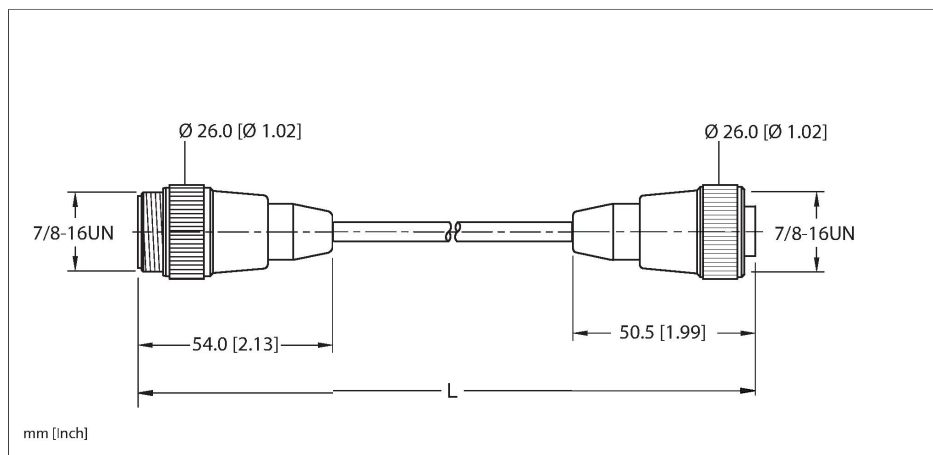


RSM RKM 31-1M

Actuator and Sensor Cable – Extension Cable



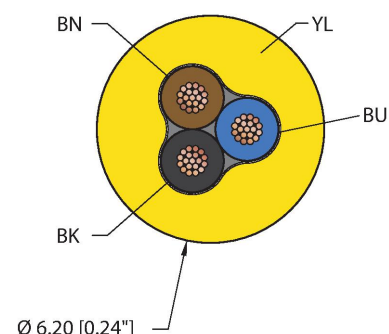
Technische Daten

Type	RSM RKM 31-1M
ID	U-44231
Connector A	Male, 7/8"-16 UN, Straight
Number of contacts	3
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Yellow
Connector body	Plastic, TPU, Yellow
Coupling nut	Brass, CuZn, Nickel-plated
Tightening torque	2 Nm
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class (When coupled)	IP67, IP68, IP69, IP69K
	NEMA: 1, 3, 4, 6P, 12
Connector B	Female, 7/8"-16 UN, Straight
Number of contacts	3
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Yellow
Connector body	Plastic, TPU, Yellow
Coupling nut	Brass, CuZn, Nickel-plated
Tightening torque	2 Nm
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class (When coupled)	IP67, IP68, IP69, IP69K
	NEMA: 1, 3, 4, 6P, 12

Features

- UL US
- SP US
- CE
- UK CA
- RoHS compliant
- IP67/IP68
IP69/IP69K
DEGREE OF PROTECTION
- 7/8" Male, Straight, 3-pin
- 7/8" Female, Straight, 3-pin
- Instrumentation Tray Cable
- Yellow PVC jacket, 3X18 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

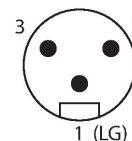


Contact assignment

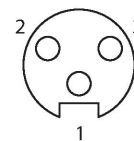
Technische Daten

Cable data	
Cable ID	RF50513
Total number of conductors	3
Cable diameter	Ø 6.2 mm
Length (L)	1 m, (+50mm or 4% of length/-0.0, Whichever is greater)
Cable jacket	PVC, Yellow
Conductor diameter	0.076 "
Conductor material	TC (tinned copper)
Conductor insulation material	PVC
Conductor size	3 x 18 AWG [Similar to 0.75 mm²]
Number of strands x O.D.	19 x 0.0092 "
Conductor colors	BK, BN, BU
Electrical properties at +20 °C	
Rated voltage	600 V
Current	9 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
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.

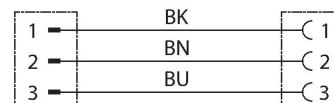
Connector A



Connector B



Circuit Diagram



Technische Daten

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