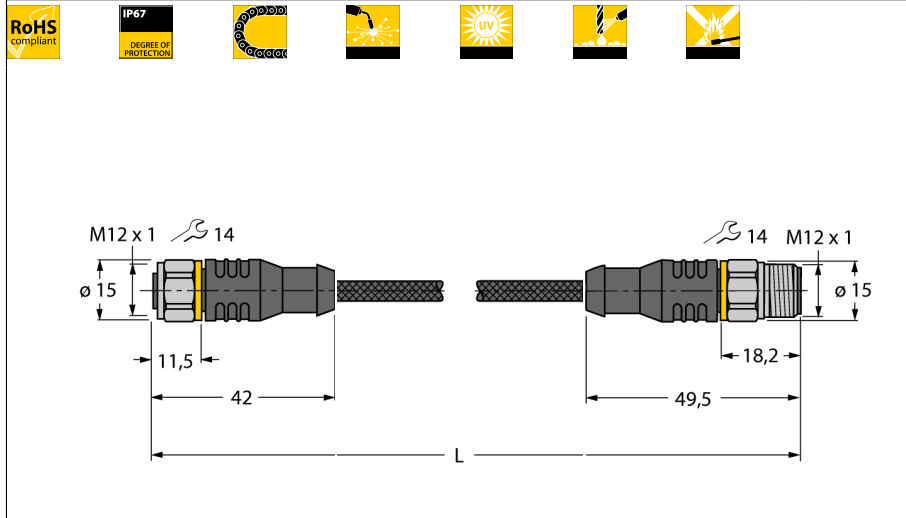


**Weld-Splatter Resistant Actuator and Sensor Cable extension cable**  
**RKCV4.4T-4-RSCV4.4T/TXL1001**



- Female M12, straight, 4-pin
- Stainless steel coupling nut/screw
- M12 male, straight, 4-pin
- Sheath material: PUR sheathed with aramid
- Sheath color: yellow
- Resistant to weld splatter
- Flame retardant
- Resistant to chemicals, UV radiation and oils
- Free from halogen, silicone, PVC and LABS
- Approval: cULus (up to 80 °C)
- RoHS conform
- Protection class IP67
- Protective sheathing material: Aramid fibers
  - Tensile strength: 2923 MPa
  - Breaking strength: 333 N
  - Elongation at break: 3.6%
  - Continuous operating temperature: 200 °C
- Cable length: 4.0 m

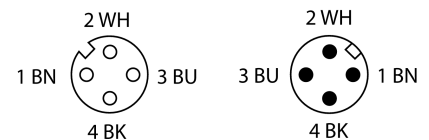
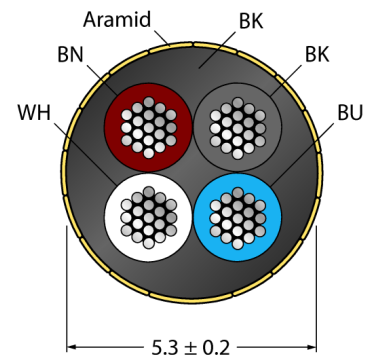
**Type code** RKCV4.4T-4-RSCV4.4T/TXL1001  
**Ident no.** 6629254

**Connector A side**  
 Number of Pins 4  
 Contacts metal, CuZn, gold-plated  
 Contact carriers plastic, TPU, black  
 Grip plastic, TPU, black  
 Coupling nut/screw stainless steel, V4A  
 Seal plastic, FPM/FKM  
 Protection class IP67, A + B side screwed together  
 Mechanical lifespan > 100 mating cycles  
 Pollution degree 3  
 Tightening torque 0.8 ... 1 Nm  
 (observe max. torque of counter piece!)

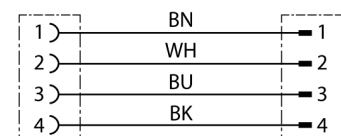
**Connector B side**  
 Number of pins 4 pins  
 Contacts metal, CuZn, gold-plated  
 Contact carriers plastic, TPU, black  
 Grip plastic, TPU, black  
 Coupling nut/screw stainless steel, V4A  
 Protection class IP67, only in screwed state  
 Mechanical lifespan > 100 contact durability  
 Pollution degree 3  
 Tightening torque 0.8 ... 1 Nm  
 (observe max. torque of counter piece!)

**General data**  
 Cable diameter 5.3 +/-0.20mm  
 Cable length 4 m  
 Cable Jacket Material PUR  
 Cable Jacket Color black  
 Core insulation PP  
 Core colors BN, WH, BU, BK  
 Core cross-section 4x0.34mm<sup>2</sup>  
 Arrangement of strands 42x0.1 mm

**Cable cross-section**



**Circuit diagram**



**Electrical features at +20 °C**  
 Ampacity 4 A  
 Rated Voltage 250 V  
 Insulation resistance > 30.5 MΩ/km  
 Test voltage 2000 V  
 Forward resistance max. 57 Ω/km

## Weld-Splatter Resistant Actuator and Sensor Cable extension cable RKCV4.4T-4-RSCV4.4T/TXL1001

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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 radius (stationary laying)	> 5 x Ø
Bending radius (flexible use)	> 10 x Ø
Ambient temperature	
Stationary	-50 ... 90°C
In motion	-30 ... 90°C