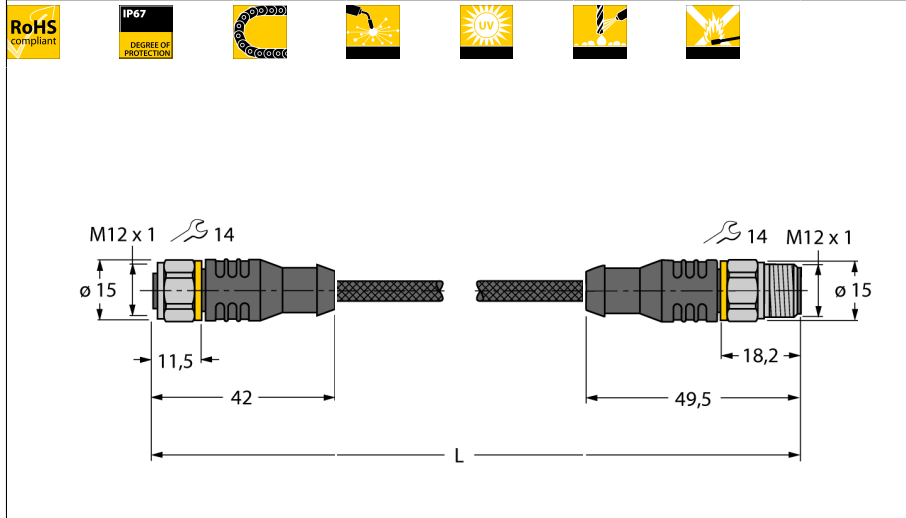


**Weld-Splatter Resistant Actuator and Sensor Cable
extension cable
RKCV4.4T-3-RSCV4.4T/TXL1001**



- 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: 3.0 m

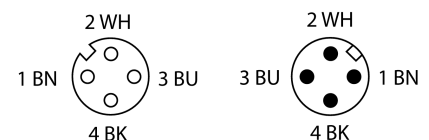
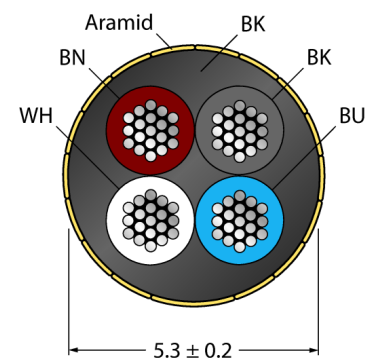
Type code RKCV4.4T-3-RSCV4.4T/TXL1001
Ident no. 6629253

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!)

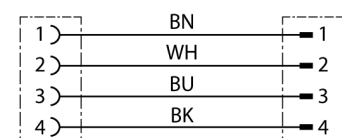
Connector B side
Number of pins 4
Contacts metal, CuZn, gold-plated
Contact carriers plastic, TPU, black
Grip plastic, TPU, black
Coupling nut/screw stainless steel, V4A
Protection class IP67, only in screwed state
Mechanical lifespan > 100 contact durability
Pollution degree 3
Tightening torque 0.8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

General data
Cable diameter 5.3 +/-0.20mm
Cable length 3 m
Cable Jacket Material PUR
Cable Jacket Color black
Core insulation PP
Core colors BN, WH, BU, BK
Core cross-section 4x0.34mm²
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-3-RSCV4.4T/TXL1001

Mechanical and chemical properties

Max. tensile strength (static)	≤ 50 N/mm ²
Max. tensile strength (dynamic)	≤ 20 N/mm ²
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