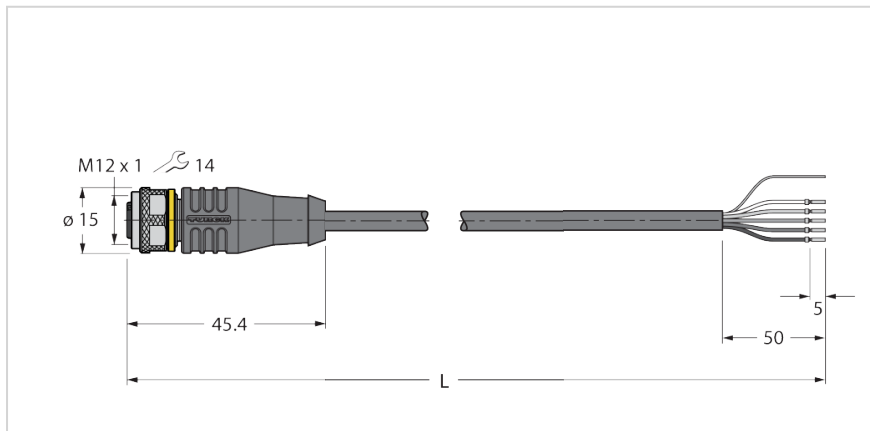


RKS4.5T-30/TXL

Actuator and Sensor Cable, PUR Connection Cable



Type designation	RKS4.5T-30/TXL
Ident-No.	6627635

Technical data

Electrical data	
Current	4 A
Rated voltage	60 V
forward resistance	max.57 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	≥2 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
Connector A	Female, M12 x 1, Straight, A-coded
Number of Pins	5

Features

- Female M12, straight, 5-pin
- Shield on coupling nut/screw
- 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: 30 m

Technical data

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	5,7 mm ± 0.20
Cable length	30 m
Cable jacket	PUR, Black
Overall shield	Aluminum foil, tinned copper wire
Core insulation	PP
Core cross-section	5 x 0,34 mm ²
Arrangement of strands	42 x 0,1 mm
Core colors	BN, WH, BU, BK, GY

Ambient conditions

Ambient temperature (mobile)	-25...+80 °C
Ambient temperature (fixed)	-50...+80 °C
Ambient temperature (drag chain)	-25...+60 °C

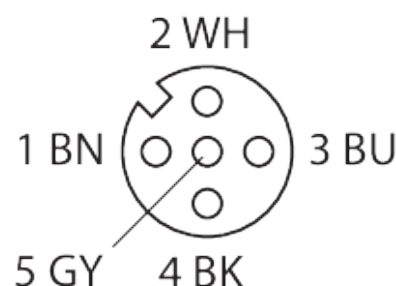
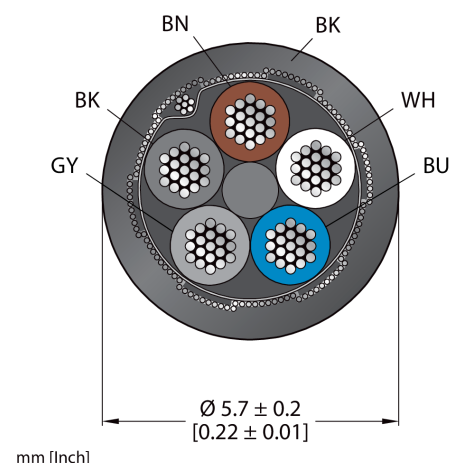
Tests/approvals

Approvals	cULus
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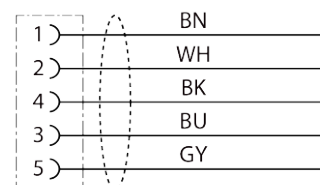
Comments

Packaging unit	1
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Cable Cross-Section



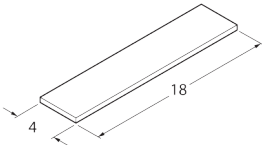
Circuit Diagram



Mounting accessories

CMBS8151-0	6930161	CMBS8251-0	6930216
	Field-wireable male connector, M12 × 1, straight, 5-pin, screw terminal connection, cable feedthrough 6.0 to 8.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm ² , metal housing, metal nut, shieldable		Field-wireable male connector, M12 × 1, angled, 5-pin, screw terminal connection, cable feedthrough 6.0 to 8.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm ² , metal housing, metal nut, shieldable

Mounting accessories

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	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
