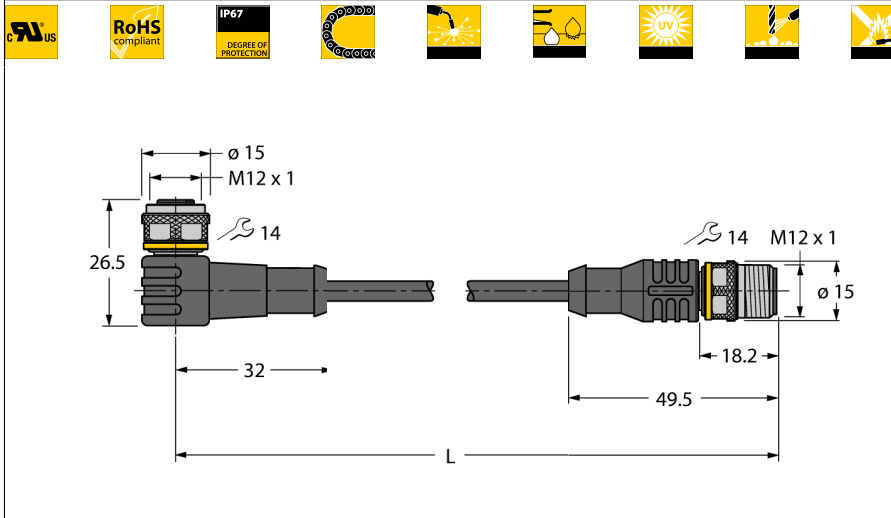


**Actuator/Sensor cable, PUR extension cable**  
**WKC4.5T-1,5-RSC4.5T/TXY3013**



- Female M12, angled, 5-pin
- Male M12, straight, 5-pin
- Sheath material: PUR
- Sheath color: yellow
- Grip color: yellow
- Qualified for drag chain use
- Resistant to weld splatter
- Resistant to chemicals, UV radiation and oils
- Flame retardant
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- Approval: cULus
- RoHS-compliant
- Protection class IP67
- Cable length: 1.5 m

**Type code** WKC4.5T-1,5-RSC4.5T/TXY3013  
**Ident no.** 6630944

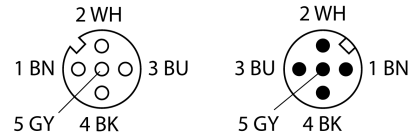
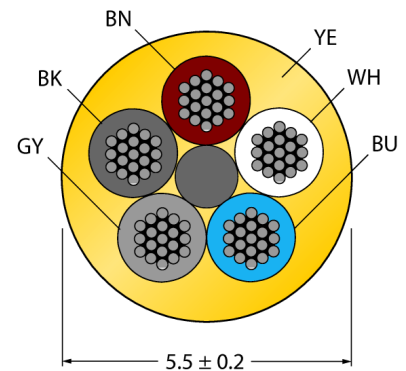
**Connector A side**  
 Number of Pins Female, M12 x 1, angled  
 5  
 Contacts brass, CuZn, gold-plated  
 Contact carriers plastic, TPU, black  
 Grip Plastic, TPU, yellow  
 Coupling nut/screw brass, CuZn, nickel-plated  
 Seal plastic, FPM/FKM  
 Protection class IP67, A + B side screwed together  
 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 male connector, M12 x 1, straight  
 5 pins  
 Contacts brass, CuZn, gold-plated  
 Contact carriers plastic, TPU, black  
 Grip plastic, TPU, yellow  
 Coupling nut/screw brass, 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. torque of counter piece!)

**General data**  
 Cable diameter 5.5 +/-0.20mm  
 Cable length 1.5 m  
 Cable Jacket Material PUR  
 Cable Jacket Color yellow  
 Core insulation PP  
 Core colors BN, WH, BU, BK, GY  
 Core cross-section 5x0.34mm<sup>2</sup>  
 Arrangement of strands 42x0.1 mm

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

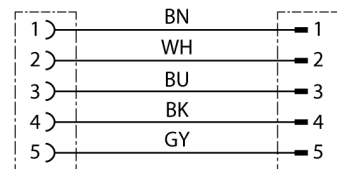
**Cable Cross-section**



**General information**

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

**Circuit diagram**



**Actuator/Sensor cable, PUR  
extension cable  
WKC4.5T-1,5-RSC4.5T/TXY3013**

**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.
Bending radius (stationary laying)	> 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	
Stationary	-50 ... 80°C
In motion	-25 ... 80°C
Drag chain operation	-25 ... 60°C