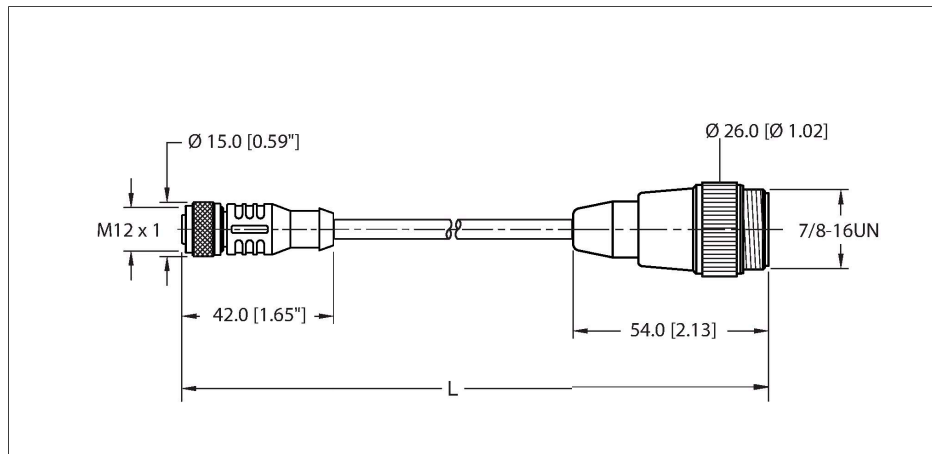


# RKC 4.4T-0.5-RSM 40/S3520

## Actuator and Sensor Cable – Extension Cable

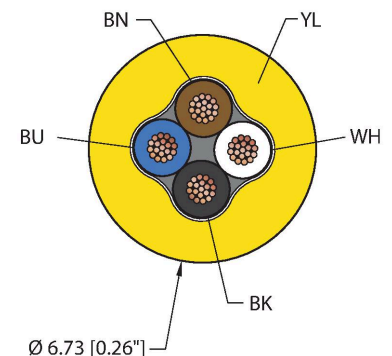


### Features



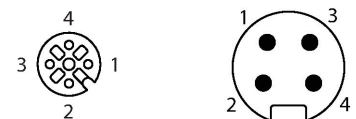
- M12 female connector, straight, 4-pin
- 7/8" male connector, straight, 4-pin
- Instrumentation Tray Cable
- PVC jacket, yellow, 4 × 18 AWG
- UV resistant
- -40 °C cold bending strength
- Oil resistant
- Fire classes: UL 1685 FT4, UL1061, CSA FT4
- Flexlife and C-Track approved

### Cable Cross-Section

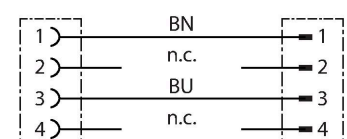


### Contact assignment

Connector A Connector B



### Diagram



### Technical data

Type	RKC 4.4T-0.5-RSM 40/S3520
ID	UX18415
Connector A	Female, M12 × 1, Straight, A-coded
Design specification	acc. to IEC 61076-2-101
Number of pins	4
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, Nylon or TPU, Black
Connector body	Plastic, TPU, Yellow
Coupling nut/screw	Brass, CuZn, Nickel-plated
Seal	O ring, Plastic, FKM/FPM
Tightening torque (range)	0.8 ... 1 Nm (observe max. torque of mating connector!)
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3
Protection class	IP68, IP69K NEMA: 1, 3, 4, 6P
Connector B	Male, 7/8"-16 UN, Straight
Number of Pins	4
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Yellow
Connector body	Plastic, TPU, Yellow
Coupling nut/retaining screw	Brass, CuZn, Nickel-plated
Tightening torque	2 Nm
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class	IP67, IP68, IP69, IP69K NEMA: 1, 3, 4, 6P, 12

## Technical data

<b>Cable</b>	
Cable ID	RF50548
Number of cores	4
Cable diameter	Ø 6.73 mm
Cable length	0.5 m, (+ 50 mm or 4 % of the length/-0.0, depending on which value is larger)
Cable jacket	PVC, Yellow
Conductor diameter	0.076 "
Conductor material	TC (tinned copper)
Core insulation	PVC
Core cross-section	4 x 18 AWG [Similar to 0.75 mm²]
Arrangement of strands	19 x 0.0092 "
Core 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 (stationary installation)	≥ 5 x Ø
Bending radius (flexible use)	≥ 10 x Ø
Cold flexural strength	-40 °C
Bending cycles 20 x Ø	10 million cycles
	When correctly installed at 20 °C, 50 % RH and a cycle speed of ≤ 0.5 cycles per second.
C-track	Yes
Ambient temperature (fixed)	-40...+105 °C
Ambient temperature (mobile)	5...+105 °C
Ambient temperature during installation	-10...+105 °C
<b>Approval</b>	
Approvals	UL 2238 CSA C22.2 No. 182.3 CE RoHS
<b>Note</b>	
	Using the cable in extreme temperatures, when it is exposed to certain chemicals and above the nominal cycle speed or below the nominal bending radius of the cable can reduce the flexural strength.
	- We reserve the right to make technical modifications without prior notice.