

# WKC4.4T-0.3-RSC4.4T/TXY

## Actuator and Sensor Cable, PUR – Extension Cable

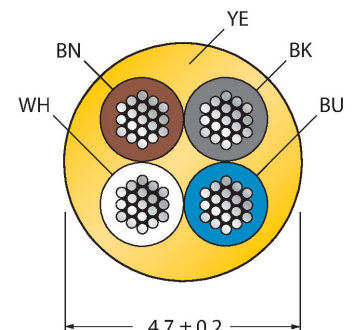


### Features



- Female M12, angled, 4-pin
- Male M12, straight, 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: 0.3 m

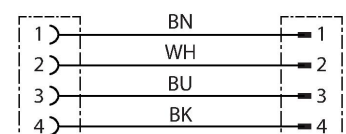
### Cable Cross-Section



### Contact assignment



### Circuit Diagram



### Technical data

|                              |                                         |
|------------------------------|-----------------------------------------|
| Type                         | WKC4.4T-0.3-RSC4.4T/TXY                 |
| ID                           | 6629766                                 |
| 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  |
| Connector B                  | Male, M12 × 1, Straight, A-coded        |
| Number of pins               | 4                                       |
| Contacts                     | Brass, CuZn, Gold-plated                |
| Contact carriers             | Plastic, TPU, Black                     |
| Connector body               | Plastic, TPU, Black                     |
| Coupling nut/retaining screw | Brass, CuZn, Nickel-plated              |
| Mechanical life              | > 100 Mating cycles                     |
| Pollution degree             | 3                                       |
| Protection class             | IP67, IP69K, Only when screwed together |
| Cable                        |                                         |
| Cable diameter               | Ø 4.7 mm ±0.20                          |
| Cable length                 | 0.3 m                                   |
| Cable jacket                 | PUR, Yellow                             |
| Core insulation              | PP                                      |
| Core cross-section           | 4 x 0.34 mm²                            |

Technical data

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

Accessories

TORQUE-WRENCH-SET-AS

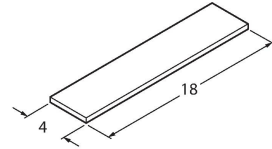
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Torque wrench set; handles with adjustable torque 0.4-1.0 Nm, torque wrench for M8 (SW9), fork wrench for M12 (SW 14)

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