RSC4.4T-2/TXO3701
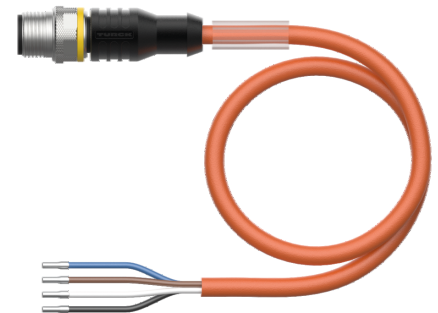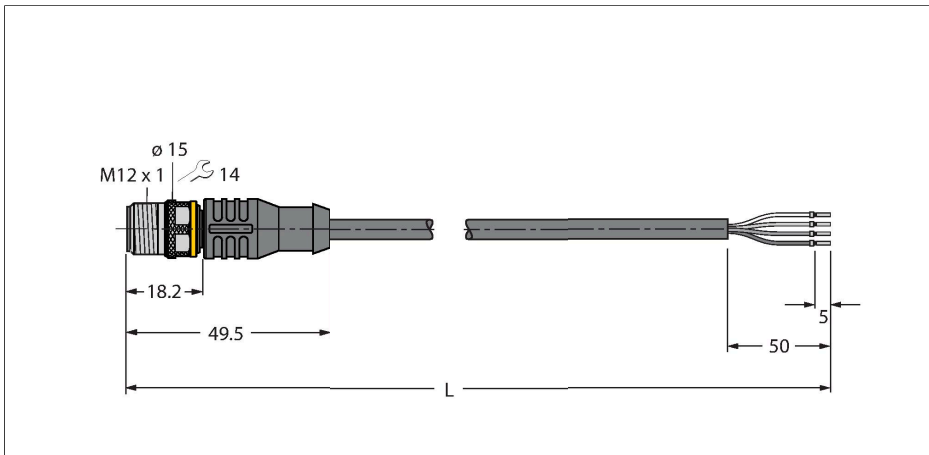# Welding Spark Resistant Actuator and Sensor Cable – Connection Cable

Technical data
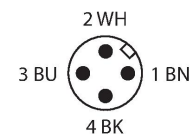
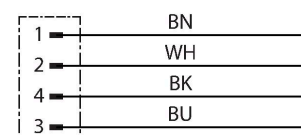| Type	RSC4.4T-2/TXO3701
ID	6635638
Remark to product	Specification according to VASS requirements (version: February 2021)
Connector A	Male, M12 × 1, Straight, A-coded
Number of Pins	4
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Black
Coupling 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 5.6 mm ±0.20
Cable length	2 m
Cable jacket	PUR, Orange
Core insulation	PP
Core cross-section	4 x 0.34 mm²
Core colors	BN, WH, BU, BK
Electrical properties at +20 °C	
Rated voltage	250 V
Test voltage	2000 V
Current	4 A
forward resistance	max. 60 Ω/km

Features

- Male M12, straight, 4-pin
- Jacket material: PUR
- Jacket color: orange
- Resistant to welding sparks
- Suitable for drag chain use
- Resistant to chemicals, UV radiation and oils
- Flame retardant (FT2 acc. to UL/CSA; IEC 60332-1-2; IEC 60332-2-2)
- Halogen free (acc. to EN 50267-2-1)
- Free from silicone, PVC and LABS (acc. to PV3.10.7)
- Particularly resistant to abrasion
- Protection class: IP67, IP69K
- Cable length: 2.0 m

Contact assignment

```
        2 WH
         |
3 BU ---(  )--- 1 BN
         |
        4 BK
```

Circuit Diagram

1	BN
2	WH
4	BK
3	BU

Hans Turck GmbH & Co. KG | 45466 Mülheim an der Ruhr, Germany | T +49 208 4952-0 | F +49 208 4952-264 | more@turck.com | www.turck.com 1|3

RSC4.4T-2/TXO3701| 12-11-2023 14-54 | Technical modifications reserved

Technical data

Mechanical and chemical properties

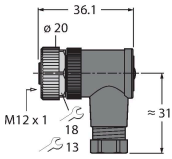|	
Bending radius (stationary installation)	≥ 5 x Ø
Bending radius (flexible use)	≥ 10 x Ø
Bending cycles	≥ 5 million
Admissible acceleration	max. 10 m/s²
Admissible travel path, horizontal	10 m (at 10 m/s²)
Admissible travel path, vertical	10 m (at 10 m/s²)
Admissible traversing speed	3.3 m/s
Torsional stress	± 180 °/m
Ambient temperature range (stationary)	-40…+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	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
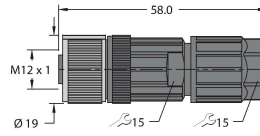
BM8241-0	6935889

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
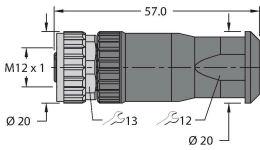
FW-ERKPM0426-SA-P-0408	100002047

Field-wireable female 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 coupling nut

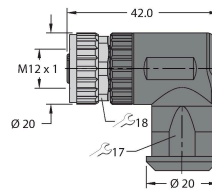| FW-ERKPM0416-SA-S-0408	100002283

Field-wireable female 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 nut

FW-EWKPM0416-SA-S-0408	100002286

Field-wireable female 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 nut

Accessories

Dimension drawing	Type	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