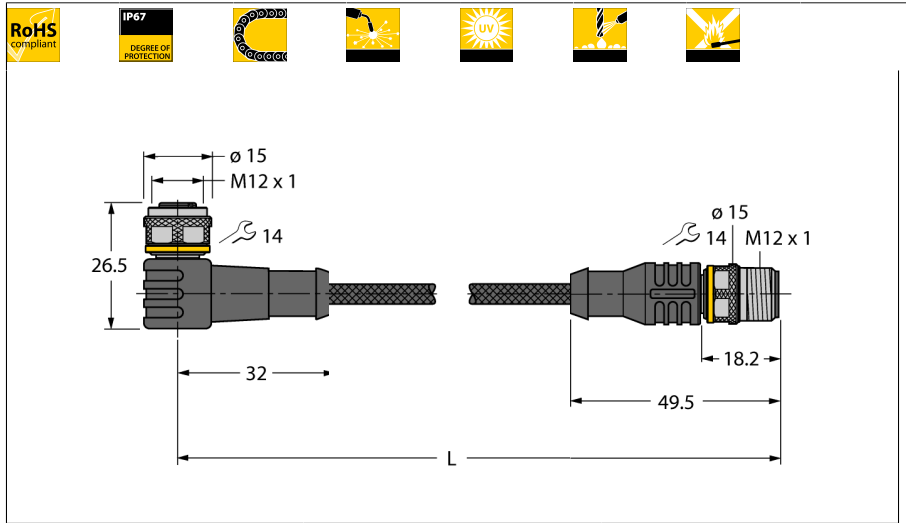


Weld-Splatter Resistant Actuator and Sensor Cable extension cable
WKC4.5T-2-RSC4.5T/TXL1001



- Female M12, angled, 5-pin
- Male M12, straight, 5-pin
- Jacket material: PUR jacketed with aramid
- Jacket color: yellow
- Resistant to welding sparks
- Flame-retardant
- Resistant to chemicals, UV radiation and oils
- Free from halogen, silicone, PVC and LABS
- RoHS-compliant
- Protection class IP67
- Protective jacket material: Aramid fibers
 - Tensile strength: 2923 MPa
 - Breaking strength: 333 N
 - Elongation at break: 3.6%
 - Temperature peaks: up to +200 °C
- Cable length: 2.0 m

Type designation WKC4.5T-2-RSC4.5T/TXL1001
Ident no. 6628265

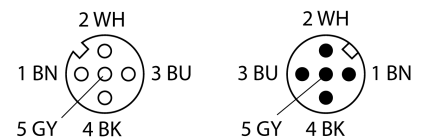
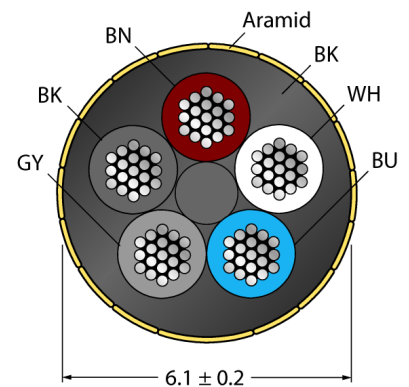
Connector A side
 Number of pins Female connector, M12 1, Angled 5
 Contacts Brass, CuZn, Gold-plated
 Contact carriers Plastic, TPU, Black
 Grip Plastic, TPU, Black
 Coupling nut/screw Brass, CuZn, Nickel-plated
 Seal Plastic, FPM/FKM
 Protection class IP67, A + B side screwed together
 Mechanical lifespan > 100 Mating cycles
 Pollution degree 3
 Tightening torque 0.8 ... 1 Nm (observe max. torque of counter piece!)

Connector B side
 Number of pins Connector, M12 x 1, Straight 5
 Contacts brass, CuZn, Gold-plated
 Contact carriers Plastic, TPU, Black
 Grip plastic, TPU, black
 Coupling nut/screw Brass, CuZn, Nickel-plated
 Protection class IP67, only in screwed state
 Mechanical lifespan > 100 Mating cycles
 Pollution degree 3
 Tightening torque 0.8 ... 1 Nm (observe max. torque of counter piece!)

General data
 Cable diameter 6.1 ± 0.20mm
 Cable length 2 m
 Cable quality PUR
 Cable color Black
 Core insulation PP
 Core colors BN, WH, BU, BK, GY
 Core cross-section 5x0.34mm²
 Arrangement of strands 42x0.1 mm

Electrical features at +20 °C
 Current 4 A
 Rated voltage 60 V
 Insulation resistance > 30.5 MΩ/km
 Test voltage 2000 V
 Forward resistance max. 57 Ω/km

Cable Cross-section



General information

Drawing depicts design version including hexagon coupling nut
 (Production date after CW11/2016).

Circuit Diagram



Weld-Splatter Resistant Actuator and Sensor Cable extension cable WKC4.5T-2-RSC4.5T/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...+105°C
In motion	-30...+90°C

**Weld-Splatter Resistant Actuator and Sensor Cable
extension cable
WKC4.5T-2-RSC4.5T/TXL1001**

TURCK

Industrial
Automation

Accessories

Type code	Ident no.	Description	
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-CORDESETS-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	