

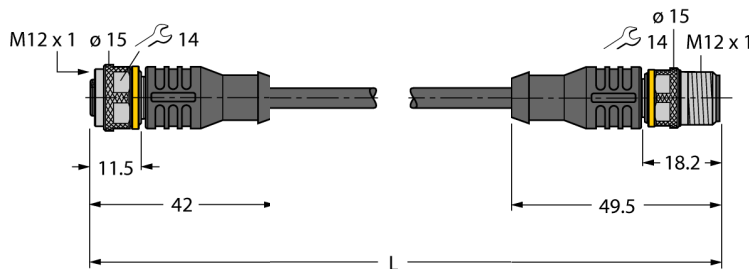
Actuator/Sensor cable, PUR extension cable RKC5T-5-RSC5T/TXG

TURCK

Industrial
Automation



- Female M12, straight, 4-pin + PE
- Male M12, straight, 4-pin + PE
- Sheath material: PUR
- Sheath color: grey
- 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 conform
- Protection class IP67
- Cable length: 5.0 m



Type designation
Ident no.

RKC5T-5-RSC5T/TXG
6629716

Connector A side

Number of pins
Contacts
Contact carriers
Grip
Coupling nut/screw
Seal
Protection class
Mechanical lifespan
Pollution degree
Tightening torque

Female connector, M12 1, Straight
4+PE
Brass, CuZn, Gold-plated
Plastic, TPU, Black
Plastic, TPU, Black
Brass, CuZn, Nickel-plated
Plastic, FPM/FKM
IP67, A + B side screwed together
> 100 Mating cycles
3
0.8 ... 1 Nm
(observe max. torque of counter piece!)

Connector B side

Number of pins
Contacts
Contact carriers
Grip
Coupling nut/screw
Protection class
Mechanical lifespan
Pollution degree
Tightening torque

Connector, M12 x 1, Straight
4+PE pins
brass, CuZn, Gold-plated
Plastic, TPU, Black
plastic, TPU, black
Brass, CuZn, Nickel-plated
IP67, only in screwed state
> 100 Mating cycles
3
0.8 ... 1 Nm
(observe max. torque of counter piece!)

General data

Cable diameter
Cable length
Cable quality
Cable color
Core insulation
Core colors
Core cross-section
Arrangement of strands

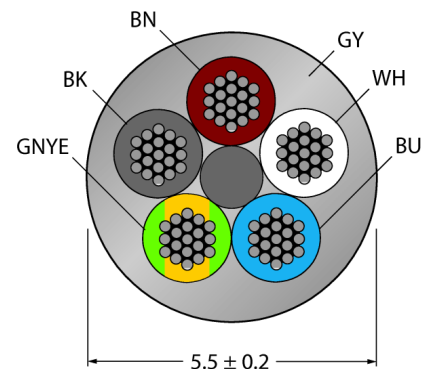
5.5 ± 0.20mm
5 m
PUR
Gray
PP
BN, WH, BU, BK, GNYE
5x0.34mm²
42x0.1 mm

Electrical features at +20 °C

Current
Rated voltage
Insulation resistance
Test voltage
Forward resistance

4 A
60 V
> 30.5 MΩ/km
2000 V
max. 57 Ω/km

Cable Cross-section



General information

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

Circuit Diagram



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Mechanical and chemical properties

Max. tensile strength (static)	$\leq 50 \text{ N/mm}^2$
Max. tensile strength (dynamic)	$\leq 20 \text{ N/mm}^2$
Bending cycles	$> 5 \text{ mil.}$
Bending radius (stationary laying)	$> 5 \times \varnothing$
Bending radius (flexible use)	$> 10 \times \varnothing$
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	$\pm 180^\circ/\text{m}$
Ambient temperature	
Stationary	$-50 \dots +80^\circ\text{C}$
In motion	$-25 \dots +80^\circ\text{C}$
Drag chain operation	$-25 \dots +60^\circ\text{C}$

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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-CORDSETS-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	