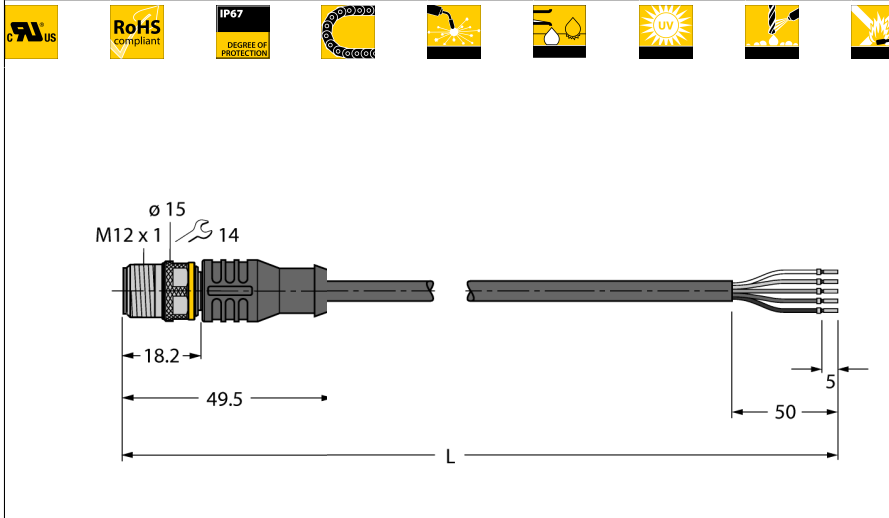


Actuator/Sensor cable, PUR Connection cable RSC5T-2/TXO

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Automation



- Male M12, straight, 4-pin + PE
- Sheath material: PUR
- Sheath color: orange
- Qualified for drag chain use
- Resistant to weld splatter
- Resistant to chemicals, UV radiation and oils
- Flame retardant
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- Approval: cULus
- RoHS conform
- Protection class IP67
- Cable length: 2.0 m

Type designation

RSC5T-2/TXO

Ident no.

6627893

Connector A side

Number of pins	Connector, M12 1, Straight
Contacts	4+PE
Contact carriers	Brass, CuZn, Gold-plated
Grip	Plastic, TPU, Black
Coupling nut/screw	Plastic, TPU, Black
Protection class	Brass, CuZn, Nickel-plated
Mechanical lifespan	IP67, A + B side screwed together
Pollution degree	> 100 Mating cycles
Tightening torque	3
	0.8 ... 1 Nm
	(observe max. torque of counter piece!)

General data

Cable diameter	5.5 ± 0.20mm
Cable length	2 m
Cable quality	PUR
Cable color	Orange
Core insulation	PP
Core colors	BN, WH, BU, BK, GNYE
Core cross-section	5x0.34mm ²
Arrangement of strands	42x0.1 mm

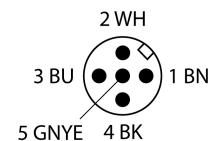
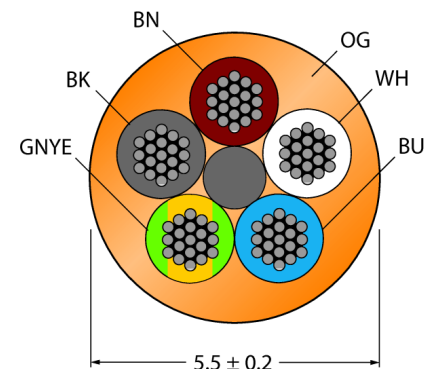
Electrical features at +20 °C

Current	4 A
Rated voltage	60 V
Insulation resistance	> 30.5 MΩ/km
Test voltage	2000 V
Forward resistance	max. 57 Ω/km

Mechanical and chemical properties

Max. tensile strength (static)	≤ 50 N/mm ²
Max. tensile strength (dynamic)	≤ 20 N/mm ²
Bending cycles	> 5 mil.
Bending radius (stationary laying)	> 5 x Ø
Bending radius (flexible use)	> 10 x Ø
Admissible acceleration	max. 5 m/s ²
Admissible travel path, horizontal	5 m (at 5 m/s ²)
Admissible travel path, vertical	2 m (at 5 m/s ²)
Admissible traversing speed	3.3 m/s
Torsional stress	± 180 °/m
Ambient temperature	
Stationary	-50...+80°C
In motion	-25...+80°C
Drag chain operation	-25...+60°C

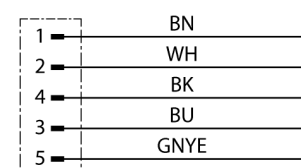
Cable Cross-section



General information

Drawing depicts design version including hexagon coupling nut
(Production date after CW11/2016).

Circuit Diagram

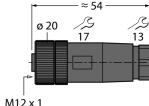
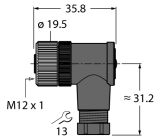
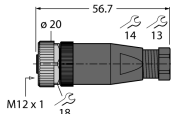
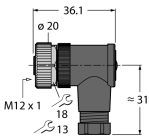


Actuator/Sensor cable, PUR
Connection cable
RSC5T-2/TXO

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Accessories

Type code	Ident no.	Description	
B8151-0	6904601	Field-wireable female connector, M12 1, straight, 5-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	
B8251-0	6904602	Field-wireable female connector, M12 1, angled, 5-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	
BM8151-0	6935888	Field-wireable female connector, M12 1, straight, 5-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	
BM8251-0	6935890	Field-wireable female connector, M12 1, angled, 5-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	
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)	

Actuator/Sensor cable, PUR
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Accessories

Type code	Ident no.	Description	
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	