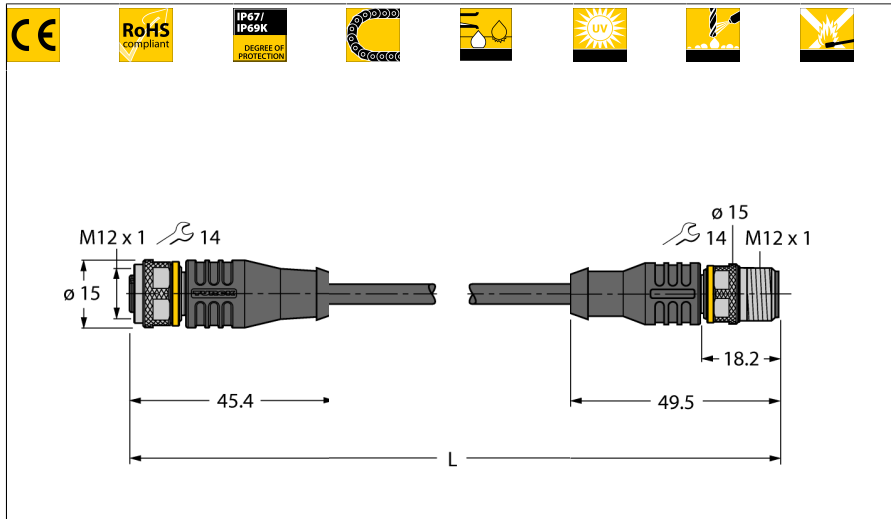


Actuator and Sensor Cable, PUR Extension Cable RKS8.702T-1-RSC5.501T/TXL



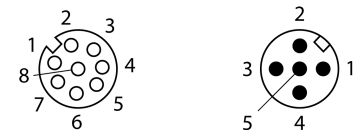
- Female M12, straight, 8-pin
- Shield on coupling nut/screw
- Male M12, straight, 5-pin
- Jacket material: PUR, shielded
- Jacket color: black
- Suitable for drag chain use
- Resistant to chemicals, UV radiation and oils
- Flame retardant (FT2 acc. to UL 1581, IEC 60332-2-2)
- Resistant to welding sparks
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- Protection class: IP67, IP69K
- Cable length: 1.0 m

Type	RKS8.702T-1-RSC5.501T/TXL
ID	6631473

Connector A	Female, M12 × 1, Straight, A-coded
Number of Pins	8
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

Connector B	Male, M12 × 1, Straight, A-coded
Number of pins	5 pins
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Black
Coupling nut/retaining screw	Brass, CuZn, Nickel-plated
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class	IP67, IP69K, Only when screwed together

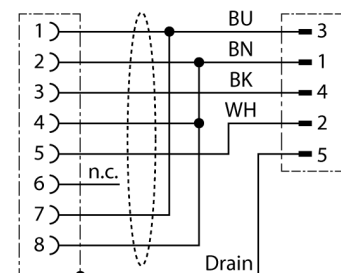
Cable	
Cable diameter	Ø 5.3mm ±0.20
Cable length	1 m m
Cable jacket	PUR, Black
Shielding	Aluminum foil, tinned copper wire
Core insulation	PP
Core cross-section	4 x 0.34 mm²
Arrangement of strands	42 x 0.1mm
Core colors	BN, WH, BU, BK



General information

Drawing shows design status including hexagon coupling nut (Production start CW11/2016).

Circuit Diagram



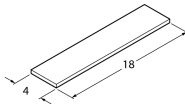
Electrical properties at +20 °C

Rated voltage	30V
Test voltage	2000 V
Current	4AA
Insulation resistance	> 30.5 MΩ/km
forward resistance	max. 57 Ω/km

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. 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 range (stationary)	-50...+80°C
Ambient temperature range (In motion)	-25...+80°C
Ambient temperature during drag chain operation	-25...+60°C

Accessories

Type code	Ident no.		Dimension drawing
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	