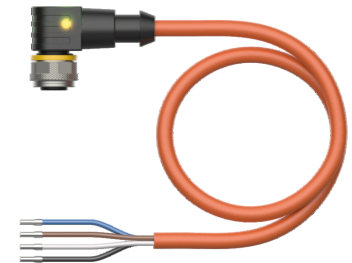


# WKC4.4T-P7X3.1-1/TXO

## Actuator and Sensor Cable, PUR – Connection Cable



### Technical data

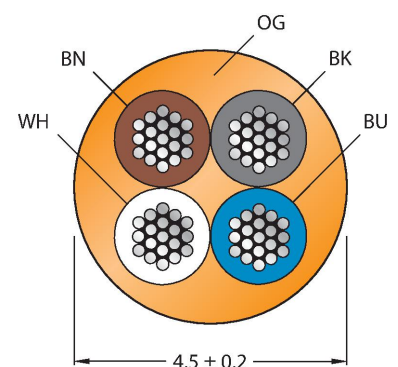
|                                        |                                        |
|----------------------------------------|----------------------------------------|
| Type                                   | WKC4.4T-P7X3.1-1/TXO                   |
| ID                                     | 6633844                                |
| 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 4.5 mm ±0.20                         |
| Cable length                           | 1 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 chemicals, UV radiation and oils
- Flame retardant (FT2 acc. to UL 1581, IEC 60332-2-2)
- Resistant to welding sparks
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- Protection class: IP67, IP69K
- Cable length: 1.0 m

### Cable Cross-Section



### Contact assignment

Technical data

|                                          |                 |
|------------------------------------------|-----------------|
| Insulation resistance                    | > 30.5 MΩ/km    |
| forward resistance                       | max. 57 Ω/km    |
| Mechanical and chemical properties       |                 |
| Bending radius (stationary installation) | ≥ 5 x Ø         |
| Bending radius (flexible use)            | ≥ 10 x Ø        |
| Bending cycles                           | ≥ 5 million     |
| Admissible acceleration                  | max. 5 m/s²     |
| Admissible travel path, horizontal       | 5 m (at 5 m/s²) |
| Admissible travel path, vertical         | 2 m (at 5 m/s²) |
| 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



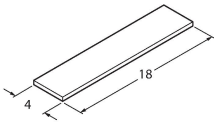
Accessories

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)

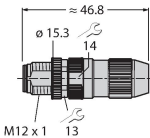
BLANK-LABEL-FOR-CORDSETS-TEL-TXL 6936206

Label for TEL and TXL cables, length: 18 mm, height: 4 mm, material: polycarbonate (PC), color: white, halogen-free and flame-retardant



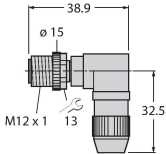
HAS8141-0 6905406

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



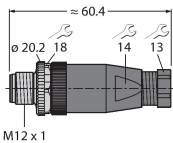
HAS8241-0 6905400

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



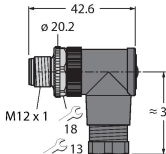
BS8141-0 69010

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



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 mm², plastic housing, metal retaining screw



FW-ERSPM0416-SA-S-0408

100002288

Field-wireable male 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 retaining screw



FW-EWSPM0416-SA-S-0408

100002290

Field-wireable male 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 retaining screw



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 |