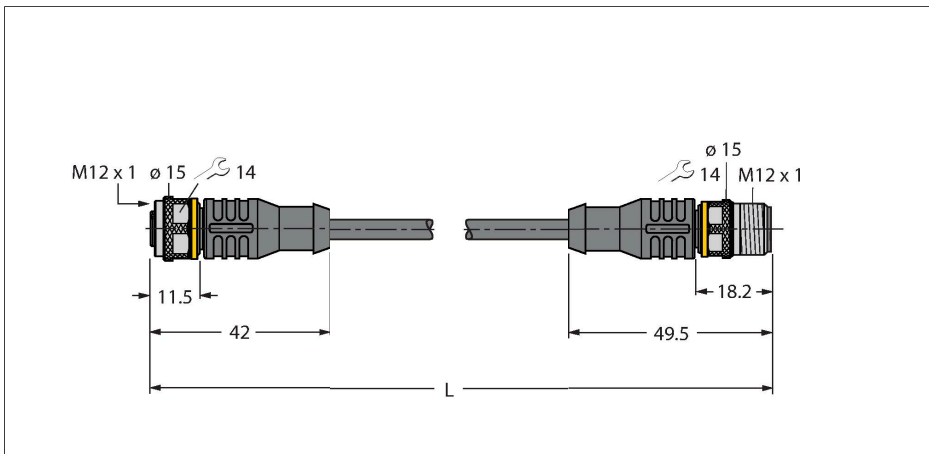


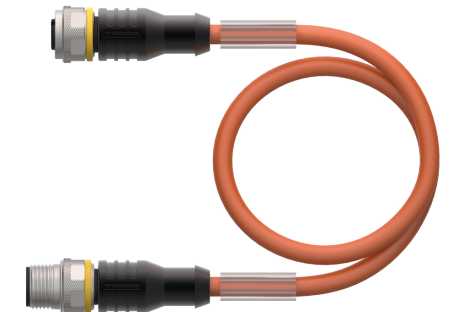
RKC5T-2.5-RSC5T/TXO

Actuator and Sensor Cable, PUR – Extension Cable



Technical data

Type	RKC5T-2.5-RSC5T/TXO
Ident. no.	6628571
Connector A	Female, M12 × 1, Straight
Number of pins	4+PE
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Black
Coupling nut/screw	Brass, CuZn, Nickel-plated
Seal	Plastic, FPM/FKM
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3
Protection class	IP67, Only in screwed condition
Tightening torque (range)	0.8 ... 1 Nm (observe max. torque of mating connector!)
Connector B	Male, M12 × 1, Straight
Number of pins	4+PE
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Black
Coupling nut/retaining screw	Brass, CuZn, Nickel-plated
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3
Protection class	IP67, only in screwed state
Tightening torque	0.8 ... 1 Nm (observe max. torque of mating connector!)
Cable diameter	Ø 5.5 mm ± 0.20
Cable length	2.5 m
Cable jacket	PUR, Orange

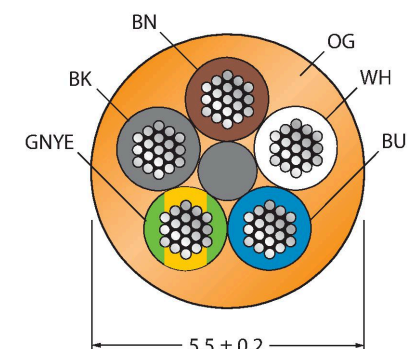


Features



- Female M12, straight, 4-pin + PE
- Male M12, straight, 4-pin + PE
- Jacket material: PUR
- Jacket color: orange
- Suitable for drag chain use
- Resistant to welding sparks
- Resistant to chemicals, UV radiation and oils
- Flame-retardant (FT2 in accordance with UL 1581, IEC 60332-2-2)
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- Approval: cULus
- RoHS-compliant
- Protection class IP67
- Cable length: 2.5 m

Cable Cross-Section



Technical data

Core insulation	PP
Core cross-section	5 x 0.34 mm ²
Arrangement of strands	42 x 0.1 mm
Core colors	BN, WH, BU, BK, GNYE
Electrical properties at +20 °C	
Rated voltage	60 V
Test voltage	2000 V
Current	4 A
Insulation resistance	> 30.5 MΩ/km
forward resistance	max. 57 Ω/km
Mechanical and chemical properties	
Bending radius (stationary installation)	≥ 5 x Ø
Bending radius (flexible use)	≥ 10 x Ø
Bending cycles	≥ 5 million
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
Stationary	-50 °C...+80 °C
In motion	-25 °C...+80 °C
Drag chain operation	-25 °C...+60 °C

Mounting accessories

TORQUE-WRENCH-SET-AS

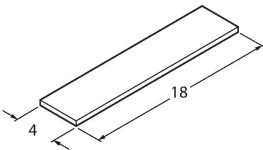
6936170



Torque wrench set; handles with adjustable torque 0.4-1.0 Nm, torque wrench for M8 (SW9), fork wrench for M12 (SW 14)

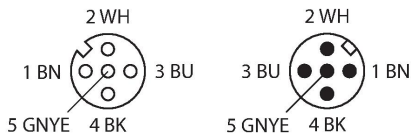
BLANK-LABEL-FOR-CORDSETS-TEL-TXL

6936206



Label for TEL and TXL cables, length: 18 mm, height: 4 mm, material: polycarbonate (PC), color: white, halogen-free and flame-retardant

Contact assignment



Functional principle

Drawing shows design status including hexagon coupling nut (Production start CW11/2016).

Diagram

