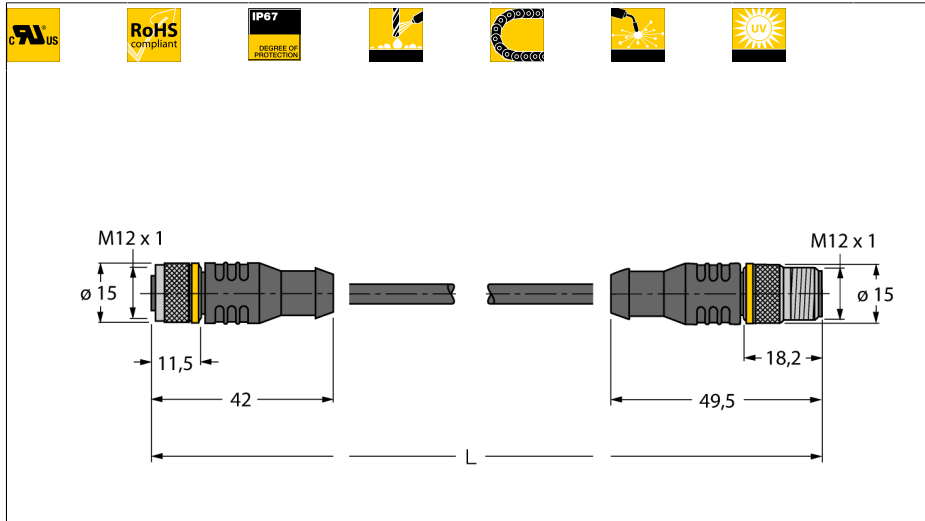


**Actuator/sensor cable, PUR  
extension cable  
RKC4T-5-RSC4T/TXL**

**TURCK**

Industrial  
Automation



- Female M12, straight, 3-pin
- Male M12, straight, 3-pin
- Sheath material: PUR
- Sheath color: black
- Qualified for drag chain use
- Weld-splatter resistant
- Resistant to chemicals, UV radiation and oils
- Flame retardant
- Free from halogen, silicone, PVC and LABS
- Approval: cULus
- RoHS conform
- Protection class IP67
- Cable length: 5.0 m

|                         |                                                        |
|-------------------------|--------------------------------------------------------|
| <b>Type code</b>        | RKC4T-5-RSC4T/TXL                                      |
| <b>Ident no.</b>        | 6625730                                                |
| <b>Connector A side</b> | female connector, M12 x 1, straight                    |
| Number of pins          | 3                                                      |
| Contacts                | metal, CuZn, gold-plated                               |
| Contact carriers        | plastic, TPU, black                                    |
| Grip                    | plastic, TPU, black                                    |
| Coupling nut/screw      | metal, CuZn, nickel-plated                             |
| Coupling nut/screw      | metal                                                  |
| Protection class        | IP67, only in screwed state                            |
| Mechanical lifespan     | > 100 mating cycles                                    |
| Pollution degree        | 3                                                      |
| Tightening torque       | 0.8 ... 1 Nm<br>(observe max. value of counter piece!) |

**Pin assignment**



**circuit diagram**



|                         |                                                        |
|-------------------------|--------------------------------------------------------|
| <b>Connector B side</b> | male connector, M12 x 1, straight                      |
| Number of pins          | 3                                                      |
| Contacts                | metal, CuZn, gold-plated                               |
| Contact carriers        | plastic, TPU, black                                    |
| Grip                    | plastic, TPU, black                                    |
| Coupling nut/screw      | metal, CuZn, nickel-plated                             |
| Protection class        | IP67, only in screwed state                            |
| Mechanical lifespan     | > 100 contact durability                               |
| Pollution degree        | 3                                                      |
| Tightening torque       | 0.8 ... 1 Nm<br>(observe max. value of counter piece!) |

|                          |                       |
|--------------------------|-----------------------|
| <b>General data</b>      |                       |
| Cable diameter           | Ø 4.3 mm +/-0.20      |
| Cable length             | 5 m                   |
| Sheath color             | PUR (black)           |
| Core insulation (colors) | PP (BN, BU, BK)       |
| Core cross-section       | 3x0.34mm <sup>2</sup> |
| Litz wire arrangement    | 42x0.1 mm             |

|                                      |                |
|--------------------------------------|----------------|
| <b>Electrical features at +20 °C</b> |                |
| Rated current                        | 4 A            |
| Rated voltage [Umax]                 | 250 V          |
| Insulation resistance                | > 1 GΩ x km    |
| Test voltage                         | 2000 V         |
| Forward resistance                   | max. 57.5 Ω/km |

**Actuator/sensor cable, PUR  
extension cable  
RKC4T-5-RSC4T/TXL**

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**Mechanical and chemical properties**

|                                    |                             |
|------------------------------------|-----------------------------|
| Max. tensile strength (static)     | $\leq 50 \text{ N/mm}^2$    |
| Max. tensile strength (dynamic)    | $\leq 20 \text{ N/mm}^2$    |
| bending cycles                     | $> 5 \text{ mil.}$          |
| Static Bending Radius              | $> 5 \times \varnothing$    |
| Bending radius (flexible use)      | $> 10 \times \varnothing$   |
| Admissible acceleration            | max. $5 \text{ m/s}^2$      |
| Admissible travel path, horizontal | 5 m (at $5 \text{ m/s}^2$ ) |
| Admissible travel path, vertical   | 2 m (at $5 \text{ m/s}^2$ ) |
| Admissible traversing speed        | 3.3 m/s                     |
| Torsional stress                   | $\pm 180^\circ/\text{m}$    |
| Ambient temperature                |                             |
| at rest                            | -50 ... 80°C                |
| In moving state                    | -25 ... 80°C                |
| drag chain operation               | -25 ... 60°C                |