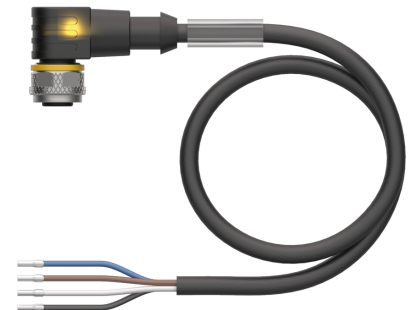


# WKC4.4T-P7X3-1.5/TXL

## Actuator and Sensor Cable, PUR – Connection Cable



### Technical data

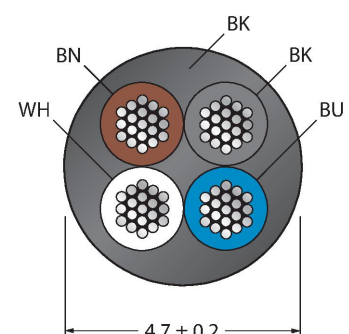
|                                        |                                        |
|----------------------------------------|----------------------------------------|
| Type                                   | WKC4.4T-P7X3-1.5/TXL                   |
| ID                                     | 6627219                                |
| 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                       |
| Display operating voltage              | LED, Green                             |
| Display switch state                   | LED, Yellow/Yellow                     |
| Mechanical lifespan                    | > 100 Mating cycles                    |
| Pollution degree                       | 3                                      |
| Protection class                       | IP67, IP69K, Only in screwed condition |
| <b>Cable</b>                           |                                        |
| Cable diameter                         | Ø 4.7 mm ±0.20                         |
| Cable length                           | 1.5 m                                  |
| Cable jacket                           | PUR, Black                             |
| 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                                    |
| Insulation resistance                  | > 30.5 MΩ/km                           |

### Features



- Female M12, angled, 4-pin
- With 3-color LED (PNP, yellow, yellow, green)
- Jacket material: PUR
- Jacket color: black
- 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: 1.5 m

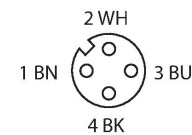
### Cable Cross-Section



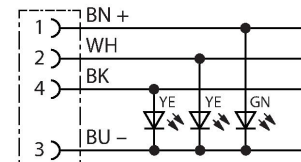
### Contact assignment

## Technical data

|                                                 |                              |
|-------------------------------------------------|------------------------------|
| 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 range (stationary)          | -50 °C...+80 °C              |
| Ambient temperature range (In motion)           | -25 °C...+80 °C              |
| Ambient temperature during drag chain operation | -25 °C...+60 °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 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

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 mm<sup>2</sup>, plastic housing, metal retaining screw

## FW-EWSPM0416-SA-S-0408

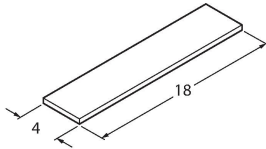
100002290



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 mm<sup>2</sup>, plastic housing, metal retaining screw

## 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

## 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)