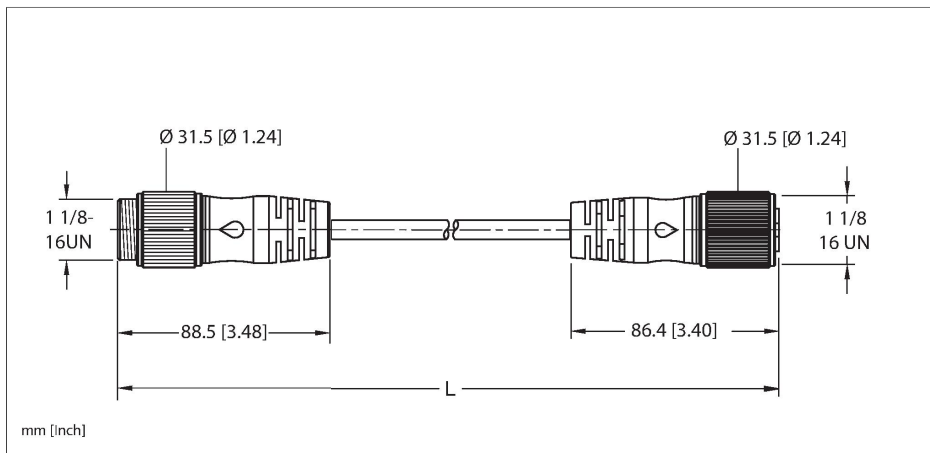


RSM RKM 190-20M/S101

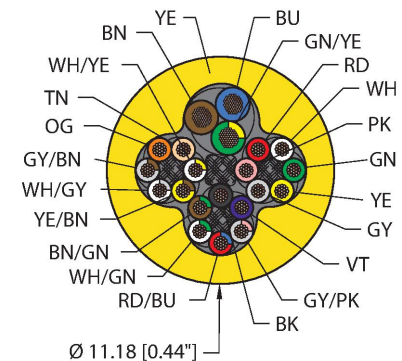
Actuator and Sensor Cable – Extension Cable



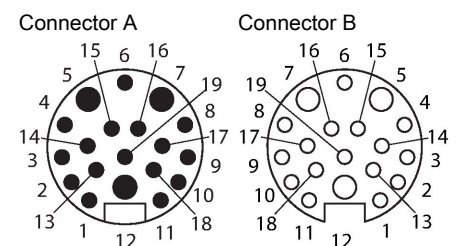
Features

- UL US CE UK CA RoHS compliant IP67/IP68 IP69/IP69K DEGREE OF PROTECTION
- 1-1/8" Male, Straight, 19-pin
- 1-1/8" Female, Straight, 19-pin
- Yellow TPE jacket, 3X18+18X22 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL1061, CSA FT1
- Flexlife® and C-Track Approved

Cable cross section



Contact assignment



Technische Daten

Type	RSM RKM 190-20M/S101
ID	UX01808
Connector A	Male, 1 1/8"-16 UN, Straight
Number of contacts	19
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Yellow
Connector body	Plastic, TPU, Yellow
Coupling nut	Brass, CuZn, Nickel-plated
Tightening torque	3 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, 1 1/8"-16 UN, Straight
Number of contacts	19
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Yellow
Connector body	Plastic, TPU, Yellow
Coupling nut	Brass, CuZn, Nickel-plated
Protection class (When coupled)	IP67, IP68, IP69, IP69K NEMA: 1, 3, 4, 6P, 12
Cable data	
Cable ID	RF50916
Total number of conductors	21

Technische Daten

Cable diameter	Ø 11.18 mm
Length (L)	20 m, (+50mm or 4% of length/-0.0, Whichever is greater)
Cable jacket	TPE, Yellow
Conductor diameter	0.069 "
Conductor material	TC (tinned copper)
Conductor insulation material	TPC-ET
Conductor size	3 x 18 AWG [Similar to 0.75 mm²]
Number of strands x O.D.	65 x 36 AWG
Conductor diameter	0.046
Conductor insulation material	PP
Conductor size	18x 22 AWG [Similar to 0.34 mm²]
Conductor colors	VT, RD, GY, RD/BU, BU, GN, BN, WH/ GN, WH/YE, WH/GY, BK, GN/YE, YE/ BN, BN/GN, WH, YE, PK, GY/BN, GY/PK

Electrical properties at +20 °C

Rated voltage	300 V
Current	4 A (Contacts 5,7,12) / 2 A (All other contacts)

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
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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.

Circuit Diagram

1	VT	1
2	RD	2
3	GY	3
4	RD/BU	4
5	BU	5
6	GN	6
7	BN	7
8	WH/GN	8
9	WH/YE	9
10	WH/GY	10
11	BK	11
12	GN/YE	12
13	YE/BN	13
14	BN/GN	14
15	WH	15
16	YE	16
17	PK	17
18	GY/BN	18
19	GY/PK	19

Technische Daten

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