating cycles                    |
| Pollution degree                       | 3                                      |
| Protection class                       | IP67, IP69K, Only in screwed condition |
| <b>Cable</b>                           |                                        |
| Cable diameter                         | Ø 6.7 mm ±0.20                         |
| Cable length                           | 10 m                                   |
| Cable jacket                           | PUR, Orange                            |
| Core insulation                        | PP                                     |
| Core cross-section                     | 4 x 0.34 mm²                           |
| Arrangement of strands                 | 42 x 0.1 mm                            |
| Core colors                            | BN, WH, BU, BK                         |
| <b>Electrical properties at +20 °C</b> |                                        |
| Rated voltage                          | 30 V <sub>DC</sub>                     |
| Test voltage                           | 2000 V                                 |
| Current                                | 4 A                                    |

### Features



- Female M12, angled, 4-pin
- With 3-color LED (PNP, red, yellow, green)
- Jacket material: PUR
- Jacket color: orange
- Suitable for drag chain use
- Resistant to welding sparks
- Resistant to chemicals, UV radiation and oils
- Flame retardant (FT2 acc. to UL 1581, IEC 60332-2-2)
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- Protection class: IP67, IP69K
- Cable length: 10 m

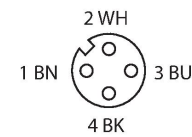
### Cable Cross-Section



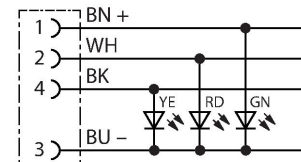
### Contact assignment

## Technical data

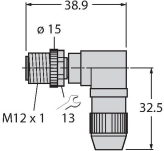
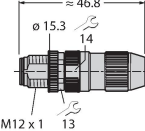
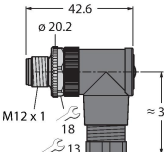
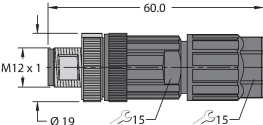
|                                           |                              |
|-------------------------------------------|------------------------------|
| Insulation resistance                     | > 30.5 MΩ/km                 |
| forward resistance                        | max. 57 Ω/km                 |
| <b>Mechanical and chemical properties</b> |                              |
| Bending radius (stationary installation)  | ≥ 5 x Ø                      |
| Bending radius (flexible use)             | ≥ 10 x Ø                     |
| Bending cycles                            | ≥ 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                          | ± 180 °/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

|                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>TORQUE-WRENCH-SET-AS</b><br><b>6936170</b><br>Torque wrench set; handles with adjustable torque 0.4-1.0 Nm, torque wrench for M8 (SW9), fork wrench for M12 (SW 14)                                                                                                                                                                           | <b>HAS8141-0</b><br><b>6905406</b><br>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 mm <sup>2</sup> , plastic housing, metal nut                                                                                                     |
| <b>HAS8241-0</b><br><b>6905400</b><br> 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 mm <sup>2</sup> , plastic housing, metal nut | <b>BS8141-0</b><br><b>69010</b><br> 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 mm <sup>2</sup> , plastic housing, metal retaining screw            |
| <b>BS8241-0</b><br><b>69011</b><br> 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 mm <sup>2</sup> , plastic housing, metal retaining screw  | <b>FW-ERSPM0426-SA-P-0408</b><br><b>100002048</b><br> Field-wireable male 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 mm <sup>2</sup> , plastic housing, metal retaining screw |

