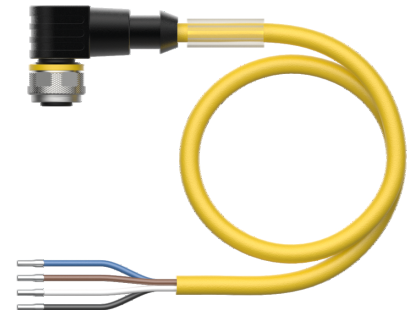
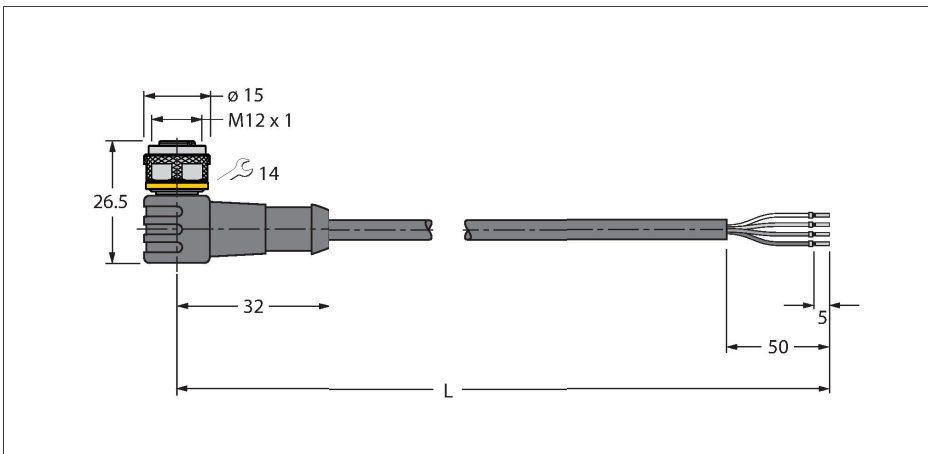


# WKC4.4T-5/TXY

## Actuator and Sensor Cable, PUR – Connection Cable



### Technical data

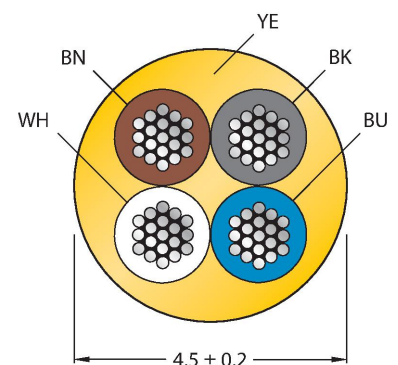
|                                 |                                        |
|---------------------------------|----------------------------------------|
| Type                            | WKC4.4T-5/TXY                          |
| ID                              | 6629370                                |
| 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 4.5 mm ±0.20                         |
| Cable length                    | 5 m                                    |
| Cable jacket                    | PUR, Yellow                            |
| 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: yellow
- 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: 5.0 m

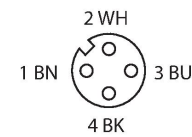
### Cable Cross-Section



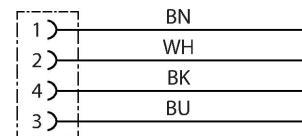
### Contact assignment

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



## Circuit Diagram

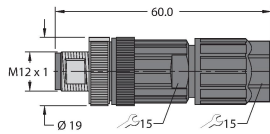


## Accessories

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

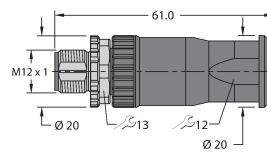
100002048



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

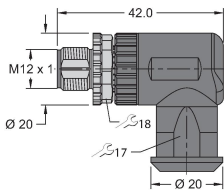
100002288



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

## Accessories

| Dimension drawing                                                                                                                                                                                                                                                                                                                  | Type                  | ID        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------|
| <p>The technical drawing shows two views of the PVC label holder. The top view is a rectangle with a central slot. Dimensions include a total width of 18 mm, a central slot width of 4 mm, and a distance from the left edge to the start of the slot of 7 mm. The side view shows a height of 18 mm and a thickness of 4 mm.</p> | LABEL-HOLDER-FLEX-PVC | 100048170 |