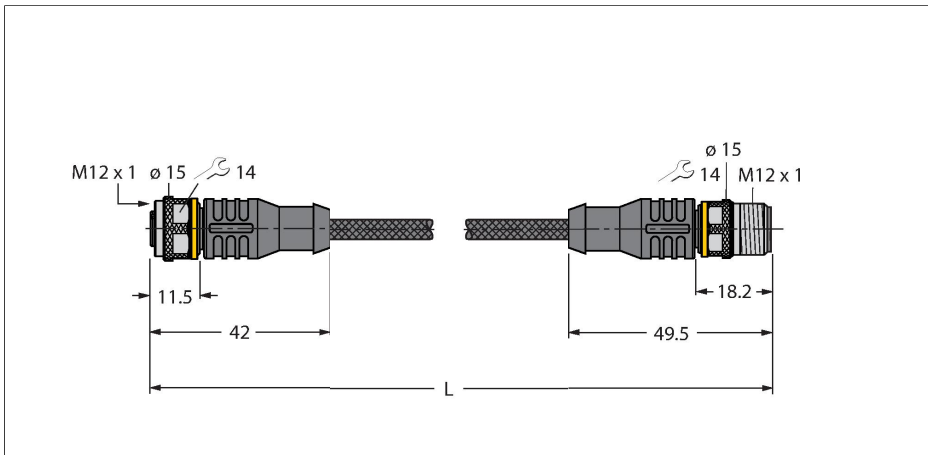


# RKC5T-0.6-RSC5T/TXL1001

## Weld-Splatter Resistant Actuator and Sensor Cable – Extension Cable



### Technical data

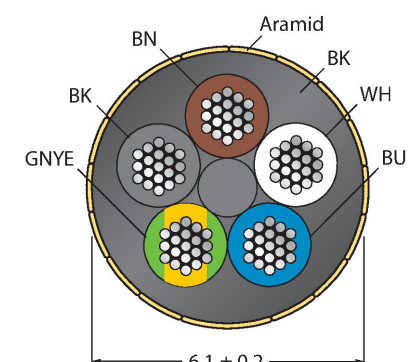
|                              |                                         |
|------------------------------|-----------------------------------------|
| Type                         | RKC5T-0.6-RSC5T/TXL1001                 |
| ID                           | 6628269                                 |
| Remark to product            | !!! Pin 5 = PE !!!                      |
| Connector A                  | Female, M12 × 1, Straight, A-coded      |
| Number of Pins               | 4+PE                                    |
| 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  |
| Connector B                  | Male, M12 × 1, Straight, A-coded        |
| Number of pins               | 4+PE                                    |
| Contacts                     | Brass, CuZn, Gold-plated                |
| Contact carriers             | Plastic, TPU, Black                     |
| Connector body               | Plastic, TPU, Black                     |
| Coupling nut/retaining screw | Brass, CuZn, Nickel-plated              |
| Mechanical life              | > 100 Mating cycles                     |
| Pollution degree             | 3                                       |
| Protection class             | IP67, IP69K, Only when screwed together |
| Cable                        |                                         |
| Cable diameter               | Ø 6.1 mm ±0.20                          |
| Cable length                 | 0.6 m                                   |

### Features



- Female M12, straight, 4-pin + PE
- Male M12, straight, 4-pin + PE
- Jacket material: PUR jacketed with aramid fibers
- Jacket color: yellow
- Resistant to welding sparks
- Flame retardant
- Resistant to chemicals, UV radiation and oils
- Free from halogen, silicone, PVC and LABS
- Protection class: IP67, IP69K
- Protective jacket material: aramid fibers
  - Tensile strength: 2923 MPa
  - Breaking strength: 333 N
  - Elongation at break: 3.6 %
  - Temperature peaks: up to +200 °C
- Cable length: 0.6 m

### Cable Cross-Section



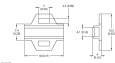
Technical data

|                                          |                      |
|------------------------------------------|----------------------|
| Cable jacket                             | PUR, Yellow          |
| Core insulation                          | PP                   |
| Core cross-section                       | 5 x 0.34 mm²         |
| Arrangement of strands                   | 42 x 0.1 mm          |
| Core colors                              | BN, WH, BU, BK, GNYE |
| Electrical properties at +20 °C          |                      |
| Rated voltage                            | 60 V                 |
| Test voltage                             | 2000 V               |
| Current                                  | 4 A                  |
| 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             |
| Ambient temperature range (stationary)   | -50...+105 °C        |
| Ambient temperature range (In motion)    | -30...+90 °C         |

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) |         |

Accessories

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

Contact assignment



Circuit Diagram

