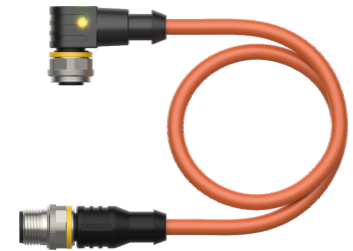
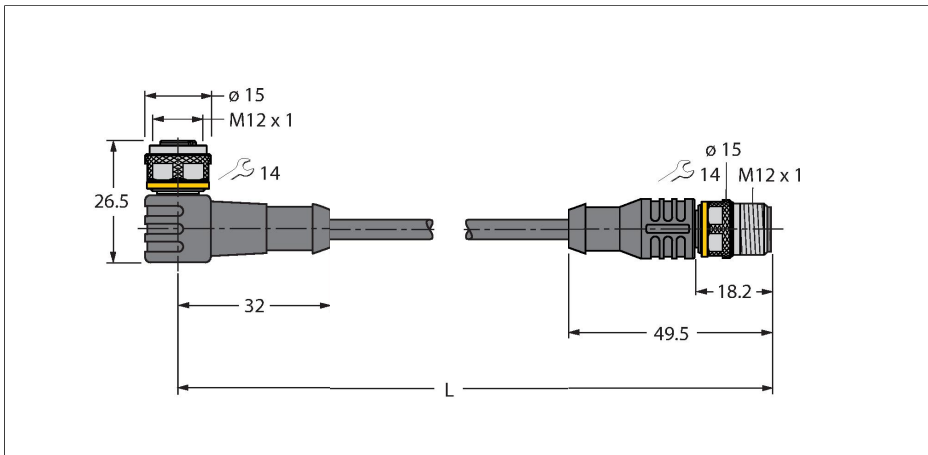


# WKC4.4T-P7X3.1-12.5-RSC4.4T/TXO3701

## Welding Spark Resistant Actuator and Sensor Cable – Extension Cable



### Technical data

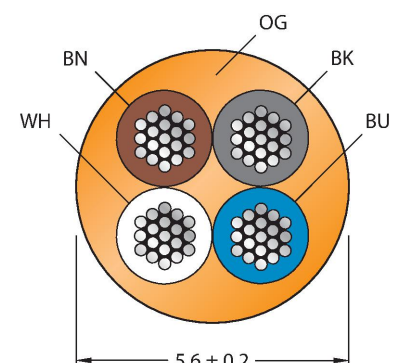
|                              |                                                                       |
|------------------------------|-----------------------------------------------------------------------|
| Type                         | WKC4.4T-P7X3.1-12.5-RSC4.4T/TXO3701                                   |
| ID                           | 6635679                                                               |
| Remark to product            | Specification according to VASS requirements (version: February 2021) |
| 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                                |
| 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                                                                     |

### Features



- Female M12, angled, 4-pin
- With 3-color LED (PNP, red, yellow, green)
- Male M12, straight, 4-pin
- Jacket material: PUR
- Jacket color: orange
- Resistant to welding sparks
- Suitable for drag chain use
- Resistant to chemicals, UV radiation and oils
- Flame retardant (FT2 acc. to UL/CSA; IEC 60332-1-2; IEC 60332-2-2)
- Halogen free (acc. to EN 50267-2-1)
- Free from silicone, PVC and LABS (acc. to PV3.10.7)
- Particularly resistant to abrasion
- Protection class: IP67, IP69K
- Cable length: 12.5 meters

### Cable Cross-Section



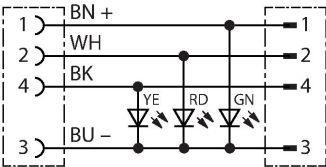
Technical data

|                                          |                                         |
|------------------------------------------|-----------------------------------------|
| Protection class                         | IP67, IP69K, Only when screwed together |
| Cable                                    |                                         |
| Cable diameter                           | Ø 5.6 mm ±0.20                          |
| Cable length                             | 12.5 m                                  |
| Cable jacket                             | PUR, Orange                             |
| Core insulation                          | PP                                      |
| Core cross-section                       | 4 x 0.34 mm <sup>2</sup>                |
| Core colors                              | BN, WH, BU, BK                          |
| Electrical properties at +20 °C          |                                         |
| Rated voltage                            | 30 V <sub>DC</sub>                      |
| Test voltage                             | 2000 V                                  |
| Current                                  | 4 A                                     |
| forward resistance                       | max. 60 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. 10 m/s <sup>2</sup>                |
| Admissible travel path, horizontal       | 10 m (at 10 m/s <sup>2</sup> )          |
| Admissible travel path, vertical         | 10 m (at 10 m/s <sup>2</sup> )          |
| Admissible traversing speed              | 3.3 m/s                                 |
| Torsional stress                         | ± 180 °/m                               |
| Ambient temperature (fixed)              | -40...+80 °C                            |
| Ambient temperature (mobile)             | -25...+80 °C                            |
| Ambient temperature (drag chain)         | -25...+60 °C                            |
| Approvals                                | cULus                                   |

Contact assignment



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) |         |

Accessories

|                   |                       |           |                                                                                                                                                                            |
|-------------------|-----------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimension drawing | Type                  | ID        | 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 |
|                   | LABEL-HOLDER-FLEX-PVC | 100048170 |                                                                                                                                                                            |