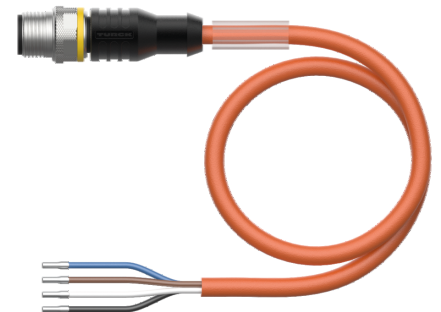
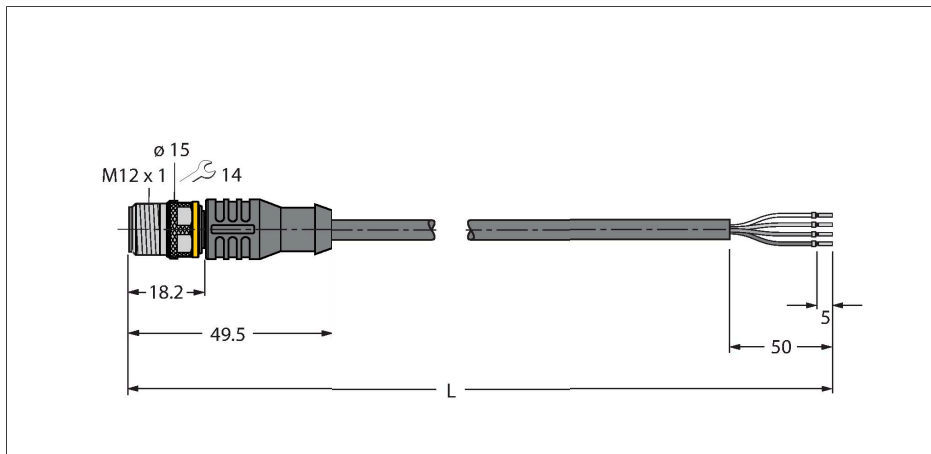


RSC4.4T-2.5/TXO3700

Actuator and Sensor Cable, PUR – Connection Cable



Technical data

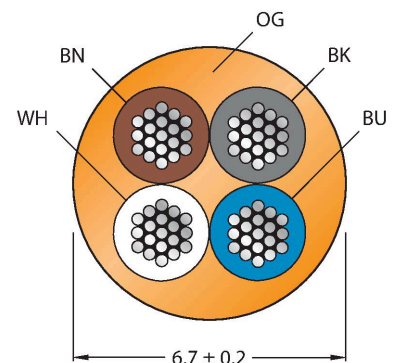
Type	RSC4.4T-2.5/TXO3700
ID	6633450
Connector A	Male, M12 × 1, Straight, A-coded
Number of pins	4
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Black
Coupling nut/screw	Brass, CuZn, Nickel-plated
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3
Protection class	IP67, IP69K, Only in screwed condition
Cable	
Cable diameter	Ø 6.7 mm ±0.20
Cable length	2.5 m
Cable jacket	PUR, Orange
Core insulation	PP
Core cross-section	4 x 0.34 mm ²
Arrangement of strands	42 x 0.1 mm
Core colors	BN, WH, 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	
Bending radius (stationary installation)	≥ 5 x Ø

Features



- Male M12, straight, 4-pin
- 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 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: 2.5 m

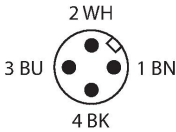
Cable Cross-Section



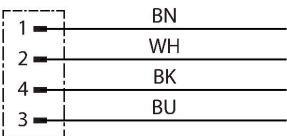
Contact assignment

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 (fixed)	-50...+80 °C
Ambient temperature (mobile)	-25...+80 °C
Ambient temperature (drag chain)	-25...+60 °C
Approvals	cULus



Circuit Diagram



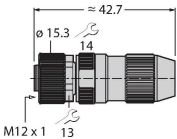
Accessories

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)

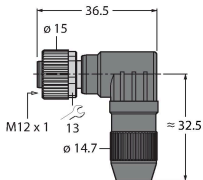
HA8141-0 6905407

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



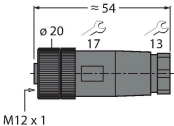
HA8241-0 6905401

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



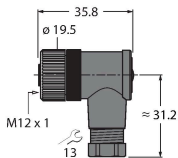
B8141-0 69049

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 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

