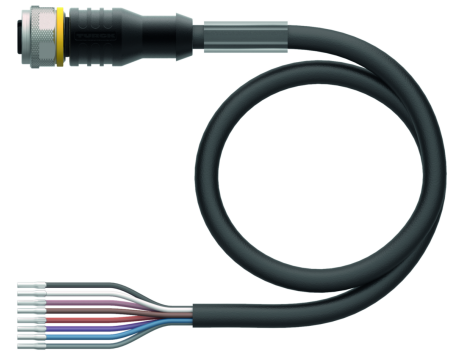
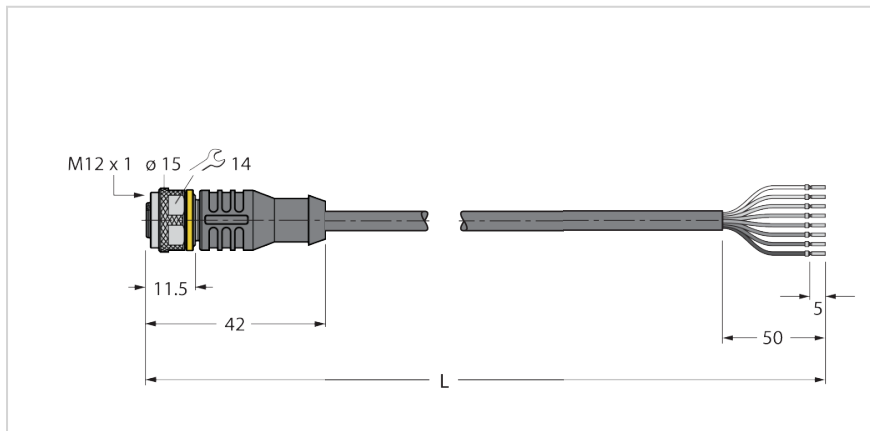


RKC8T-15/TXL

Actuator and Sensor Cable, PUR Connection Cable



Type designation	RKC8T-15/TXL
Ident-No.	6625176

Technical data

General data	
Special features	Suitable for drag chain use
Electrical data	
Current	2 A
Rated voltage	30 V
forward resistance	max. 79 Ω/km
Insulation resistance	>30,5 MΩ/km
Test voltage	2000 V
Mechanical data	
Bending radius (stationary installation)	≥5 x Ø
Bending radius (flexible use)	≥10 x Ø
Bending cycles	≥5 Mio.
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
Connector A	
Mechanical lifespan	> 100 Mating cycles

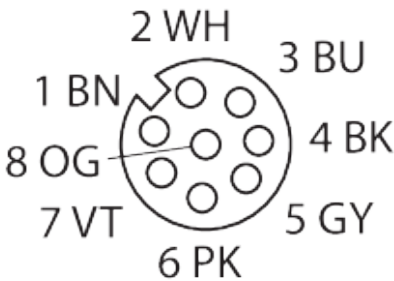
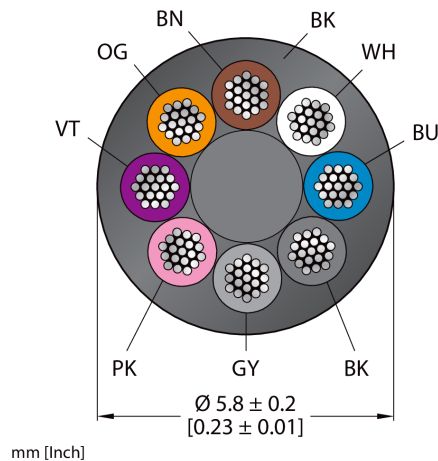
Features

- Female M12, straight, 8-pin
- Jacket material: PUR
- 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: 15 m

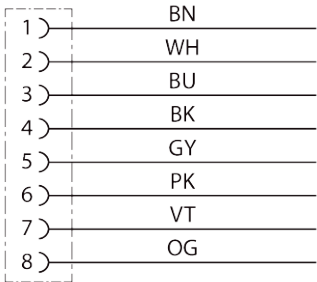
Technical data

Connector A	Female, M12 x 1, Straight, A-coded
Number of Pins	8
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
Pollution degree	3
Protection class	IP67, IP69K, Only in screwed condition
Cable	
Cable diameter	5,8 mm ±0.20
Cable length	15 m
Cable jacket	PUR, Black
Core insulation	PP
Core cross-section	8 x 0,25 mm²
Arrangement of strands	32 x 0,1 mm
Core colors	BN, WH, BU, BK, GY, PK, VT, OG
Ambient conditions	
Ambient temperature (mobile)	-25...+80 °C
Ambient temperature (fixed)	-50...+80 °C
Ambient temperature (drag chain)	-25...+60 °C
Tests/approvals	
Approvals	cULus
Comments	
Packaging unit	1
Remark to product	Stranded wire colors and figure may differ.

Cable Cross-Section



Circuit Diagram



Functional principle

Drawing shows design status including hexagon coupling nut (Production start CW11/2016).
Wiring diagram shows contact assignment acc. to DIN EN 60947-5-2 (Production start CW16/2017).

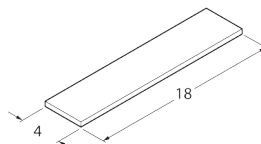
Stranded Wire Colors

Pin	DIN 47100 (old)	DIN EN 60947-5-2 (new)
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1	WH	BN
2	BN	WH
3	GN	BU
4	YE	BK
5	GY	GY
6	PK	PK
7	BU	VT
8	RD	OG

Mounting accessories

BS8181-0	6901004	CMBS8181-0	6930792
	Field-wireable male connector, M12 × 1, straight, 8-pin, screw terminal connection, cable feedthrough 6.0 to 8.0 mm, core cross-section/terminal capacity 0.14 to 0.50 mm², plastic housing, metal retaining screw		Field-wireable male connector, M12 × 1, straight, 8-pin, screw terminal connection, cable feedthrough 6.0 to 8.0 mm, core cross-section/terminal capacity 0.14 to 0.50 mm², metal housing, metal nut, shieldable, also for Ethernet
TORQUE-WRENCH-SET-AS	6936170	BLANK-LABEL-FOR-CORDSETS-TEL-TXL	6936206
	Torque wrench set; handles with adjustable torque 0.4-1.0 Nm, torque wrench for M8 (SW9), fork wrench for M12 (SW 14)		Label for TEL and TXL cables, length: 18 mm, height: 4 mm, material: polycarbonate (PC), color: white, halogen-free and flame-retardant



Connection accessories

LABEL-HOLDER-FLEX-PVC	100048170
mm [inch]	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