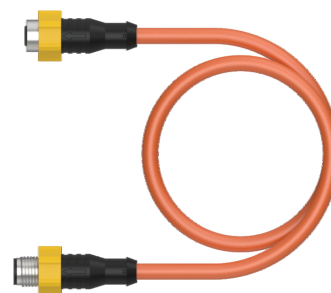
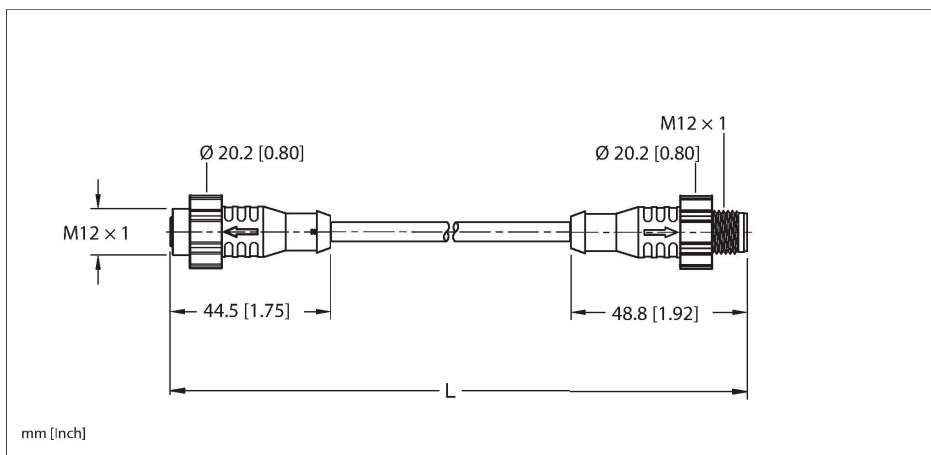


# EKRT-ESRT-A5.500-HUA6-3

## Actuator and Sensor Cable – Extension Cable



### Technische Daten

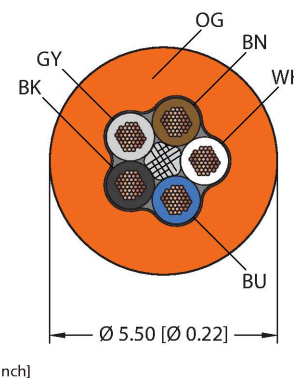
Type	EKRT-ESRT-A5.500-HUA6-3
ID	100033858
Replaces	RK 4.5T-x-RS 4.5T/S90
Connector A	Female, M12 × 1, Straight, A-code
Design specification	Acc. to IEC 61076-2-101
Number of contacts	5
Contacts	Bronze, CuSn, Gold-plated
Contact carriers	Plastic, Nylon or TPU, Black
Connector body	Plastic, TPU, Black
Coupling nut	Brass, CuZn, Nickel-plated
Connector seal	O-ring, Plastic, FKM/FPM
Torque sleeve	Plastic, PA, Yellow
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, 6P, 12
Connector B	Male, 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	Brass, CuZn, Nickel-plated

### Features



- M12, Female, Straight, 5-pin, Torque sleeve
- M12, Male, Straight, 5-pin, Torque sleeve
- Halogen Free Cable
- Orange TPU jacket, 5 x 0.34 mm<sup>2</sup> (similar to 22 AWG)
- -50 Cold Bend Rating
- Flame Ratings: UL1581, FT2

### Cable cross section



mm [inch]

### Contact assignment

## Technische Daten

Torque sleeve	Plastic, PA, Yellow
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, 6P, 12

Cable data	
Total number of conductors	5
Cable diameter	Ø 5.5 mm
Length (L)	3 m, (+50mm or 4% of length/-0.0, Whichever is greater)
Cable jacket	TPU, Orange
Conductor diameter	0.046 "
Conductor material	BC (bare copper)
Conductor insulation material	PP
Conductor size	5 x 0.34 mm <sup>2</sup> [similar to 22 AWG]
Number of strands x O.D.	42 x 0.1 mm
Conductor colors	BN, WH, BU, BK, GY

Electrical properties at +20 °C	
Rated voltage	250 V <sub>AC</sub> /300 V <sub>DC</sub>
Current	4 A

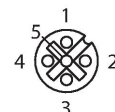
Mechanical and chemical properties	
Bending radius (static)	≥ 5 x Ø
Bending radius (dynamic)	≥ 10 x Ø
UL cold bend rating	-50 °C
Flex rating 20 x Ø	10 million cycles

\*When properly installed @ 20°C, 50%RH, and a cycle speed of ≤0.5 cycles per second.

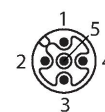
Ambient temperature range (static)	-50...+80 °C
Ambient temperature range (dynamic)	5...+80 °C
Temperature range (installation)	-10...+80 °C

Approval	
Approvals	UL 2238 CSA C22.2 No. 182.3 CE UKCA RoHS

Connector A



Connector B



## Circuit Diagram



## Technische Daten

### 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.

- The torque sleeve can be removed, before or after installation by inserting a small flat screwdriver near the relief by the arrow and prying.

- We reserve the right to make technical alterations without prior notice.

## Montagezubehör

### M12-TORQUE-SLEEVE,YELLOW(10PACK)

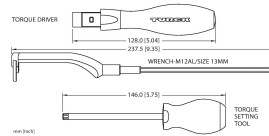
A900167



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

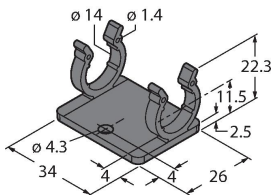


Adjustable torque driver to connect to the 13mm hex. Compatible with redesigned M12 cordsets, M12 Power, and M12 X-code. NOT Compatible with legacy M12 cordsets. Includes (1) adjustable torque driver, (1) adjustment tool, and (1) 13mm forked bit.

## 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.