

# RKS4T-16/TEL

## Actuator and Sensor Cable, PVC – Connection Cable



### Technical data

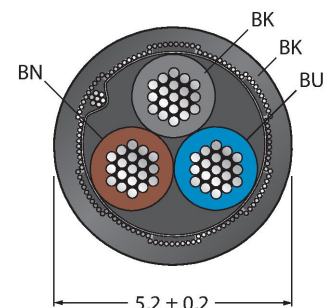
|                                 |                                        |
|---------------------------------|----------------------------------------|
| Type                            | RKS4T-16/TEL                           |
| ID                              | 6630738                                |
| 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 5.2 mm ±0.20                         |
| Cable length                    | 16 m                                   |
| Cable jacket                    | PVC, Black                             |
| Shielding                       | Aluminum foil, tinned copper wire      |
| Core insulation                 | PVC                                    |
| Core cross-section              | 3 x 0.34 mm <sup>2</sup>               |
| 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
- Shield on coupling nut/screw
- Jacket material: PVC, shielded
- 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: 16 m

### Cable Cross-Section



### Contact assignment

Technical data

| 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)    | 0...+80 °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 |         |



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 |