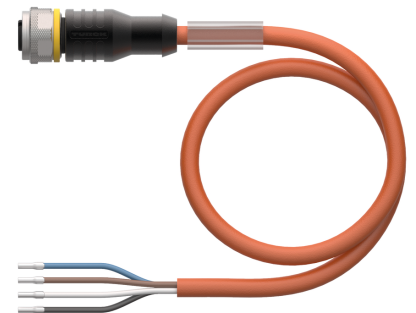
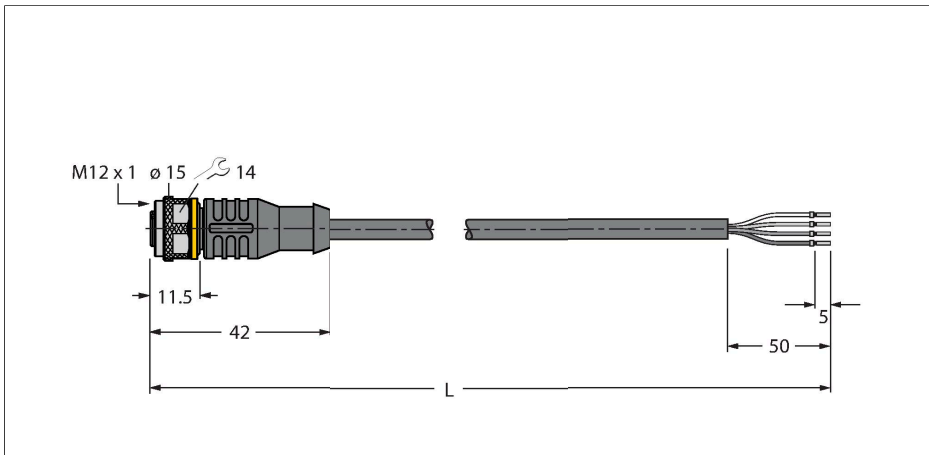


RKC4.4T-3/TXO3701

Welding Spark Resistant Actuator and Sensor Cable – Connection Cable



Technical data

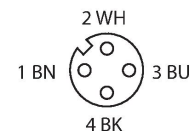
Type	RKC4.4T-3/TXO3701
ID	6635628
Remark to product	Specification according to VASS requirements (version: February 2021)
Connector A	Female, M12 × 1, Straight, A-coded
Number of Pins	4
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Black
Coupling nut/screw	Brass, CuZn, Nickel-plated
Seal	Plastic, FPM/FKM
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	3 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

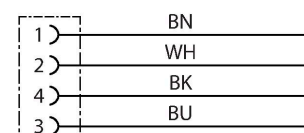


- Female M12, straight, 4-pin
- Jacket material: PUR
- Jacket color: orange
- Resistant to welding sparks
- Suitable for drag chain use
- Resistant to chemicals, UV radiation and oils
- Flame retardant (FT2 acc. to UL/CSA; IEC 60332-1-2; IEC 60332-2-2)
- Halogen free (acc. to EN 50267-2-1)
- Free from silicone, PVC and LABS (acc. to PV3.10.7)
- Particularly resistant to abrasion
- Protection class: IP67, IP69K
- Cable length: 3 m

Contact assignment



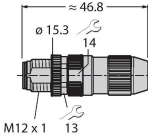
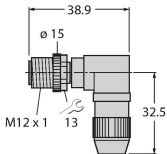
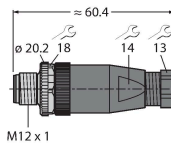
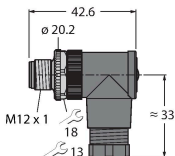
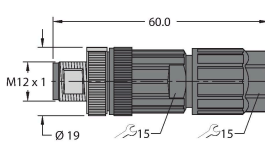
Circuit Diagram



Technical data

Mechanical and chemical properties	
Bending radius (stationary installation)	$\geq 5 \times \varnothing$
Bending radius (flexible use)	$\geq 10 \times \varnothing$
Bending cycles	≥ 5 million
Admissible acceleration	max. 10 m/s ²
Admissible travel path, horizontal	10 m (at 10 m/s ²)
Admissible travel path, vertical	10 m (at 10 m/s ²)
Admissible traversing speed	3.3 m/s
Torsional stress	$\pm 180^\circ/\text{m}$
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)	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 mm ² , 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 mm ² , plastic housing, metal nut	BS8141-0 69010  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 mm ² , 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 mm ² , 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 mm ² , plastic housing, metal retaining screw

