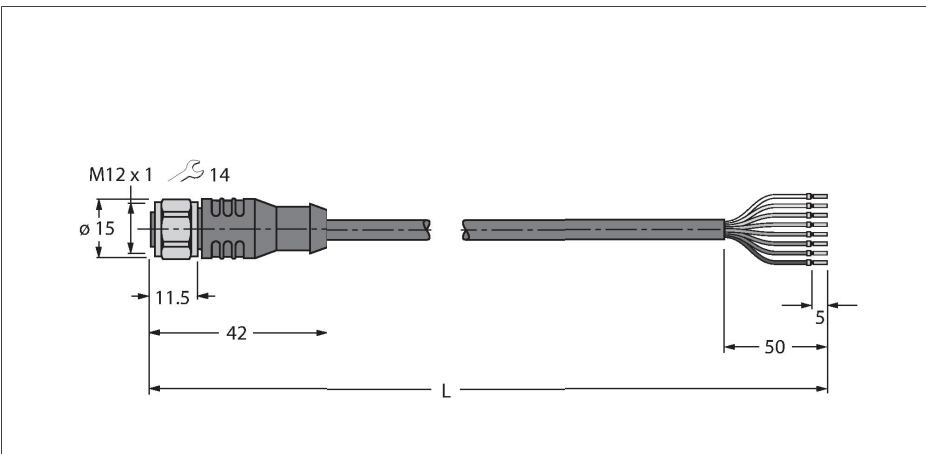


RKCV8T-20/TEL

Actuator and Sensor Cable, PVC – Connection Cable



Features

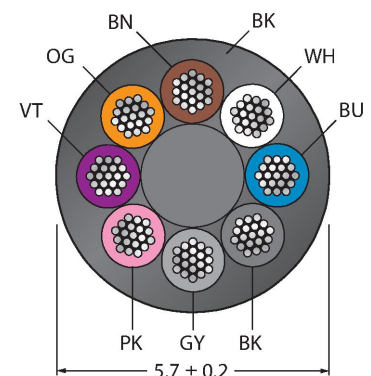


- Female M12, straight, 8-pin
- Stainless steel coupling nut/screw
- Jacket material: PVC
- Jacket color: black
- Resistant to chemicals and oils
- Flame retardant
- Resistant to acids and alkaline solutions
- Resistant to microbes and hydrolysis
- LABS free
- Protection class: IP67, IP69K
- Cable length: 20 m

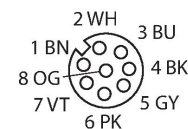
Technical data

Type	RKCV8T-20/TEL
ID	6630394
Connector A	Female, M12 × 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	Stainless Steel, V4A
Seal	Plastic, FPM/FKM
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3
Protection class	IP67, IP69K, Only in screwed condition
Cable	
Cable diameter	Ø 5.7 mm ±0.20
Cable length	20 m
Cable jacket	PVC, Black
Core insulation	PVC
Core cross-section	8 x 0.25 mm ²
Arrangement of strands	32 x 0.1 mm
Core colors	BN, WH, BU, BK, GY, PK, VT, OG
Electrical properties at +20 °C	
Rated voltage	30 V
Test voltage	2000 V
Current	2 A
Insulation resistance	> 30.5 MΩ/km
forward resistance	max. 79 Ω/km

Cable Cross-Section



Contact assignment



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).

Technical data

Mechanical and chemical properties	
Bending radius (stationary installation)	≥ 5 x Ø
Bending radius (flexible use)	≥ 10 x Ø
Ambient temperature range (stationary)	-40...+105 °C
Ambient temperature range (In motion)	-5...+80 °C
Approvals	cULus

Circuit Diagram

1	BN
2	WH
3	BU
4	BK
5	GY
6	PK
7	VT
8	OG

Stranded Wire Colors

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

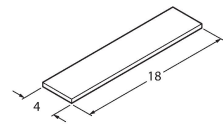
Accessories

TORQUE-WRENCH-SET-AS6936170

Torque wrench set; handles with adjustable torque 0.4-1.0 Nm, torque wrench for M8 (SW9), fork wrench for M12 (SW 14)

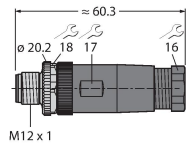
BLANK-LABEL-FOR-CORDSETS-TEL-TXL6936206

Label for TEL and TXL cables, length: 18 mm, height: 4 mm, material: polycarbonate (PC), color: white, halogen-free and flame-retardant



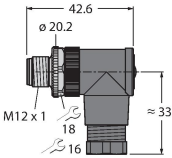
BS8181-06901004

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



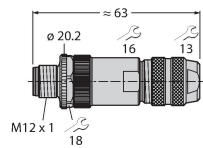
BS8281-06930862

Field-wireable male connector, M12 × 1, angled, 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



CMBS8181-06930792

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



Accessories

Dimension drawing	Type	ID	
	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