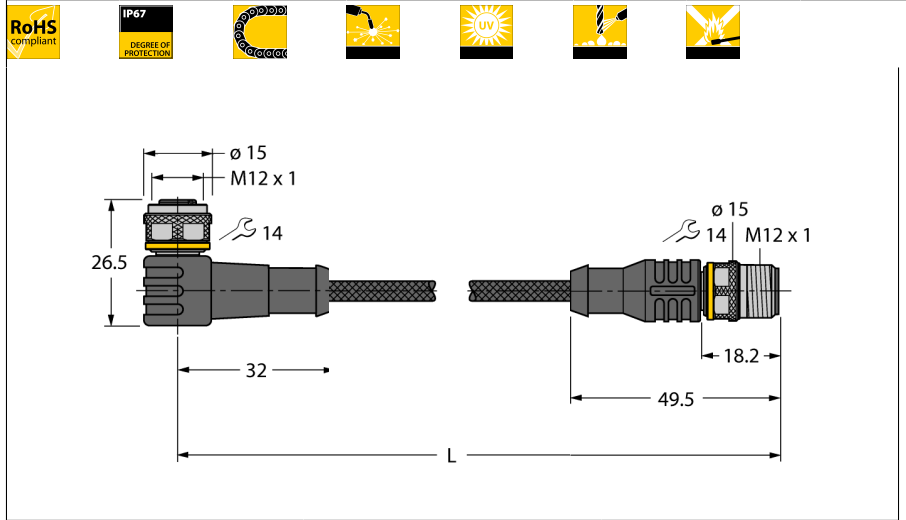


**Weld-Splatter Resistant Actuator and Sensor Cable extension cable**  
**WKC5T-P7X3-1-RSC5T/TXL1001**



- Female M12, angled, 4-pin + PE
- With 3-color LED (PNP, yellow, yellow, green)
- Male M12, straight, 4-pin + PE
- 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: 1.0 m

**Type designation** WKC5T-P7X3-1-RSC5T/TXL1001  
**Ident no.** 6630245

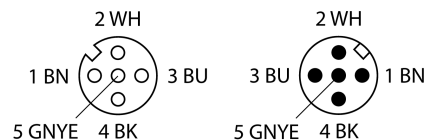
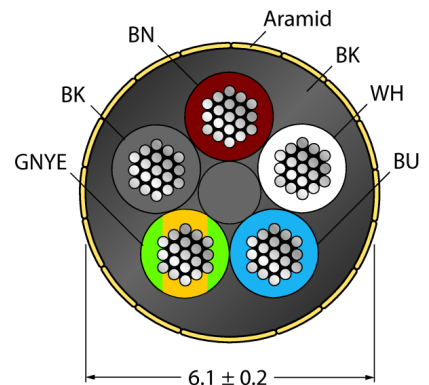
**Connector A side**  
 Number of pins Female connector, M12 1, Angled 4+PE  
 Contacts Brass, CuZn, Gold-plated  
 Contact carriers Plastic, TPU, Black  
 Grip Plastic, TPU, Black  
 Coupling nut/screw Brass, CuZn, Nickel-plated  
 Seal Plastic, FPM/FKM  
 Protection class IP67, A + B side screwed together  
 Operating voltage LED green  
 Display switch state LED yellow/yellow  
 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 4+PE pins  
 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 1 m  
 Cable quality PUR  
 Cable color Black  
 Core insulation PP  
 Core colors BN, WH, BU, BK, GNYE  
 Core cross-section 5x0.34mm<sup>2</sup>  
 Arrangement of strands 42x0.1 mm

**Electrical features at +20 °C**  
 Current 4 A  
 Rated voltage 30 V  
 Insulation resistance > 30.5 MΩ/km  
 Test voltage 2000 V  
 Forward resistance max. 57 Ω/km

**Cable Cross-section**



**General information**

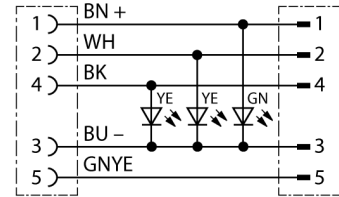
Drawing depicts design version including hexagon coupling nut (Production date after CW11/2016).

**Circuit Diagram**

**Weld-Splatter Resistant Actuator and Sensor Cable  
extension cable  
WKC5T-P7X3-1-RSC5T/TXL1001**

**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...+105°C
In motion	-30...+90°C




**Weld-Splatter Resistant Actuator and Sensor Cable  
extension cable  
WKC5T-P7X3-1-RSC5T/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	