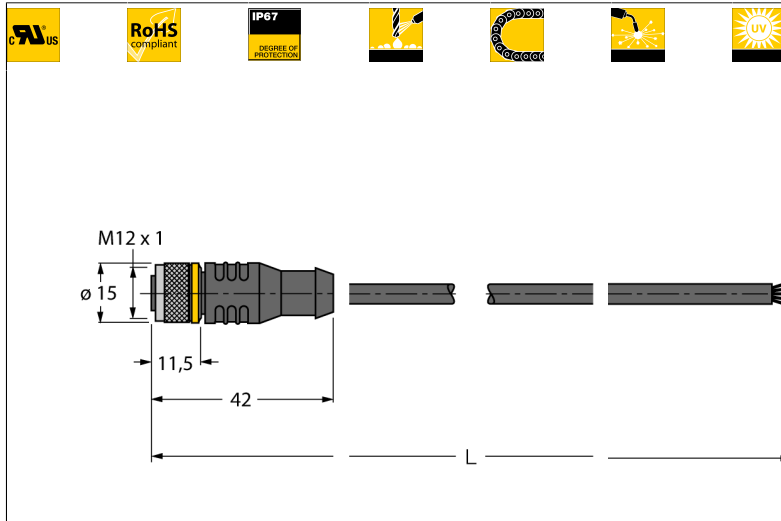


**Actuator/sensor cable, PUR  
connection cable  
RKC4.5T-5/TXL**

**TURCK**

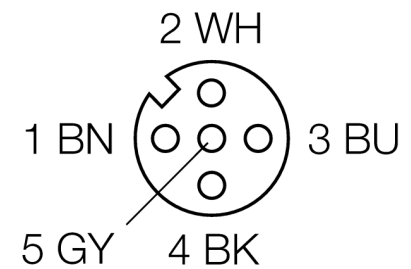
Industrial  
Automation



- Female M12, straight, 5-pin
- Sheath material: PUR
- Sheath color: black
- Qualified for drag chain use
- Weld-splatter resistant
- Resistant to chemicals, UV radiation and oils
- Flame retardant
- Free from halogen, silicone, PVC and LABS
- Approval: cULus
- RoHS conform
- Protection class IP67
- Cable length: 5.0 m

**Type** RKC4.5T-5/TXL  
**Ident-No.** 6625507

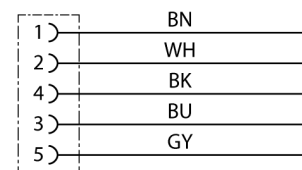
**Pin assignment**



Connector A side	
Number of pins	female connector, M12 x 1, straight 5
Contacts	metal, CuZn, gold-plated
Contact carriers	plastic, TPU, black
Grip	plastic, TPU, black
Coupling nut/screw	metal, 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. value of counter piece!)

General data	
Cable diameter	Ø 5.5 mm +/-0.20
Cable length	5 m
Sheath color	PUR (black)
Core insulation (colors)	PP (BN, WH, BU, BK, GY)
Core cross-section	5x0.34mm <sup>2</sup>
Litz wire arrangement	42x0.1 mm

**circuit diagram**



Electrical features at +20 °C	
Rated current	4 A
Rated voltage [U <sub>max</sub> ]	60 V
Insulation resistance	> 1 GΩ x km
Test voltage	2000 V
Forward resistance	max. 57.5 Ω/km

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.
Static Bending Radius	> 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 at rest	-50 ... 80 °C
In moving state	-25 ... 80 °C
drag chain operation	-25 ... 60 °C