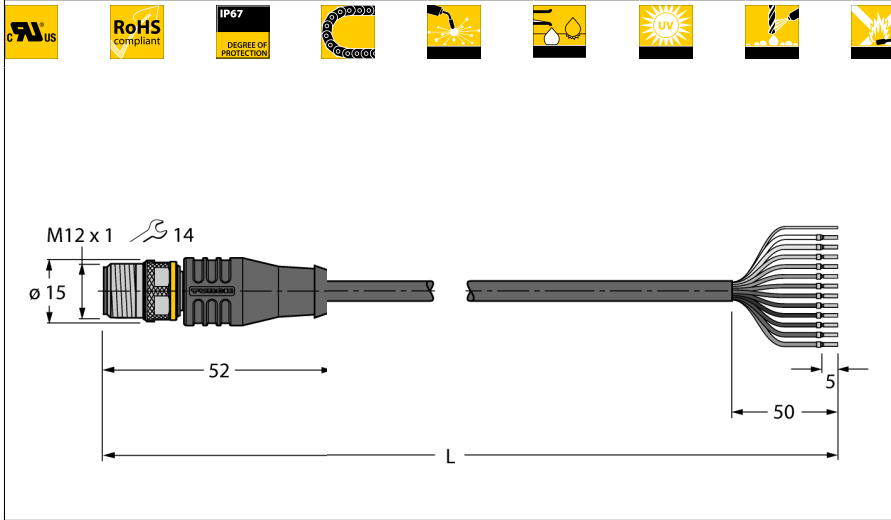


**Actuator/sensor cable, PUR**  
**Connection cable**  
**RSS12T-5/TXL**

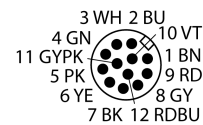
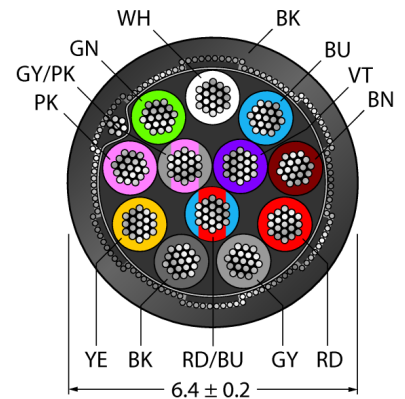


- Male M12, straight, 12-pin
- Shield on coupling nut/screw
- Sheath material: PUR, shielded
- Sheath color: black
- Qualified for drag chain use
- Resistant to weld splatter
- Resistant to chemicals, UV radiation and oils
- Flame retardant
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- Approval: cULus
- RoHS conform
- Protection class IP67
- Cable length: 5.0 m

<b>Type designation</b>	RSS12T-5/TXL
Ident no.	6626924

<b>Connector A side</b>	Connector, M12 - 1, Straight
Number of pins	12
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Grip	Plastic, TPU, Black
Coupling nut/screw	Brass, CuZn, Nickel-plated
Protection class	IP67, A + B side screwed together
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3
Tightening torque	0.8 ... 1 Nm (observe max. torque of counter piece!)

**Cable Cross-section**



<b>General data</b>	
Cable diameter	6.4 ± 0.20mm
Cable length	5 m
Cable quality	PUR
Cable color	Black
Core insulation	PP
Core colors	BN, BU, WH, GN, PK, YE, BK, GY, RD, VT, GY/PK, RD/BU
Core cross-section	12x0.14mm <sup>2</sup>
Arrangement of strands	18x0.1 mm
Shielding	Aluminum foil, tinned copper wire

<b>Electrical features at +20 °C</b>	
Current	1.5 A
Rated voltage	30 V
Insulation resistance	> 30.5 MΩ/km
Test voltage	2000 V
Forward resistance	max. 138 Ω/km

Drawing shows design status including hexagon coupling nut (Start of production CW42/2016).

**Circuit Diagram**

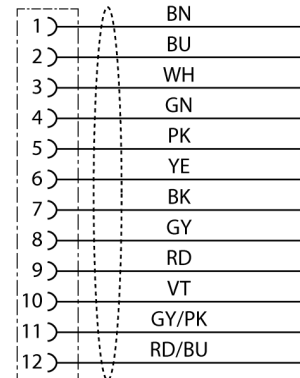
**Actuator/sensor cable, PUR**  
**Connection cable**  
**RSS12T-5/TXL**

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**Mechanical and chemical properties**

Max. tensile strength (static)	≤ 50 N/mm <sup>2</sup>
Max. tensile strength (dynamic)	≤ 20 N/mm <sup>2</sup>
Bending cycles	> 2 mil.
Bending radius (stationary laying)	> 5 x Ø
Bending radius (flexible use)	> 10 x Ø
Admissible acceleration	max. 5 m/s <sup>2</sup>
Admissible travel path, horizontal	5 m (at 5 m/s <sup>2</sup> )
Admissible travel path, vertical	2 m (at 5 m/s <sup>2</sup> )
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



**Actuator/sensor cable, PUR**  
**Connection cable**  
**RSS12T-5/TXL**

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**Accessories**

Type code	Ident no.	Description	
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)	
BLANK-LABEL-FOR-CORDESETS-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	