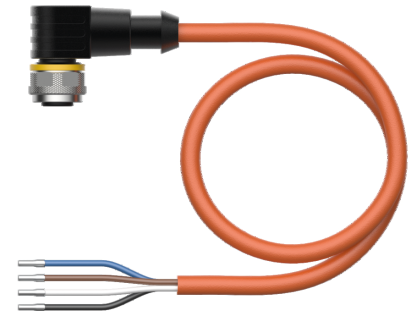
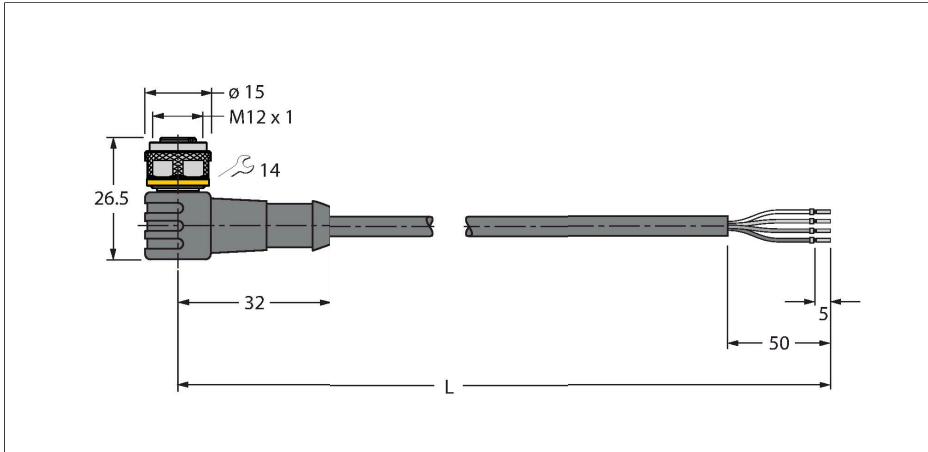


# WKC4.4T-1/TXO3701

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



### Technical data

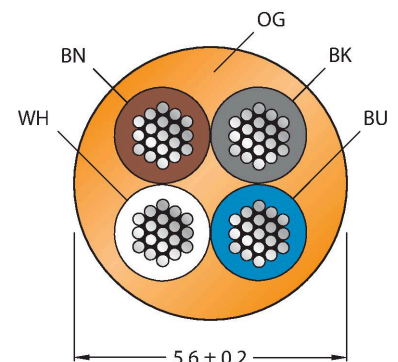
|                                 |                                                                       |
|---------------------------------|-----------------------------------------------------------------------|
| Type                            | WKC4.4T-1/TXO3701                                                     |
| ID                              | 6635631                                                               |
| 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, 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 5.6 mm ±0.20                                                        |
| Cable length                    | 1 m                                                                   |
| Cable jacket                    | PUR, Orange                                                           |
| Core insulation                 | PP                                                                    |
| Core cross-section              | 4 x 0.34 mm²                                                          |
| Core colors                     | BN, WH, BU, BK                                                        |
| Electrical properties at +20 °C |                                                                       |
| Rated voltage                   | 250 V                                                                 |
| Test voltage                    | 2000 V                                                                |
| Current                         | 4 A                                                                   |
| forward resistance              | max. 60 Ω/km                                                          |

### Features



- Female M12, angled, 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: 1.0 m

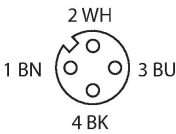
### Cable Cross-Section



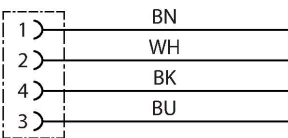
### Contact assignment

Technical data

| 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                          |



Circuit Diagram



Accessories

TORQUE-WRENCH-SET-AS6936170

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

HAS8141-06905406

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

HAS8241-06905400

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

BS8141-069010

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

BS8241-069011

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-0408100002048

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

