

RKC4T-P7X2-1-RSC4T/TEL

Actuator and Sensor Cable, PVC – Extension Cable

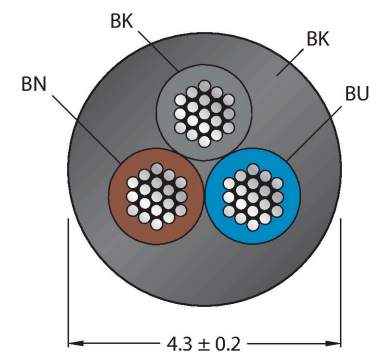


Features



- M12 female connector, straight, 3-pin
- With 2-color LED (PNP, yellow, green), all-round visibility
- Male M12, straight, 3-pin
- Jacket material: PVC
- Jacket color: black
- Resistant to chemicals and oils
- Flame retardant
- Resistant to acids and alkaline solutions
- Resistant to microbes and hydrolysis
- LABS free
- Protection class: IP67, IP69K
- Cable length: 1.0 m

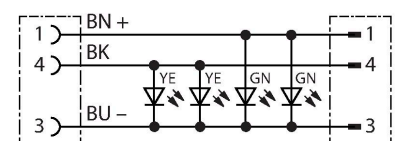
Cable Cross-Section



Contact assignment



Circuit Diagram



Technical data

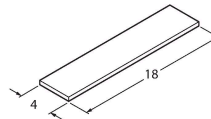
| | |
|------------------------------|---|
| Type | RKC4T-P7X2-1-RSC4T/TEL |
| ID | 6627314 |
| Connector A | Female, M12 × 1, Straight, A-coded |
| Number of Pins | 3 |
| Contacts | Brass, CuZn, Gold-plated |
| Contact carriers | Plastic, TPU, Black |
| Connector body | Plastic, TPU, Translucent |
| 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 |
| Connector B | Male, 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/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 4.3 mm ±0.20 |
| Cable length | 1 m |

Technical data

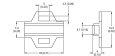
| | |
|---|--------------------------|
| Cable jacket | PVC, Black |
| Core insulation | PVC |
| Core cross-section | 3 x 0.34 mm ² |
| Arrangement of strands | 42 x 0.1 mm |
| Core colors | BN, BU, BK |
| Electrical properties at +20 °C | |
| Rated voltage | 30 V _{DC} |
| Test voltage | 2000 V |
| 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) | -40...+105 °C |
| Ambient temperature range (In motion) | -5...+80 °C |

Accessories

| | | | |
|---|----------------|---|----------------|
| TORQUE-WRENCH-SET-AS | 6936170 | BLANK-LABEL-FOR-CORDSETS-TEL-TXL | 6936206 |
| Torque wrench set; handles with adjustable torque 0.4-1.0 Nm, torque wrench for M8 (SW9), fork wrench for M12 (SW 14) | | Label for TEL and TXL cables, length: 18 mm, height: 4 mm, material: polycarbonate (PC), color: white, halogen-free and flame-retardant | |



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 x 18 mm; delivery unit: 50 pcs. per package |