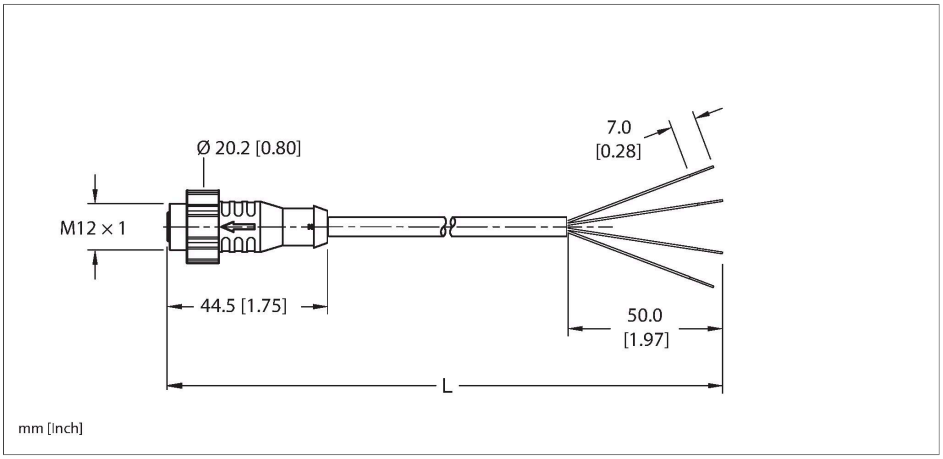
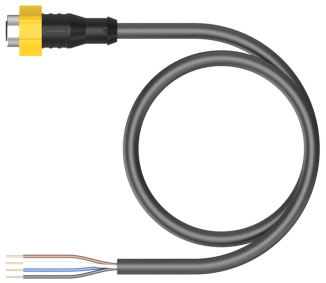
EKRT-A4.400-HUAK-x
Actuator and Sensor Cable – Connection Cable





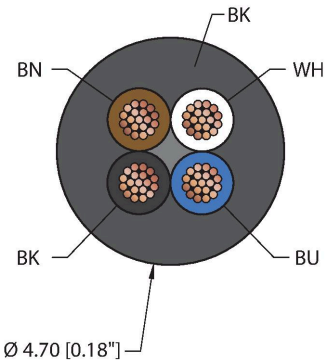
Technische Daten

Type	EKRT-A4.400-HUAK-x
ID	777046378
Replaces	RKC 4.4T-x/S1064
Connector A	Female, M12 × 1, Straight, A-code
Design specification	Acc. to IEC 61076-2-101
Number of contacts	4
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	
Total number of conductors	4
Cable diameter	Ø 4.7 mm
Cable jacket	TPU, Black
Conductor diameter	0.046 "
Conductor material	BC (bare copper)
Conductor insulation material	PP

Features

- M12, Female, Straight, 4-pin, Torque sleeve
- Halogen Free Cable
- Black TPU jacket, 4X22 AWG
- -50 Cold Bend Rating
- Flame Ratings: UL1581, FT2

Cable cross section

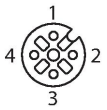


Contact assignment

Technische Daten

Conductor size	4 x 0.34 mm² [similar to 22 AWG]
Number of strands x O.D.	42 x 0.1 mm
Conductor colors	BN, WH, BU, BK
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	-50 °C
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
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.

Connector A



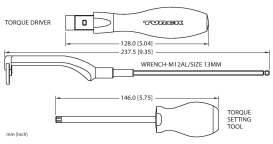
Circuit Diagram

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**

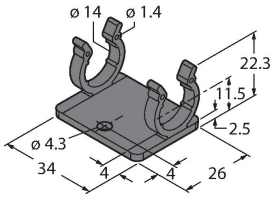


Adjustable torque driver to connect to the 13mm hex. Compatible with redesigned M12 cordsets, M12 Power, and M12 X-code. NOT Compatible with legacy M12 cordsets. Includes (1) adjustable torque driver, (1) adjustment tool, and (1) 13mm forked bit.

EKRT-A4.400-HUAK-x| 21-02-2025 20-52 | Technische Änderungen vorbehalten

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.