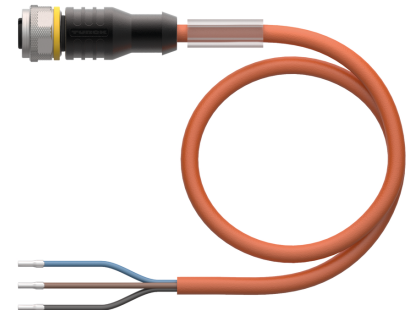
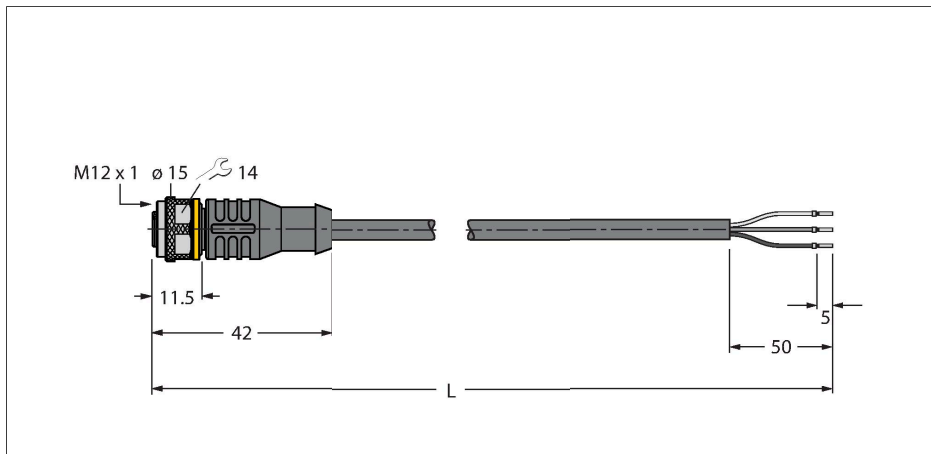


RKC4T-10/TXO3700

Actuator and Sensor Cable, PUR – Connection Cable



Technical data

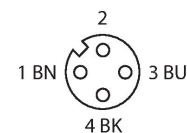
| | |
|---------------------------------|--|
| Type | RKC4T-10/TXO3700 |
| ID | 6632002 |
| Connector A | Female, M12 × 1, Straight, A-coded |
| Number of Pins | 3 |
| Contacts | Brass, CuZn, Gold-plated |
| Contact carriers | Plastic, TPU, Black |
| Connector body | Plastic, TPU, Black |
| Coupling 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 6.3 mm ±0.20 |
| Cable length | 10 m |
| Cable jacket | PUR, Orange |
| Core insulation | PP |
| Core cross-section | 3 x 0.34 mm ² |
| Arrangement of strands | 42 x 0.1 mm |
| Core colors | BN, 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

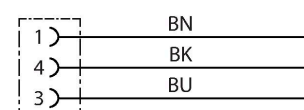


- Female M12, straight, 3-pin
- Jacket material: PUR
- Jacket color: orange
- Suitable for drag chain use
- Resistant to welding sparks
- Resistant to chemicals, UV radiation and oils
- Flame retardant (FT2 acc. to UL 1581, IEC 60332-2-2)
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- Protection class: IP67, IP69K
- Cable length: 10 m

Contact assignment



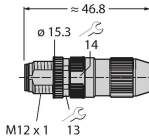
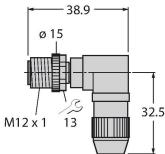
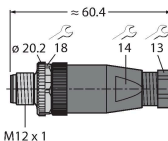
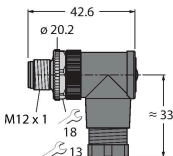
Circuit Diagram



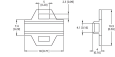
Technical data

| 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. 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...+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 mm², 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 mm², 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 mm², 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 mm², 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 |