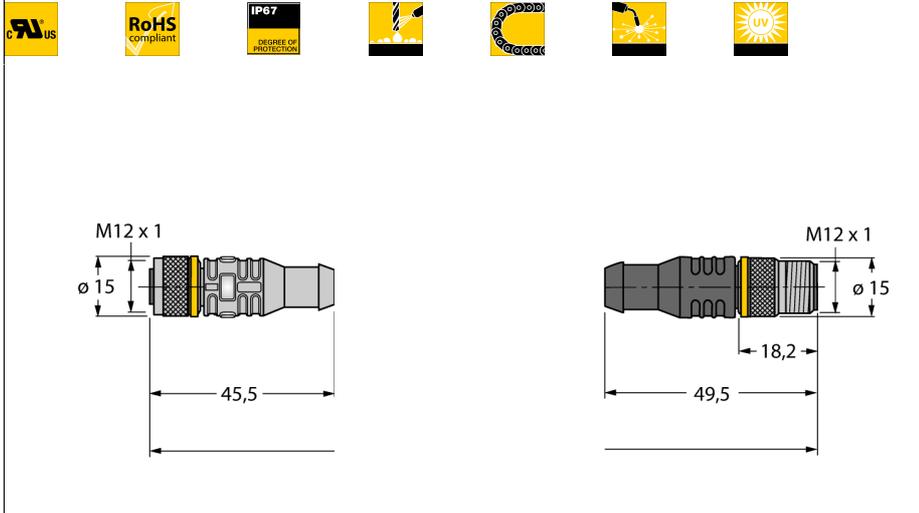


**Actuator/sensor cable, PUR  
extension cable  
RKC4T-P7X2-5-RSC4T/TXL**



- Female M12, straight, 3-pin
- With 2-color LED (PNP, yellow, green)
- 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

**Type code** RKC4T-P7X2-5-RSC4T/TXL  
**Ident no.** 6627221

**Connector A side**  
 Number of pins female connector, M12 x 1, straight  
 3  
 Contacts metal, CuZn, gold-plated  
 Contact carriers plastic, TPU, black  
 Grip plastic, TPU, transparent  
 Coupling nut/screw metal, CuZn, nickel-plated  
 Coupling nut/screw metal  
 Protection class IP67, only in screwed state  
 Operating voltage LED green  
 Display switch state LED yellow  
 Mechanical lifespan > 100 mating cycles  
 Pollution degree 3  
 Tightening torque 0.8 ... 1 Nm  
 (observe max. value of counter piece!)

**Connector B side**  
 Number of pins male connector, M12 x 1, straight  
 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  
 (observe max. value of counter piece!)

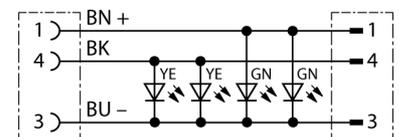
**General data**  
 Cable diameter Ø 4.3 mm +/-0.20  
 Sheath color PUR (black)  
 Core insulation (colors) PP (BN, BU, BK)  
 Core cross-section 3x0.34mm<sup>2</sup>  
 Litz wire arrangement 42x0.1 mm

**Electrical features at +20 °C**  
 Rated current 4 A  
 Rated voltage [Umax] 30 V  
 Insulation resistance > 1 GΩ x km  
 Test voltage 2000 V  
 Forward resistance max. 57.5 Ω/km

**Pin assignment**



**circuit diagram**



**Actuator/sensor cable, PUR  
extension cable  
RKC4T-P7X2-5-RSC4T/TXL**

**TURCK**

Industrial  
Automation

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**Mechanical and chemical properties**

Max. tensile strength (static)	≤ 50 N/mm <sup>2</sup>
Max. tensile strength (dynamic)	≤ 20 N/mm <sup>2</sup>
bending cycles	> 5 mil.
Static Bending Radius	> 5 x Ø
Bending radius (flexible use)	> 10 x Ø
Admissible acceleration	max. 5 m/s <sup>2</sup>
Admissible travel path, horizontal	5 m (at 5 m/s <sup>2</sup> )
Admissible travel path, vertical	2 m (at 5 m/s <sup>2</sup> )
Admissible traversing speed	3.3 m/s
Torsional stress	± 180 °/m
Ambient temperature	
at rest	-50 ... 80°C
In moving state	-25 ... 80°C
drag chain operation	-25 ... 60°C