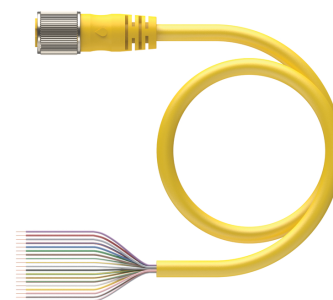
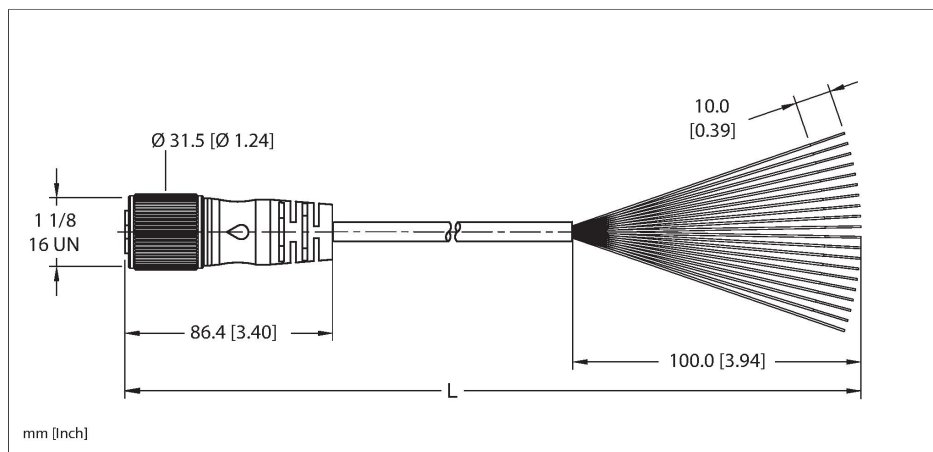


RKM 190-xM/S101

Actuator and Sensor Cable – Connection Cable



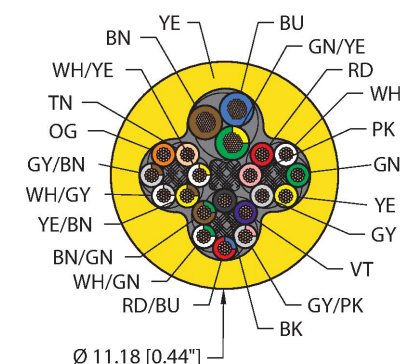
Technische Daten

Type	RKM 190-xM/S101
ID	777021744
Connector A	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
Mechanical life	> 100 Mating cycles
Protection class (When coupled)	IP67, IP68, IP69, IP69K
	NEMA: 1, 3, 4, 6P, 12
Cable data	
Cable ID	RF50916
Total number of conductors	21
Cable diameter	Ø 11.18 mm
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]

Features

- UL CE RoHS compliant IP67/IP68 IP69/IP69K DEGREE OF PROTECTION
- 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

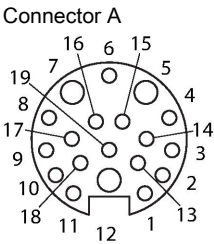
Cable cross section



Contact assignment

Technische Daten

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 con- tacts)
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	CE RoHS UL Listed UL 2238
Note	
	- Flex ratings may be reduced if used in extreme temperatures, exposure to cer- tain 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.



Circuit Diagram

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