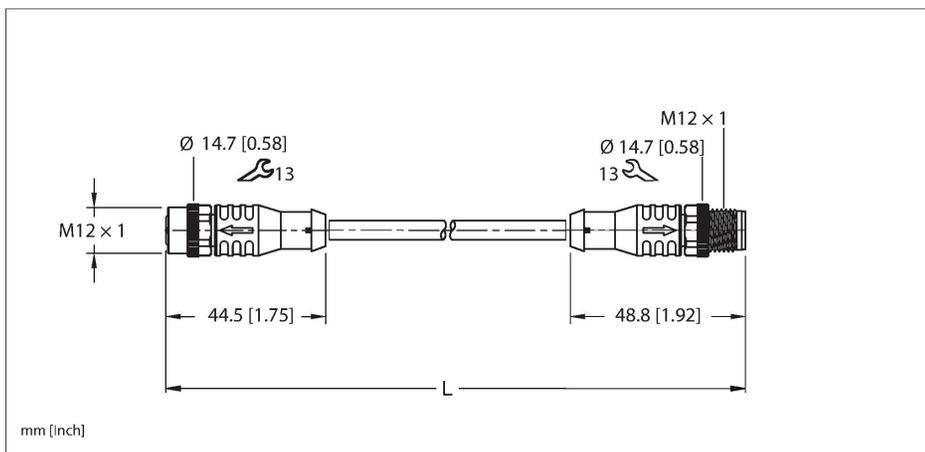# EKRV-ESRV-A5.500-GC2K-1
Actuator and Sensor Cable – Extension Cable

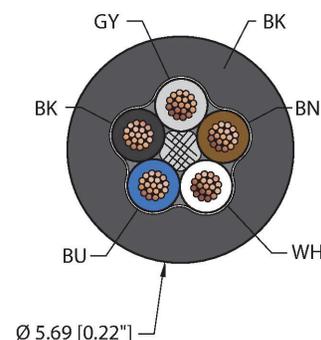

mm [Inch]

Technische Daten

Type	EKRV-ESRV-A5.500-GC2K-1
ID	100021192
Replaces	RKV 4.5T-x-RSV 4.5T
Connector A	Female, M12 × 1, Straight, A-code
Design specification	Acc. to IEC 61076-2-101
Number of contacts	5
Contacts	Bronze, CuSn, Gold-plated
Contact carriers	Plastic, Nylon or TPU, Black
Connector body	Plastic, TPU, Black
Coupling nut	Stainless Steel, 316L (1.4404), Passivated
Connector seal	O-ring, Plastic, FKM/FPM
Tightening torque (range)	0.4 … 1.8 Nm (note max. torque of mating connector!)
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class (When coupled)	IP67, IP68, IP69, IP69K
	NEMA: 1, 3, 4, 4X, 6P, 12
Connector B	Male, M12 × 1, Straight, A-code
Design specification	Acc. to IEC 61076-2-101
Number of contacts	5
Contacts	Bronze, CuZn, Gold-plated
Contact carriers	Plastic, Nylon or TPU, Black
Connector body	Plastic, TPU, Black

Features

- ■ M12, Female, Straight, 5-pin
- ■ M12, Male, Straight, 5-pin
- ■ Instrumentation Tray Cable
- ■ Black PVC jacket, 5X22 AWG
- ■ Sunlight Resistant
- ■ -40 Cold Bend Rating
- ■ Oil Resistant
- ■ Flame Ratings: UL 1685 FT4, UL1061, CSA FT4
- ■ Flexlife® and C-Track Approved

Cable cross section

Ø 5.69 [0.22"]

Contact assignment

Technische Daten

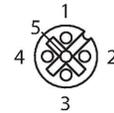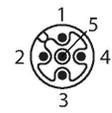|	
Coupling nut	Stainless Steel, 316L (1.4404), Passivated
Tightening torque	0.4 … 1.8 Nm (note max. torque of mating connector!)
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class (When coupled)	IP67, IP68, IP69, IP69K
	NEMA: 1, 3, 4, 4X, 6P, 12
Cable data	
Cable ID	RF50982
Total number of conductors	5
Cable diameter	Ø 5.69 mm
Length (L)	1 m, (+50mm or 4% of length/-0.0, Whichever is greater)
Cable jacket	PVC, Black
Conductor diameter	0.054 "
Conductor material	TC (tinned copper)
Conductor insulation material	PVC
Conductor size	5 x 22 AWG [Similar to 0.34 mm²]
Number of strands x O.D.	19 x 0.0058 "
Conductor colors	BN, WH, BU, BK, GY
Electrical properties at +20 °C	
Rated voltage	250 V_{AC}/300 V_{DC}
Current	4 A
Mechanical and chemical properties	
Bending radius (static)	≥ 5 x Ø
Bending radius (dynamic)	≥ 10 x Ø
UL cold bend rating	-40 °C
Flex rating 20 x Ø	10 million cycles
	*When properly installed @ 20°C, 50%RH, and a cycle speed of ≤0.5 cycles per second.
C-Track	Yes
Ambient temperature range (static)	-40…+105 °C
Ambient temperature range (dynamic)	5…+105 °C
Temperature range (installation)	-10…+105 °C
Approval	
Approvals	UL 2238 CSA C22.2 No. 182.3 CE UKCA

Connector A   Connector B

Circuit Diagram

Technische Daten

	RoHS
Note	
	- Flex ratings may be reduced if used in extreme temperatures, exposure to certain chemicals, operating above the rated cycle speed, or operating below the rated cable bend radius.
	- We reserve the right to make technical alterations without prior notice.

Montagezubehör

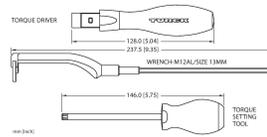| **M12-TORQUE-SLEEVE,YELLOW(10PACK)**	**A900167**

10 Pack of Yellow Torque Sleeves for the new M12 cordsets. Compatible with male, female, straight and right-angled, stainless steel and nickel-plated brass coupling nuts.

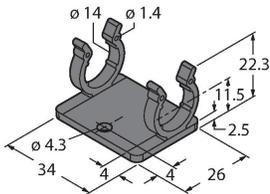| **TORQUE-WRENCH-SET-M12/SW13**	**A900152**

Adjustable torque driver to connect to the 13mm hex. Compatible with redesigned M12 cordsets, M12 Power, and M12 X-code. NOT Compatible with legacy M12 cordsets. Includes (1) adjustable torque driver, (1) adjustment tool, and (1) 13mm forked bit.

Montagezubehör

M12-CORDSETS-MOUNTING-CLIP-(10/BAG)	**100016882**

10 Pack of black mounting clips and M4x8mm mounting screws, used to secure cable to cable connection points.