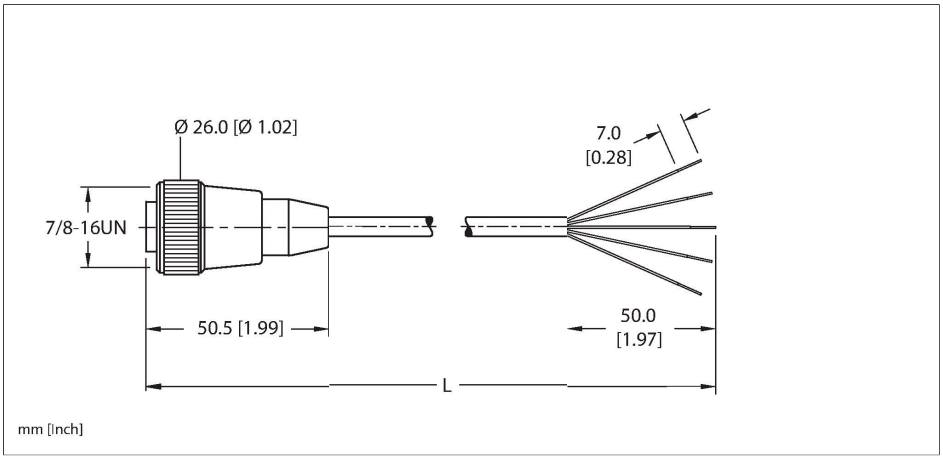
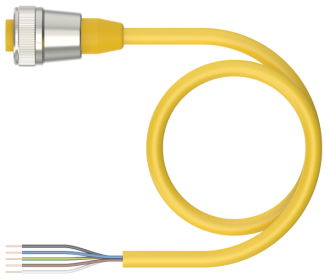
RKM 50-2M
Actuator and Sensor Cable – Connection Cable





Technical data

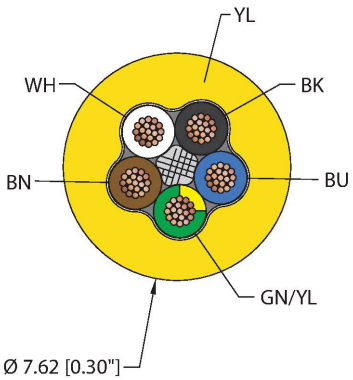
Type	RKM 50-2M
ID	U2056
Connector A	Female, 7/8"-16 UN, Straight
Number of Pins	5
Contacts	Brass, CuSn, Gold-plated
Contact carriers	Plastic, TPU, Yellow
Connector body	Plastic, TPU, Yellow
Coupling nut/screw	Brass, CuZn, Nickel-plated
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3
Protection class	IP67, IP68, IP69, IP69K
	NEMA: 1, 3, 4, 6P, 12
Cable	
Cable ID	RF50549
Number of cores	5
Cable diameter	Ø 7.62 mm
Cable length	2 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	5 x 18 AWG [Similar to 0.75 mm²]
Arrangement of strands	19 x 0.0092 "
Core colors	BK, BU, GN/YL, BN, WH
Electrical properties at +20 °C	
Rated voltage	600 V
Current	9 A

Features

IP67/IP68
IP69/IP69K
DEGREE OF PROTECTION

- 7/8" female connector, straight, 5-pin
- Instrumentation Tray Cable
- PVC jacket, yellow, 5 × 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 length: 2 m

Cable Cross-Section



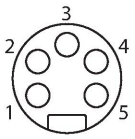
Contact assignment

RKM 50-2M | 15-06-2022 15-48 | Technical modifications reserved

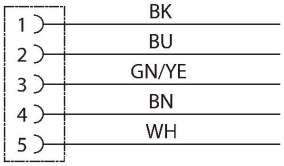
Technical data

Mechanical and chemical properties	
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 *
	When correctly installed at 20 °C, 50 % RH and a cycle speed of ≤ 0.5 cycles per second.
C-track	Yes
Ambient temperature range (stationary)	-40 °C…+105 °C
Ambient temperature range (In motion)	5 °C…+105 °C
Ambient temperature during installation	-10 °C…+105 °C
Approval	
Approvals	UL 2238 CSA C22.2 No. 182.3 CE RoHS
Note	
	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.

Connector A



Circuit Diagram



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