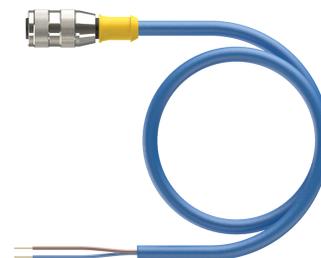
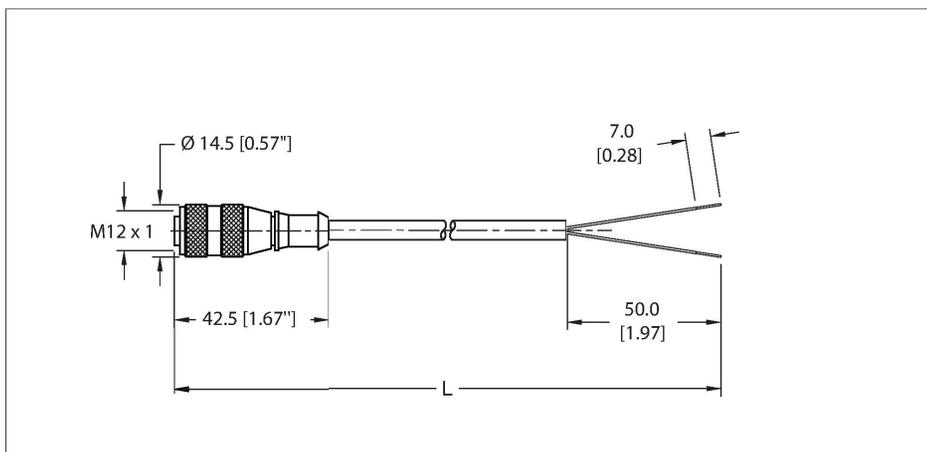


# RK 4.21T-6

## Actuator and Sensor Cable – Connection Cable



### Technische Daten

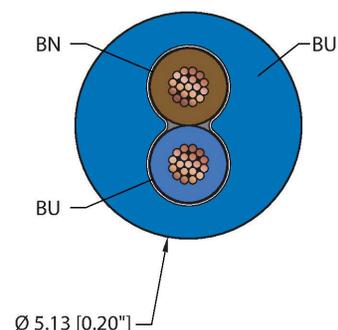
Type	RK 4.21T-6
ID	U2171-6
Connector A	Female, M12 × 1, Straight, A-code
Design specification	Acc. to IEC 61076-2-101
Number of contacts	4
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, Nylon or TPU, Black
Connector body	Plastic, TPU, Yellow
Coupling nut	Brass, CuZn, Nickel-plated
Connector seal	O-ring, Plastic, FKM/FPM
Tightening torque (range)	0.8 ... 1 Nm (note max. torque of mating connector!)
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class (When coupled)	IP68, IP69K
	NEMA: 1, 3, 4, 6P
<b>Cable data</b>	
Cable ID	RF51923
Total number of conductors	2
Cable diameter	Ø 5.13 mm
Length (L)	6 m
Cable jacket	PVC, Blue
Conductor diameter	0.061 "
Conductor material	TC (tinned copper)
Conductor insulation material	PVC

### Features



- M12, Female, Straight, 2-pin
- Instrumentation Tray Cable
- Blue PVC jacket, 2X20 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



### Contact assignment

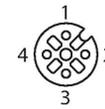
## Technische Daten

Conductor size	2 x 20 AWG [Similar to 0.50 mm <sup>2</sup> ]
Number of strands x O.D.	19 x 0.0073 "
Conductor colors	BN, BU
<b>Electrical properties at +20 °C</b>	
Rated voltage	250 V
Current	4 A
<b>Mechanical and chemical properties</b>	
Bending radius (static)	≥ 5 x Ø
Bending radius (dynamic)	≥ 10 x Ø
Torsion rating	Max. 20 million
UL cold bend rating	-40 °C
Flex rating 10 x Ø	20 million cycles

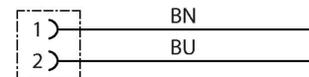
<b>Approval</b>	
Approvals	UL 2238 CSA C22.2 No. 182.3 CE UKCA RoHS

<b>Note</b>	
	- 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.

Connector A



Circuit Diagram



## Montagezubehör

<b>TORQUE-WRENCH-SET-M12-LEGACY</b>	<b>A900153</b>
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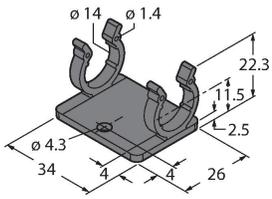
Adjustable torque driver to connect to a Ø15mm knurl. Compatible with the redesigned and legacy M12 cordsets. Includes (1) adjustable torque driver, (1) adjustment tool, (1) 1/4" square to 4mm hex adaptor bit, and (1) Ø15mm spring loaded clamp bit

RK 4.21T-6 | 21-02-2025 22-34 | 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.