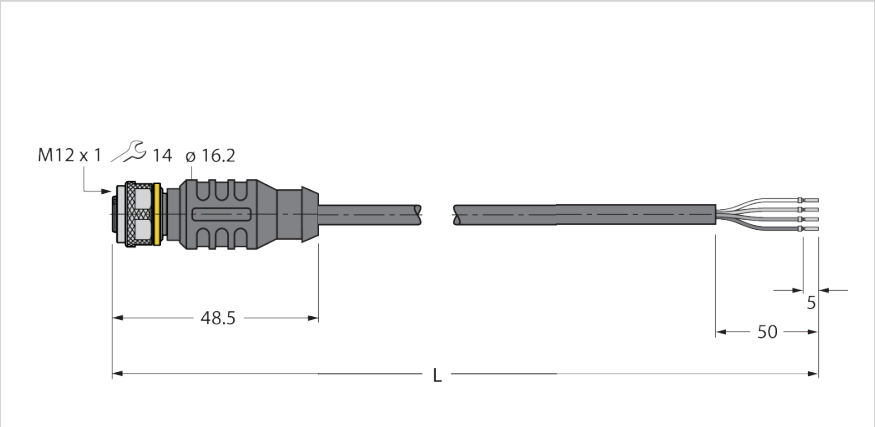
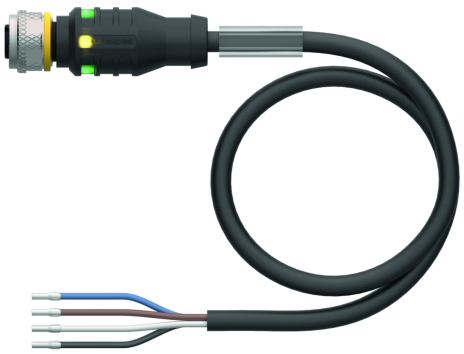
**RKC4.4T-P7X2-5/TXL**

# Actuator and Sensor Cable, PUR
## Connection Cable



| Type designation | RKC4.4T-P7X2-5/TXL |
|---|---|
| Ident-No. | 6626177 |

## Technical data

| | |
|---|---|
| **General data** | |
| Special features | LED |
| **Electrical data** | |
| Current | 4 A |
| Rated voltage | 30 $V_{DC}$ |
| forward resistance | max.57 Ω/km |
| Insulation resistance | >30,5 MΩ/km |
| Test voltage | 2000 V |
| **Mechanical data** | |
| Bending radius (stationary installation) | ≥5 x Ø |
| Bending radius (flexible use) | ≥10 x Ø |
| Bending cycles | ≥5 Mio. |
| 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 |
| **Connector A** | |
| Mechanical lifespan | > 100 Mating cycles |

## Features

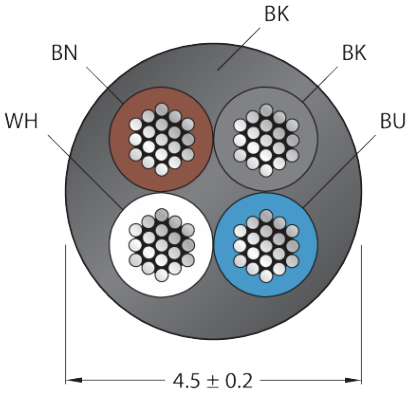
- M12 female connector, straight, 4-pin
- With 2-color LED (PNP, yellow, green), all-round visibility
- Jacket material: PUR
- Jacket color: black
- Suitable for drag chain use
- Resistant to chemicals, UV radiation and oils
- Flame retardant (FT2 acc. to UL 1581, IEC 60332-2-2)
- Resistant to welding sparks
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- Protection class: IP67, IP69K
- Cable length: 5.0 m

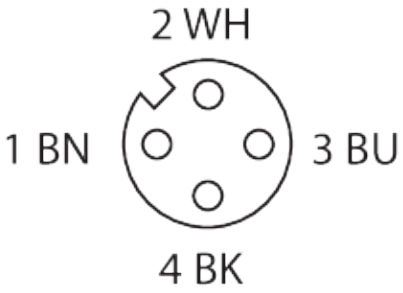
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## Technical data

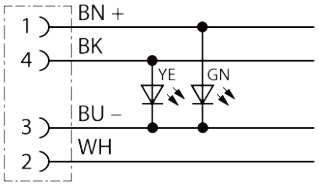
| | |
|---|---|
| Connector A | Female, M12 x 1, Straight, A-coded |
| Number of Pins | 4 |
| Contacts | Brass, CuZn, Gold-plated |
| Contact carriers | Plastic, TPU, Black |
| Connector body | Plastic, TPU, Translucent |
| Coupling nut/screw | Brass, CuZn, Nickel-plated |
| Seal | Plastic, FPM/FKM |
| LED display | dual LED |
| Display operating voltage | LED, Green |
| Display switch state | LED, Yellow |
| Search/warning signal indicator | LED, Yellow |
| Pollution degree | 3 |
| Protection class | IP67, IP69K, Only in screwed condition |
| **Cable** | |
| Cable diameter | 4,5 mm ±0.20 |
| Cable length | 5 m |
| Cable jacket | PUR, Black |
| Core insulation | PP |
| Core cross-section | 4 x 0,34 mm² |
| Arrangement of strands | 42 x 0,1 mm |
| Core colors | BN, WH, BU, BK |
| **Ambient conditions** | |
| Ambient temperature (mobile) | -25...+80 °C |
| Ambient temperature (fixed) | -50...+80 °C |
| Ambient temperature (drag chain) | -25...+60 °C |
| **Tests/approvals** | |
| Approvals | cULus |
| **Comments** | |
| Packaging unit | 1 |

## Cable Cross-Section



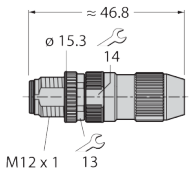



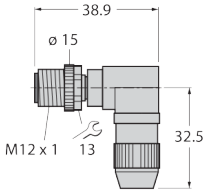

## Circuit Diagram



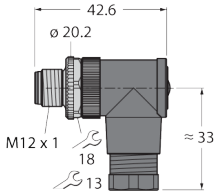

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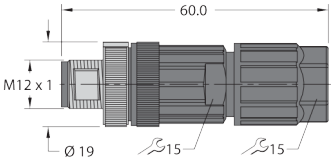
# Mounting accessories

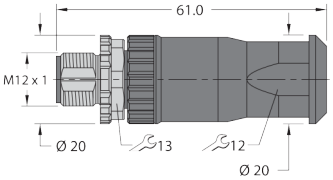
| HAS8141-0 | 6905406 |
|---|---|
|  | Field-wireable male connector, M12 × 1, straight, 4-pin, insulation piercing connection, cable feedthrough 4.0 to 5.1 mm, core cross-section/terminal capacity 0.14 to 0.34 mm², plastic housing, metal nut |

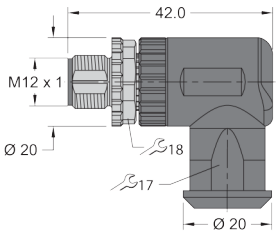
| HAS8241-0 | 6905400 |
|---|---|
|  | Field-wireable male connector, M12 × 1, angled, 4-pin, insulation piercing connection, cable feedthrough 4.0 to 5.1 mm, core cross-section/terminal capacity 0.14 to 0.34 mm², plastic housing, metal nut |

| 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 |

| FW-ERSPM0426-SA-P-0408 | 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 mm², plastic housing, metal retaining screw |

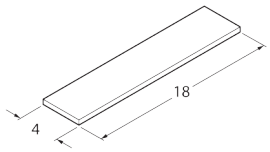
| FW-ERSPM0416-SA-S-0408 | 100002288 |
|---|---|
|  | Field-wireable male connector, M12 × 1, straight, 4-pin, screw terminal connection, cable feedthrough 4.0 to 8.0 mm, core cross-section/terminal capacity 0.25 to 1.5 mm², plastic housing, metal retaining screw |

| FW-EWSPM0416-SA-S-0408 | 100002290 |
|---|---|
|  | 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 mm², plastic housing, metal retaining screw |

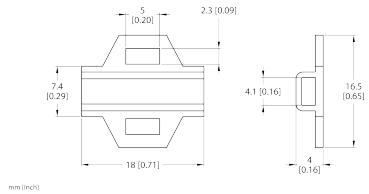
| TORQUE-WRENCH-SET-AS | 6936170 |
|---|---|
| | Torque wrench set; handles with adjustable torque 0.4-1.0 Nm, torque wrench for M8 (SW9), fork wrench for M12 (SW 14) |

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## Mounting accessories

| 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 |

## Connection accessories

| 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 |

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