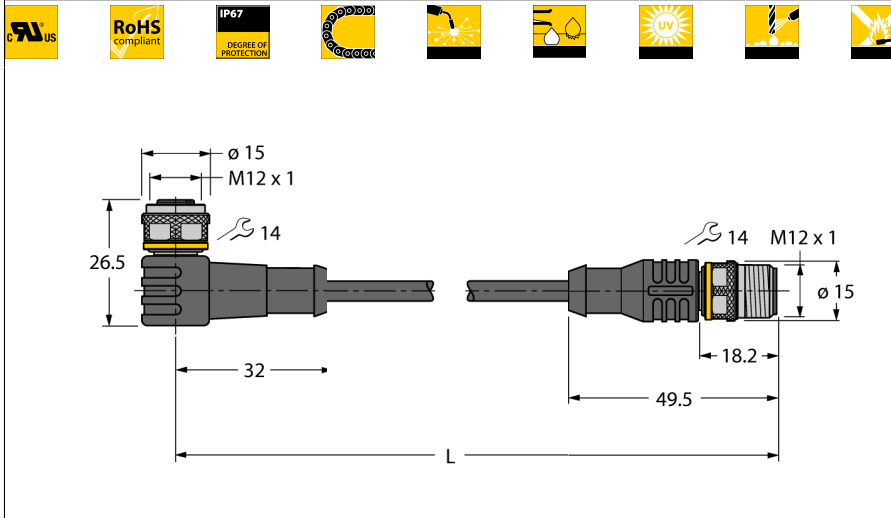


Actuator/Sensor cable, PUR extension cable WKC4.5T-10-RSC4.5T/TXY3013

TURCK

Industrial
Automation



- 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: 10 m

Type code WKC4.5T-10-RSC4.5T/TXY3013
Ident no. 6630947

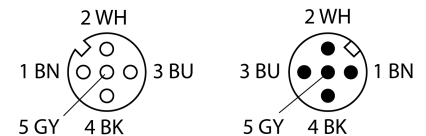
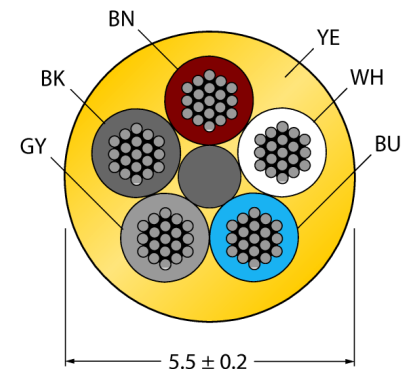
Connector A side
Number of Pins 5
Contacts brass, CuZn, gold-plated
Contact carriers plastic, TPU, black
Grip Plastic, TPU, yellow
Coupling nut/screw brass, CuZn, nickel-plated
Seal plastic, FPM/FKM
Protection class IP67, A + B side screwed together
Mechanical lifespan > 100 mating cycles
Pollution degree 3
Tightening torque 0.8 ... 1 Nm
(observe max. torque of counter piece!)

Connector B side
Number of pins 5
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 10 m
Cable Jacket Material PUR
Cable Jacket Color yellow
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
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-10-RSC4.5T/TXY3013**

TURCK

Industrial
Automation

Mechanical and chemical properties

Max. tensile strength (static)	≤ 50 N/mm ²
Max. tensile strength (dynamic)	≤ 20 N/mm ²
Bending cycles	> 5 mil.
Bending radius (stationary laying)	> 5 x Ø
Bending radius (flexible use)	> 10 x Ø
Admissible acceleration	max. 5 m/s ²
Admissible travel path, horizontal	5 m (at 5 m/s ²)
Admissible travel path, vertical	2 m (at 5 m/s ²)
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