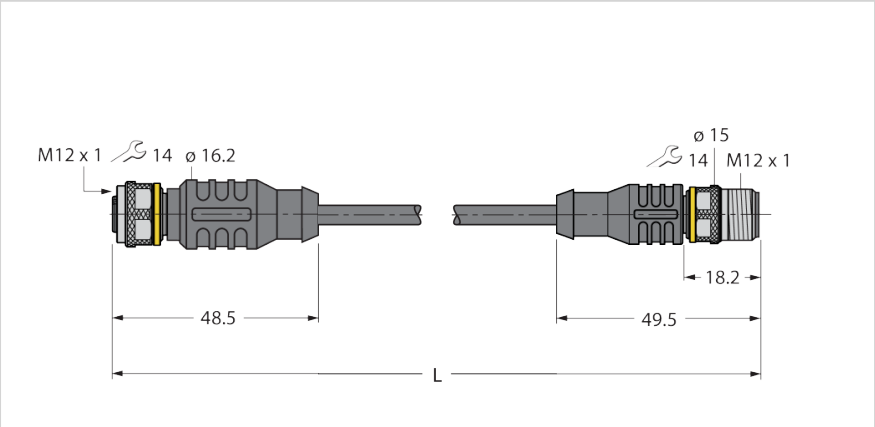
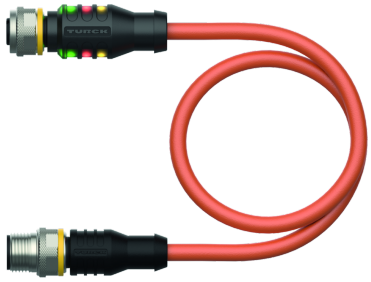
RKC4.4T-P7X3.1-0.6-RSC4.4T/TXO

Actuator and Sensor Cable, PUR
Extension Cable





Type designation	RKC4.4T-P7X3.1-0.6-RSC4.4T/TXO
Ident-No.	100000155

Technical data

General data	
Special features	Suitable for drag chain use
Electrical data	
Current	4 A
Rated voltage	30 V_{DC}
forward resistance	max.57 Ω/km
Insulation resistance	>30,5 MΩ/km
Test voltage	2000 V
Mechanical data	
Bending radius (stationary installation)	≥5 x Ø
Bending radius (flexible use)	≥10 x Ø
Bending cycles	≥5 Mio.
Admissible acceleration	max. 5 m/s²
Admissible travel path, horizontal	5 m (at 5 ;m/s²)
Admissible travel path, vertical	2 m (at 5 m/s²)
Admissible traversing speed	3,3 m/s
Torsional stress	±180 °/m
Connector A	

Features

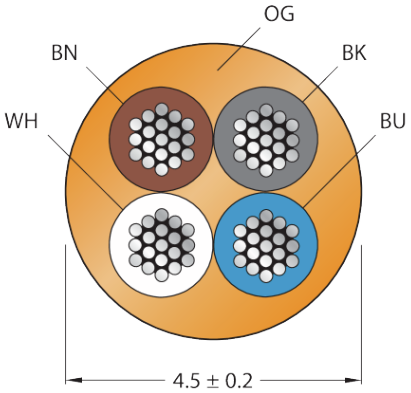
- M12 female connector, straight, 4-pin
- With 3-color LED (PNP, red, yellow, green), all-round visibility
- Male M12, straight, 4-pin
- Jacket material: PUR
- Jacket color: orange
- Suitable for drag chain use
- Resistant to chemicals, UV radiation and oils
- Flame retardant (FT2 acc. to UL 1581, IEC 60332-2-2)
- Resistant to welding sparks
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- Protection class: IP67, IP69K
- Cable length: 0.6 m

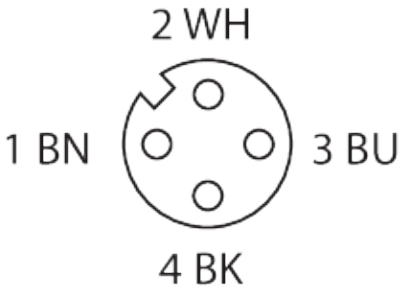
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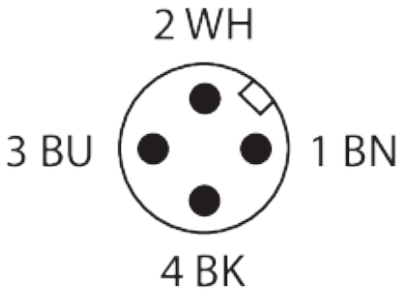
Technical data

Mechanical lifespan	> 100 Mating cycles
Connector A	Female, M12 x 1, Straight, A-coded
Number of Pins	4
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Translucent
Coupling nut/screw	Brass, CuZn, Nickel-plated
Seal	Plastic, FPM/FKM
LED display	triple LED
Display operating voltage	LED, Green
Display switch state	LED, Yellow/red
Search/warning signal indicator	LED, Yellow/red
Pollution degree	3
Protection class	IP67, IP69K, Only in screwed condition
Connector B	
Mechanical lifespan	> 100 Mating cycles
Connector B	Male, M12 x 1, Straight, A-coded
Number of pins	4
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Black
Coupling nut/retaining screw	Brass, CuZn, Nickel-plated
Pollution degree	3
Protection class	IP67, IP69K, Only when screwed together
Cable	
Cable diameter	4,5 mm ±0.20
Cable length	0,6 m
Cable jacket	PUR, Orange
Core insulation	PP
Core cross-section	4 x 0,34 mm²
Arrangement of strands	42 x 0,1 mm
Core colors	BN, WH, BU, BK
Ambient conditions	
Ambient temperature (mobile)	-25...+80 °C
Ambient temperature (fixed)	-50...+80 °C
Ambient temperature (drag chain)	-25...+60 °C
Tests/approvals	

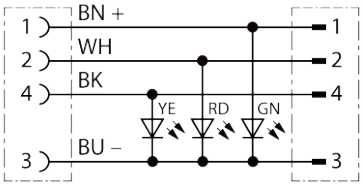
Cable Cross-Section







Circuit Diagram



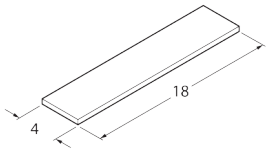
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Technical data

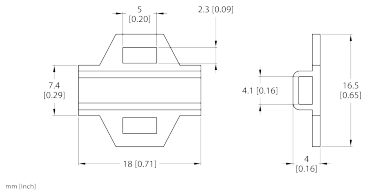
Approvals	cULus
Comments	
Packaging unit	1

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

Connection accessories

LABEL-HOLDER-FLEX-PVC	**100048170**
	PVC label holder for identification of extension cables (TEL/TXL product series); for cable diameters: min. 5 mm; dimensions 4 × 18 mm; delivery unit: 50 pcs. per package

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