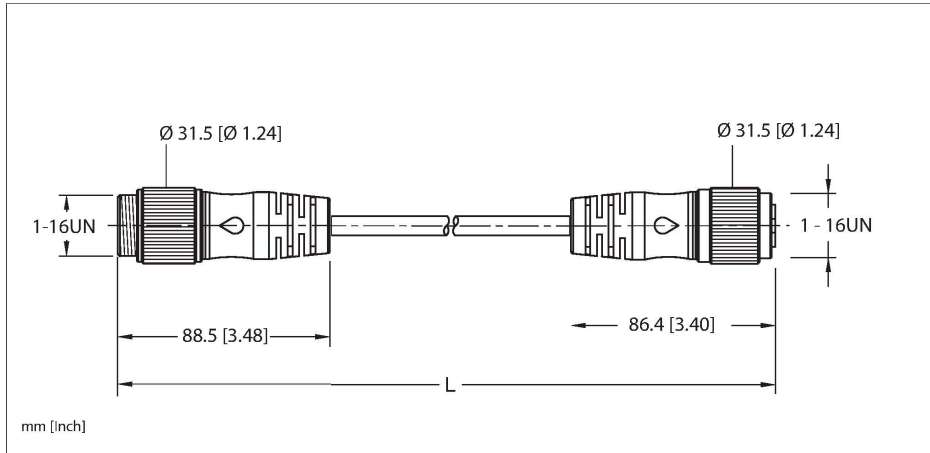


RSM RKM 6B6-5M/S101

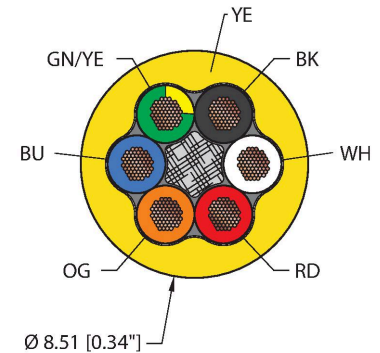
Actuator and Sensor Cable – Extension Cable



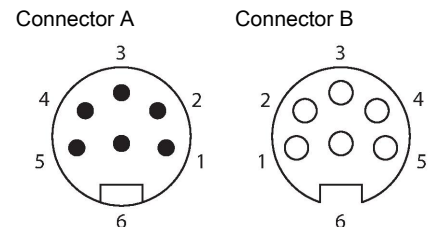
Features

- UL CE RoHS compliant IP67/IP68 IP69K DEGREE OF PROTECTION
- 1" Male, Straight, 6-pin
- 1-1/8" Female, Straight, 6-pin
- Yellow TPE jacket, 6X16 AWG
- 40 Cold Bend Rating
- Flame Ratings: UL1061, CSA FT1
- Flexlife® and C-Track Approved

Cable cross section



Contact assignment



Circuit Diagram



Technische Daten

Type	RSM RKM 6B6-5M/S101
ID	100036173
Special version	S101 = Flexlife - High flex cable
Connector A	Male, 1"-16 UN, Straight
Number of contacts	6
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Yellow
Connector body	Plastic, TPU, Yellow
Coupling nut	Brass, CuZn, Nickel-plated
Mechanical life	> 100 Mating cycles
Protection class (When coupled)	IP67, IP68, IP69, IP69K
	NEMA: 1, 3, 4, 6P, 12
Connector B	Female, 1"-16 UN, Straight
Number of contacts	6
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
Protection class (When coupled)	IP67, IP68, IP69, IP69K
	NEMA: 1, 3, 4, 6P, 12
Cable data	
Cable ID	RF51044
Total number of conductors	6

Technische Daten

Cable diameter	Ø 8.51 mm
Length (L)	5 m, (+50mm or 4% of length/-0.0, Whichever is greater)
Cable jacket	TPE, Yellow
Conductor diameter	0.082 "
Conductor material	BC (bare copper)
Conductor insulation material	TPC-ET
Conductor size	6 x 16 AWG [Similar to 1.50 mm²]
Number of strands x O.D.	65 x 34 AWG
Conductor colors	WH, RD, GN/YE, OG, BK, BU
Electrical properties at +20 °C	
Rated voltage	600 V
Current	8 A
Mechanical and chemical properties	
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
	*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 CE 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.
	- We reserve the right to make technical alterations without prior notice.