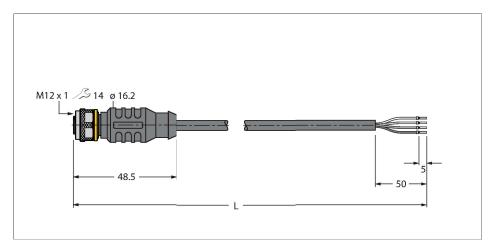
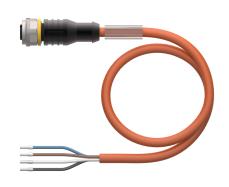
RKC4.4T-P7X2-15/TXO | 12-11-2023 16-36 | Technical modifications reserved

RKC4.4T-P7X2-15/TXO Actuator and Sensor Cable, PUR – Connection Cable





Technical data

ID 6635999 Connector A Female, M12 × 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 dual LED Display operating voltage LED, Green Display switch state LED, Yellow Mechanical lifespan > 100 Mating cycles Pollution degree 3 Protection class IP67, IP69K, Only in screwed condition Cable Cable diameter Ø 4.5 mm ±0.20 Cable length 15 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 Electrical properties at +20 °C Rated voltage 30 V₀c Test voltage 2000 ∨ Current 4 A	Туре	RKC4.4T-P7X2-15/TXO	
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Connector body Plastic, TPU, Translucent Coupling nut/screw Brass, CuZn, Nickel-plated Seal Plastic, FPM/FKM LED display dual LED Display operating voltage LED, Green Display switch state LED, Yellow Mechanical lifespan > 100 Mating cycles Pollution degree 3 Protection class IP67, IP69K, Only in screwed condition Cable Cable diameter Ø 4.5 mm ±0.20 Cable length 15 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 Electrical properties at +20 °C Rated voltage 30 V₀c Test voltage 2000 V	Contacts	Brass, CuZn, Gold-plated	
Coupling nut/screw Brass, CuZn, Nickel-plated Seal Plastic, FPM/FKM LED display dual LED Display operating voltage LED, Green Display switch state LED, Yellow Mechanical lifespan > 100 Mating cycles Pollution degree 3 Protection class IP67, IP69K, Only in screwed condition Cable Cable diameter Cable length 15 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 Electrical properties at +20 °C Rated voltage 30 V _{DC} Test voltage 2000 V	Contact carriers	Plastic, TPU, Black	
Seal Plastic, FPM/FKM LED display dual LED Display operating voltage LED, Green Display switch state LED, Yellow Mechanical lifespan > 100 Mating cycles Pollution degree 3 Protection class IP67, IP69K, Only in screwed condition Cable Cable diameter Cable length 15 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 Electrical properties at +20 °C Rated voltage 30 V _{pc} Test voltage 2000 V	Connector body	Plastic, TPU, Translucent	
LED display dual LED Display operating voltage LED, Green Display switch state LED, Yellow Mechanical lifespan > 100 Mating cycles Pollution degree 3 Protection class IP67, IP69K, Only in screwed condition Cable Cable diameter Ø 4.5 mm ±0.20 Cable length 15 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 Electrical properties at +20 °C Rated voltage 30 V₂c Test voltage 2000 V	Coupling nut/screw	Brass, CuZn, Nickel-plated	
Display operating voltage Display switch state LED, Yellow Mechanical lifespan > 100 Mating cycles Pollution degree 3 Protection class IP67, IP69K, Only in screwed condition Cable Cable diameter Ø 4.5 mm ±0.20 Cable length 15 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 Electrical properties at +20 °C Rated voltage 30 V _{DC} Test voltage	Seal	Plastic, FPM/FKM	
Display switch state LED, Yellow Mechanical lifespan > 100 Mating cycles Pollution degree 3 Protection class IP67, IP69K, Only in screwed condition Cable Cable diameter Cable length 15 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 Electrical properties at +20 °C Rated voltage 30 V _{DC} Test voltage 2000 V	LED display	dual LED	
Mechanical lifespan > 100 Mating cycles Pollution degree 3 Protection class IP67, IP69K, Only in screwed condition Cable Cable diameter Cable diameter Ø 4.5 mm ±0.20 Cable length 15 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 Electrical properties at +20 °C Rated voltage 30 V _{DC} Test voltage 2000 V	Display operating voltage	LED, Green	
Pollution degree 3 Protection class IP67, IP69K, Only in screwed condition Cable Cable diameter Ø 4.5 mm ±0.20 Cable length 15 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 Electrical properties at +20 °C Rated voltage 30 V _{DC} Test voltage 2000 V	Display switch state	LED, Yellow	
Protection class IP67, IP69K, Only in screwed condition Cable Cable diameter Ø 4.5 mm ±0.20 Cable length 15 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 Electrical properties at +20 °C Rated voltage 30 V _{DC} Test voltage	Mechanical lifespan	> 100 Mating cycles	
Cable Cable diameter Ø 4.5 mm ±0.20 Cable length 15 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 Electrical properties at +20 °C Rated voltage 30 V _{DC} Test voltage 2000 V	Pollution degree	3	
Cable diameter Ø 4.5 mm ±0.20 Cable length 15 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 Electrical properties at +20 °C Rated voltage 30 V₂c Test voltage 2000 V	Protection class	IP67, IP69K, Only in screwed condition	
Cable length Cable jacket PUR, Orange Core insulation PP Core cross-section Arrangement of strands Core colors BN, WH, BU, BK Electrical properties at +20 °C Rated voltage 30 V _{DC} Test voltage 2000 V	Cable		
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 Electrical properties at +20 °C Rated voltage 30 V _{DC} Test voltage 2000 V	Cable diameter	Ø 4.5 mm ±0.20	
Core insulationPPCore cross-section $4 \times 0.34 \text{ mm}^2$ Arrangement of strands $42 \times 0.1 \text{ mm}$ Core colorsBN, WH, BU, BKElectrical properties at +20 °CRated voltage 30 V_{DC} Test voltage 2000 V	Cable length	15 m	
Core cross-section 4 x 0.34 mm² Arrangement of strands 42 x 0.1 mm Core colors BN, WH, BU, BK Electrical properties at +20 °C Rated voltage 30 V _{DC} Test voltage 2000 V	Cable jacket	PUR, Orange	
Arrangement of strands 42 x 0.1 mm Core colors BN, WH, BU, BK Electrical properties at +20 °C Rated voltage 30 V _{DC} Test voltage 2000 V	Core insulation	PP	
Core colors BN, WH, BU, BK Electrical properties at +20 °C Rated voltage 30 V _{DC} Test voltage 2000 V	Core cross-section	4 x 0.34 mm²	
Electrical properties at +20 °C Rated voltage 30 V _{DC} Test voltage 2000 V	Arrangement of strands	42 x 0.1 mm	
Rated voltage 30 V _{pc} Test voltage 2000 V	Core colors	BN, WH, BU, BK	
Test voltage 2000 V	Electrical properties at +20 °C		
	Rated voltage	30 V _{DC}	
Current 4 A	Test voltage	2000 V	
	Current	4 A	

Features













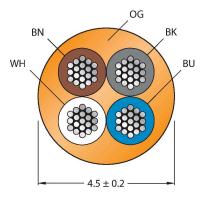






- M12 female connector, straight, 4-pin
- With 2-color LED (PNP, yellow, green), allround visibility
- ■Jacket material: PUR
- Jacket color: orange
- Suitable for drag chain use
- Resistant to chemicals, UV radiation and oils
- Flame retardant (FT2 acc. to UL 1581, IEC 60332-2-2)
- Resistant to welding sparks
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- ■Protection class: IP67, IP69K
- Cable length: 15 m

Cable Cross-Section

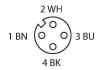


Contact assignment

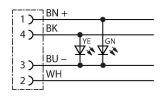


Technical data

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/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
Ambient temperature range (stationary)	-50+80 °C
Ambient temperature range (In motion)	-25+80 °C
Ambient temperature during drag chain operation	-25+60 °C



Circuit Diagram



Accessories

TORQUE-WRENCH-SET-AS

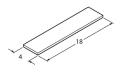
6936170

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



HAS8141-0

6905406

Field-wireable male connector, M12 × 1, straight, 4-pin, insulation piercing connection, cable feedthrough 4.0 to 5.1 mm, core cross-section/terminal capacity 0.14 to 0.34 mm², plastic housing, metal nut

HAS8241-0

6905400

Field-wireable male connector, M12 × 1, angled, 4-pin, insulation piercing connection, cable feedthrough 4.0 to 5.1 mm, core cross-section/terminal capacity 0.14 to 0.34 mm², plastic housing, metal nut

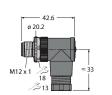


BS8141-0 69010

≈ 60.4 0 20.2 18 14 13 Field-wireable male connector, M12 × 1, straight, 4-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm², plastic housing, metal retaining screw

BS8241-0

69011



Field-wireable connector, M12 × 1, angled, 4-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm², plastic housing, metal retaining screw

FW-ERSPM0426-SA-P-0408

100002048

Field-wireable male connector, M12 × 1, straight, 4-pin, push-in connection, cable feedthrough 4.0 to 8.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm², plastic housing, metal retaining screw

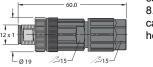
FW-ERSPM0416-SA-S-0408

-∕S13

E Ø 20

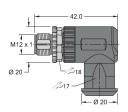
100002288

Field-wireable male connector, M12 × 1, straight, 4-pin, screw terminal connection, cable feedthrough 4.0 to 8.0 mm, core cross-section/terminal capacity 0.25 to 1.5 mm², plastic housing, metal retaining screw



FW-EWSPM0416-SA-S-0408

100002290



Field-wireable male connector, M12 × 1, angled, 4-pin, screw terminal connection, cable feedthrough 4.0 to 8.0 mm, core cross-section/terminal capacity 0.25 to 1.5 mm², plastic housing, metal retaining screw

Accessories

Dimension drawing	Туре	ID	
	LABEL-HOLDER-FLEX-PVC	100048170	PVC label holder for ident



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