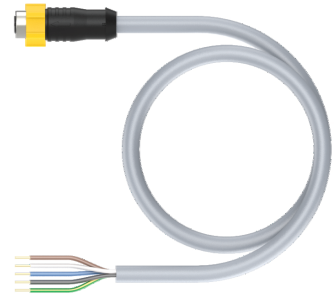
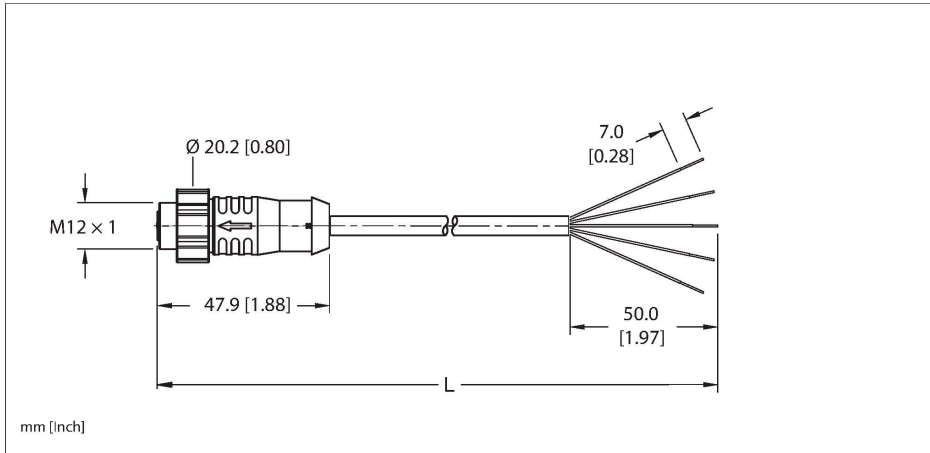


# EKRT-A5.5GD-GC84-0.5

## Actuator and Sensor Cable, PVC – Connection Cable



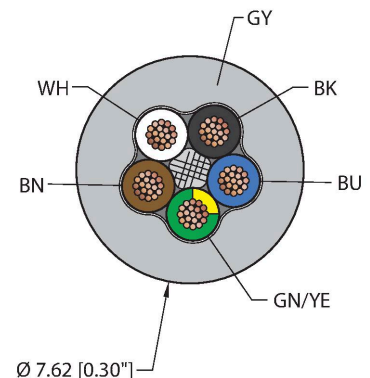
### Technische Daten

Type	EKRT-A5.5GD-GC84-0.5
ID	200001092
Replaces	RKC 4.5T-x/S1538
Connector A	Female, M12 x 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
Cable data	
Cable ID	RF50630
Total number of conductors	5
Cable diameter	Ø 7.62 mm
Length (L)	0.5 m, (+50mm or 4% of length/-0.0, Whichever is greater)
Cable jacket	PVC, Gray

### Features

- 
- M12 female connector, straight, 5-pin, A-coded
- Jacket material: PVC
- Jacket color: gray
- Protection class: IEC IP67, IP68, IP69, IP69K
- M12, Female, Straight, 5-pin, Torque sleeve
- Instrumentation Tray Cable
- Gray PVC jacket, 5X18 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



EKRT-A5.5GD-GC84-0.5 | 21-02-2025 20-58 | Technische Änderungen vorbehalten

## Technische Daten

Conductor diameter	0.076 "
Conductor material	TC (tinned copper)
Conductor insulation material	PVC
Conductor size	5 x 18 AWG [Similar to 0.75 mm <sup>2</sup> ]
Number of strands x O.D.	19 x 0.0092 "
Conductor colors	BN, WH, BU, BK, GNYE

### Electrical properties at +20 °C

Rated voltage	250 V <sub>Ac</sub> /300 V <sub>Dc</sub>
Current	5 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 RoHS
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### Note

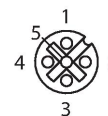
- Flex ratings may be reduced if used in extreme temperatures, exposure to certain chemicals, operating above the rated cycle speed, or operating below the rated cable bend radius.

- 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.

## Contact assignment

Connector A



## Circuit Diagram



## Montagezubehör

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

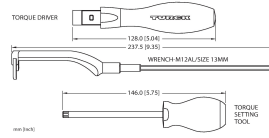
A900167



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.