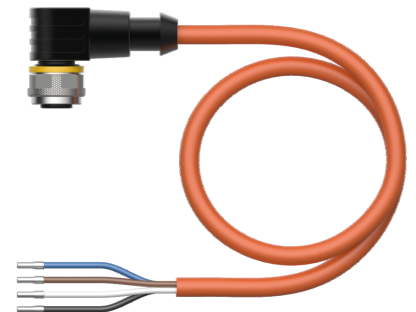


# WKC4.4T-15/TXO3700

## Actuator and Sensor Cable, PUR – Connection Cable



### Technical data

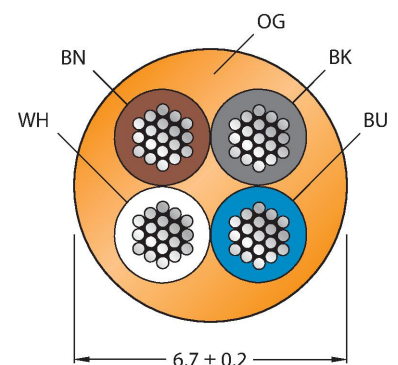
|                                 |                                        |
|---------------------------------|----------------------------------------|
| Type                            | WKC4.4T-15/TXO3700                     |
| ID                              | 6633025                                |
| 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, 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 |
| Cable                           |                                        |
| Cable diameter                  | Ø 6.7 mm ±0.20                         |
| Cable length                    | 15 m                                   |
| Cable jacket                    | PUR, Orange                            |
| Core insulation                 | PP                                     |
| 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                         |
| Electrical properties at +20 °C |                                        |
| 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, 4-pin
- 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: 15 m

### Cable Cross-Section



### Contact assignment

## Technical data

| Mechanical and chemical properties       |                              |
|------------------------------------------|------------------------------|
| Bending radius (stationary installation) | $\geq 5 \times \varnothing$  |
| 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                         | $\pm 180$ °/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

|                        |           |                                                                                                                                                                                                                                 |
|------------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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)                                                                                                           |
| 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 mm <sup>2</sup> , 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 mm <sup>2</sup> , 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 mm <sup>2</sup> , 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 mm <sup>2</sup> , plastic housing, metal retaining screw        |
|                        |           |                                                                                                                                                                                                                                 |
| FW-ERSPM0426-SA-P-0408 | 100002048 | 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        |
|                        |           |                                                                                                                                                                                                                                 |

