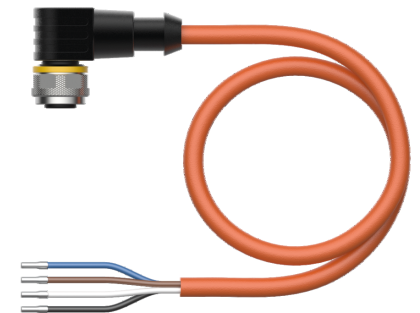
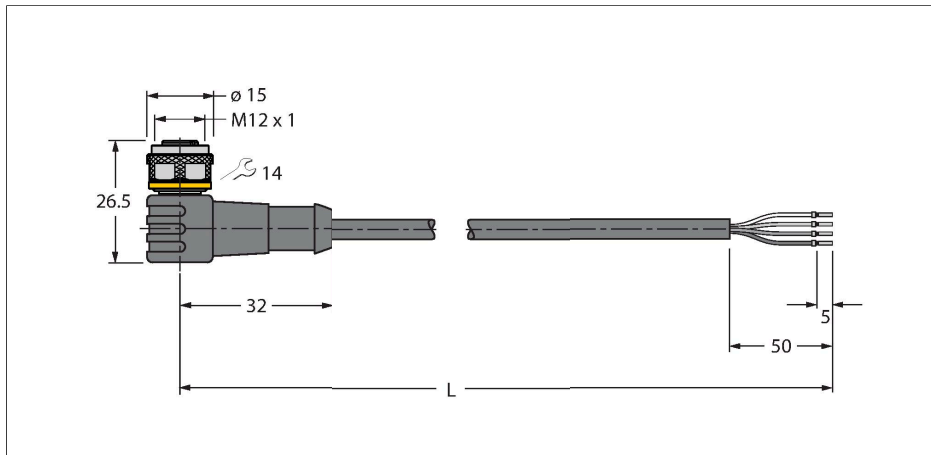


# WKC4.4T-5/TXO3701

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



### Technical data

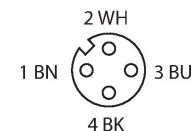
|                                 |   |
|---------------------------------|---|
| Type                            | WKC4.4T-5/TXO3701   |
| ID                              | 6635634   |
| Remark to product               | Specification according to VASS requirements (version: February 2021) |
| Connector 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                    | 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                   | 250 V   |
| Test voltage                    | 2000 V  |
| Current                         | 4 A   |
| forward resistance              | max. 60 Ω/km  |

### Features

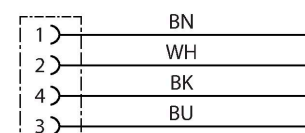


- Female M12, angled, 4-pin
- Jacket material: PUR
- Jacket color: orange
- Resistant to welding sparks
- Suitable for drag chain use
- Resistant to chemicals, UV radiation and oils
- Flame retardant (FT2 acc. to UL/CSA; IEC 60332-1-2; IEC 60332-2-2)
- Halogen free (acc. to EN 50267-2-1)
- Free from silicone, PVC and LABS (acc. to PV3.10.7)
- Particularly resistant to abrasion
- Protection class: IP67, IP69K
- Cable length: 5.0 m

### Contact assignment



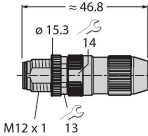
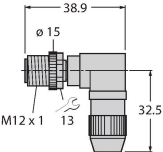
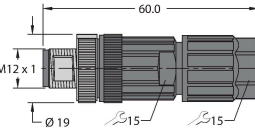
### Circuit Diagram



## 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. 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                                | $\pm 180$ °/m                  |
| Ambient temperature range (stationary)          | -40...+80 °C                   |
| Ambient temperature range (In motion)           | -25...+80 °C                   |
| Ambient temperature during drag chain operation | -25...+60 °C                   |
| Approvals                                       | cULus                          |

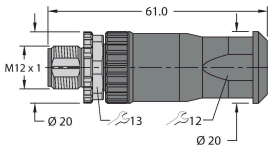
## Accessories

|                      |         |  |  |           |   |
|----------------------|---------|--|--|-----------|---|
| 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)  | 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   |  | 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 |  | 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        |
| 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 |  | 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        |

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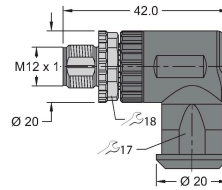
Field-wireable male connector, M12 × 1, straight, 4-pin, screw terminal connection, cable feedthrough 4.0 to 8.0 mm, core cross-section/terminal capacity 0.25 to 1.5 mm<sup>2</sup>, plastic housing, metal retaining screw



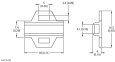
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Field-wireable male connector, M12 × 1, angled, 4-pin, screw terminal connection, cable feedthrough 4.0 to 8.0 mm, core cross-section/terminal capacity 0.25 to 1.5 mm<sup>2</sup>, plastic housing, metal retaining screw



## Accessories

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