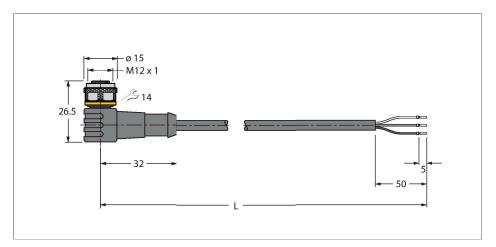
WKC4T-P7X2-1/TXL| 23-02-2025 10-08 | Technical modifications reserved

WKC4T-P7X2-1/TXL Actuator and Sensor Cable, PUR – Connection Cable





Technical data

| Туре | WKC4T-P7X2-1/TXL | | |
|---------------------------------|--|--|--|
| ID | 6629383 | | |
| Connector A | Female, M12 × 1, Angled, A-coded | | |
| Number of pins | 3 | | |
| 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 | dual LED | | |
| Display operating voltage | LED, Green | | |
| Display switch state | LED, Yellow | | |
| Mechanical lifespan | > 100 Mating cycles | | |
| Pollution degree | 3 | | |
| Protection class | IP67, IP69K, Only in screwed condition | | |
| Cable | | | |
| Cable diameter | Ø 4.1 mm ±0.20 | | |
| Cable length | 1 m | | |
| Cable jacket | PUR, Black | | |
| Core insulation | PP | | |
| Core cross-section | 3 x 0.34 mm² | | |
| Arrangement of strands | 42 x 0.1 mm | | |
| Core colors | BN, BU, BK | | |
| Electrical properties at +20 °C | | | |
| Rated voltage | 30 V _{DC} | | |
| Test voltage | 2000 V | | |
| Current | 4 A | | |
| | | | |

Features











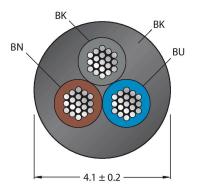






- Female M12, angled, 3-pin
- ■With 2-color LED (PNP, yellow, green)
- Jacket material: PUR
- Jacket color: black
- Suitable for drag chain use
- Resistant to chemicals, UV radiation and oils
- Flame retardant (FT2 acc. to UL 1581, IEC 60332-2-2)
- Resistant to welding sparks
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- ■Protection class: IP67, IP69K
- ■Cable length: 1.0 m

Cable Cross-Section



Contact assignment

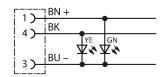


Technical data

| 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 (fixed) | -50+80 °C |
| Ambient temperature (mobile) | -25+80 °C |
| Ambient temperature (drag chain) | -25+60 °C |
| Approvals | cULus |



Circuit Diagram



Accessories

TORQUE-WRENCH-SET-AS

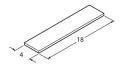
6936170

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

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



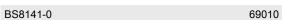
HAS8141-0 6905406

≈ 46.8 ø 15.3 14 14 M12x1 13 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





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 | Туре | 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 |