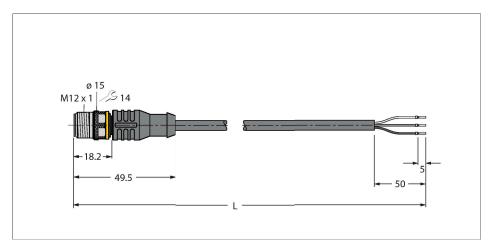


RSC4T-2/TXO3700 Actuator and Sensor Cable, PUR – Connection Cable



Technical data

ID 6632010 Connector A Male, M12 × 1, Straight, A-coded Number of Pins 3 Contacts Brass, CuZn, Gold-plated Contact carriers Plastic, TPU, Black Connector body Plastic, TPU, Black Coupling nut/screw Brass, CuZn, Nickel-plated Mechanical lifespan > 100 Mating cycles Pollution degree 3 Protection class IP67, IP69K, Only in screwed condition Cable Cable diameter Ø 6.3 mm ±0.20 Cable length 2 m Cable jacket PUR, Orange Core insulation PP Core cross-section 3 x 0.34 mm² Arrangement of strands 42 x 0.1 mm Core colors BN, BU, BK Electrical properties at +20 °C Rated voltage 250 V Test voltage 2000 V Current 4 A Insulation resistance max. 57 Ω/km Mechanical and chemical properties Bending radius (stationary installation) ≥ 5 x Ø	Туре	RSC4T-2/TXO3700		
Number of Pins 3 Contacts Brass, CuZn, Gold-plated Contact carriers Plastic, TPU, Black Connector body Plastic, TPU, Black Coupling nut/screw Brass, CuZn, Nickel-plated Mechanical lifespan > 100 Mating cycles Pollution degree 3 Protection class IP67, IP69K, Only in screwed condition Cable 2 m Cable diameter Ø 6.3 mm ±0.20 Cable length 2 m Cable jacket PUR, Orange Core insulation PP Core cross-section 3 x 0.34 mm² Arrangement of strands 42 x 0.1 mm Core colors BN, BU, BK Electrical properties at +20 °C Rated voltage 250 V Test voltage 2000 V Current 4 A Insulation resistance > 30.5 MΩ/km Mechanical and chemical properties	ID	6632010		
Contacts Brass, CuZn, Gold-plated Contact carriers Plastic, TPU, Black Connector body Plastic, TPU, Black Coupling nut/screw Brass, CuZn, Nickel-plated Mechanical lifespan > 100 Mating cycles Pollution degree 3 Protection class IP67, IP69K, Only in screwed condition Cable Cable diameter Cable length 2 m Cable jacket PUR, Orange Core insulation PP Core cross-section 3 x 0.34 mm² Arrangement of strands 42 x 0.1 mm Core colors BN, BU, BK Electrical properties at +20 °C Rated voltage 250 V Test voltage 2000 V Current 4 A Insulation resistance > 30.5 MΩ/km forward resistance max. 57 Ω/km Mechanical and chemical properties	Connector A	Male, M12 × 1, Straight, A-coded		
Contact carriers Plastic, TPU, Black Connector body Plastic, TPU, Black Coupling nut/screw Brass, CuZn, Nickel-plated Mechanical lifespan > 100 Mating cycles Pollution degree 3 Protection class IP67, IP69K, Only in screwed condition Cable Cable diameter Cable diameter Ø 6.3 mm ±0.20 Cable jacket PUR, Orange Core insulation PP Core cross-section 3 x 0.34 mm² Arrangement of strands 42 x 0.1 mm Core colors BN, BU, BK Electrical properties at +20 °C Rated voltage Test voltage 250 V Test voltage 2000 V Current 4 A Insulation resistance > 30.5 MΩ/km forward resistance max. 57 Ω/km Mechanical and chemical properties	Number of Pins	3		
Connector body Plastic, TPU, Black Coupling nut/screw Brass, CuZn, Nickel-plated Mechanical lifespan > 100 Mating cycles Pollution degree 3 Protection class IP67, IP69K, Only in screwed condition Cable Cable diameter Cable length 2 m Cable jacket PUR, Orange Core insulation PP Core cross-section 3 x 0.34 mm² Arrangement of strands 42 x 0.1 mm Core colors BN, BU, BK Electrical properties at +20 °C Rated voltage Test voltage 250 V Test voltage 2000 V Current 4 A Insulation resistance > 30.5 MΩ/km forward resistance max. 57 Ω/km Mechanical and chemical properties	Contacts	Brass, CuZn, Gold-plated		
Coupling nut/screw Brass, CuZn, Nickel-plated Mechanical lifespan > 100 Mating cycles Pollution degree 3 Protection class IP67, IP69K, Only in screwed condition Cable Cable diameter Cable length 2 m Cable jacket PUR, Orange Core insulation PP Core cross-section 3 x 0.34 mm² Arrangement of strands 42 x 0.1 mm Core colors BN, BU, BK Electrical properties at +20 °C Rated voltage 250 V Test voltage 2000 V Current 4 A Insulation resistance > 30.5 MΩ/km forward resistance max. 57 Ω/km Mechanical and chemical properties	Contact carriers	Plastic, TPU, Black		
Mechanical lifespan > 100 Mating cycles Pollution degree 3 Protection class IP67, IP69K, Only in screwed condition Cable Cable diameter Ø 6.3 mm ±0.20 Cable length 2 m Cable jacket PUR, Orange Core insulation PP Core cross-section 3 x 0.34 mm² Arrangement of strands 42 x 0.1 mm Core colors BN, BU, BK Electrical properties at +20 °C Rated voltage 250 V Test voltage 2000 V Current 4 A Insulation resistance > 30.5 MΩ/km forward resistance max. 57 Ω/km Mechanical and chemical properties	Connector body	Plastic, TPU, Black		
Pollution degree 3 Protection class IP67, IP69K, Only in screwed condition Cable Cable diameter Ø 6.3 mm \pm 0.20 Cable length 2 m Cable jacket PUR, Orange Core insulation PP Core cross-section 3 x 0.34 mm² Arrangement of strands 42 x 0.1 mm Core colors BN, BU, BK Electrical properties at \pm 20 °C Rated voltage 250 V Test voltage 2000 V Current 4 A Insulation resistance \Rightarrow 30.5 M Ω /km forward resistance max. 57 Ω /km Mechanical and chemical properties	Coupling nut/screw	Brass, CuZn, Nickel-plated		
Protection class IP67, IP69K, Only in screwed condition Cable Cable diameter \emptyset 6.3 mm ±0.20 Cable length 2 m Cable jacket PUR, Orange Core insulation PP Core cross-section $3 \times 0.34 \text{ mm}^2$ Arrangement of strands $42 \times 0.1 \text{ mm}$ Core colors BN, BU, BK Electrical properties at +20 °C Rated voltage 250 V Test voltage 2000 V Current 4 A Insulation resistance $50.5 \text{ M}\Omega/\text{km}$ forward resistance $50.5 \text{ M}\Omega/\text{km}$ Mechanical and chemical properties	Mechanical lifespan	> 100 Mating cycles		
Cable diameter \emptyset 6.3 mm ±0.20 Cable length 2 m Cable jacket PUR, Orange Core insulation PP Core cross-section 3 x 0.34 mm² Arrangement of strands 42 x 0.1 mm Core colors BN, BU, BK Electrical properties at +20 °C Rated voltage 250 V Test voltage 2000 V Current 4 A Insulation resistance \Rightarrow 30.5 M Ω /km forward resistance max. 57 Ω /km	Pollution degree	3		
Cable diameterØ 6.3 mm ± 0.20 Cable length2 mCable jacketPUR, OrangeCore insulationPPCore cross-section $3 \times 0.34 \text{ mm}^2$ Arrangement of strands $42 \times 0.1 \text{ mm}$ Core colorsBN, BU, BKElectrical properties at +20 °CRated voltage 250 V Test voltage 2000 V Current 4 A Insulation resistance> $30.5 \text{ M}\Omega/\text{km}$ forward resistancemax. $57 \Omega/\text{km}$ Mechanical and chemical properties	Protection class	IP67, IP69K, Only in screwed condition		
Cable length 2 m Cable jacket PUR, Orange Core insulation PP Core cross-section 3 x 0.34 mm² Arrangement of strands 42 x 0.1 mm Core colors BN, BU, BK Electrical properties at +20 °C Rated voltage 250 V Test voltage 2000 V Current 4 A Insulation resistance > 30.5 MΩ/km forward resistance max. 57 Ω/km Mechanical and chemical properties	Cable			
Cable jacketPUR, OrangeCore insulationPPCore cross-section $3 \times 0.34 \text{ mm}^2$ Arrangement of strands $42 \times 0.1 \text{ mm}$ Core colorsBN, BU, BKElectrical properties at +20 °CRated voltage 250 V Test voltage 2000 V Current 4 A Insulation resistance $> 30.5 \text{ M}\Omega/\text{km}$ forward resistance $max. 57 \Omega/\text{km}$ Mechanical and chemical properties	Cable diameter	Ø 6.3 mm ±0.20		
Core insulation PP Core cross-section $3 \times 0.34 \text{ mm}^2$ Arrangement of strands $42 \times 0.1 \text{ mm}$ Core colors BN, BU, BK Electrical properties at +20 °C Rated voltage 250 V Test voltage 2000 V Current 4 A Insulation resistance > $30.5 \text{ M}\Omega/\text{km}$ forward resistance max. $57 \Omega/\text{km}$ Mechanical and chemical properties	Cable length	2 m		
Core cross-section $3 \times 0.34 \text{ mm}^2$ Arrangement of strands $42 \times 0.1 \text{ mm}$ Core colors BN, BU, BK Electrical properties at +20 °C Rated voltage 250 V Test voltage 2000 V Current 4 A Insulation resistance > $30.5 \text{ M}\Omega/\text{km}$ forward resistance max. $57 \Omega/\text{km}$ Mechanical and chemical properties	Cable jacket	PUR, Orange		
Arrangement of strands $42 \times 0.1 \text{ mm}$ Core colors BN, BU, BK Electrical properties at +20 °C Rated voltage 250 V Test voltage 2000 V Current 4 A Insulation resistance $> 30.5 \text{ M}\Omega/\text{km}$ forward resistance $\text{max. } 57 \Omega/\text{km}$ Mechanical and chemical properties	Core insulation	PP		
Core colors BN, BU, BK Electrical properties at +20 °C Rated voltage 250 V Test voltage 2000 V Current 4 A Insulation resistance > 30.5 M Ω /km forward resistance max. 57 Ω /km	Core cross-section	3 x 0.34 mm²		
Electrical properties at +20 °C Rated voltage 250 V Test voltage 2000 V Current 4 A Insulation resistance > $30.5 \text{ M}\Omega/\text{km}$ forward resistance max. $57 \Omega/\text{km}$	Arrangement of strands	42 x 0.1 mm		
Rated voltage 250 V Test voltage 2000 V Current 4 A Insulation resistance $> 30.5 \text{ M}\Omega/\text{km}$ forward resistance $\max. 57 \Omega/\text{km}$ Mechanical and chemical properties	Core colors	BN, BU, BK		
Test voltage 2000 V Current 4 A Insulation resistance > 30.5 M Ω /km forward resistance max. 57 Ω /km Mechanical and chemical properties	Electrical properties at +20 °C			
Current 4 A Insulation resistance > $30.5 \text{ M}\Omega/\text{km}$ forward resistance max. $57 \Omega/\text{km}$ Mechanical and chemical properties	Rated voltage	250 V		
Insulation resistance > $30.5 \text{ M}\Omega/\text{km}$ forward resistance max. $57 \Omega/\text{km}$ Mechanical and chemical properties	Test voltage	2000 V		
forward resistance max. 57 Ω/km Mechanical and chemical properties	Current	4 A		
Mechanical and chemical properties	Insulation resistance	> 30.5 MΩ/km		
· ·	forward resistance	max. 57 Ω/km		
Bending radius (stationary installation) ≥ 5 x Ø	Mechanical and chemical properties			
	Bending radius (stationary installation)	≥ 5 x Ø		

Features















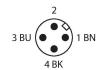






- Male M12, straight, 3-pin
- ■Jacket material: PUR
- ■Jacket color: orange
- Suitable for drag chain use
- Resistant to welding sparks
- Resistant to chemicals, UV radiation and
- Flame retardant (FT2 acc. to UL 1581, IEC 60332-2-2)
- ■Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- Protection class: IP67, IP69K
- Cable length: 2.0 m

Contact assignment



Circuit Diagram





Technical data

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
Approvals	cULus

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)

HA8141-0

6905407

Field-wireable female 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

HA8241-0

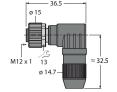
6905401

Field-wireable female 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

B8141-0

69049

Field-wireable female 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, plastic nut



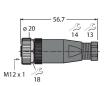
B8241-0 69048

Field-wireable female 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, plastic nut

BM8141-0

M12 x 1

6935145



Field-wireable female connector, M12 × 1, straight, 4-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.25 to 0.75 mm², plastic housing, metal nut

Field-wireable female connector, M12 × 1, angled, 4-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.25 to 0.75 mm², plastic housing, metal nut

Accessories

Dimension drawing	Туре	ID	
	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