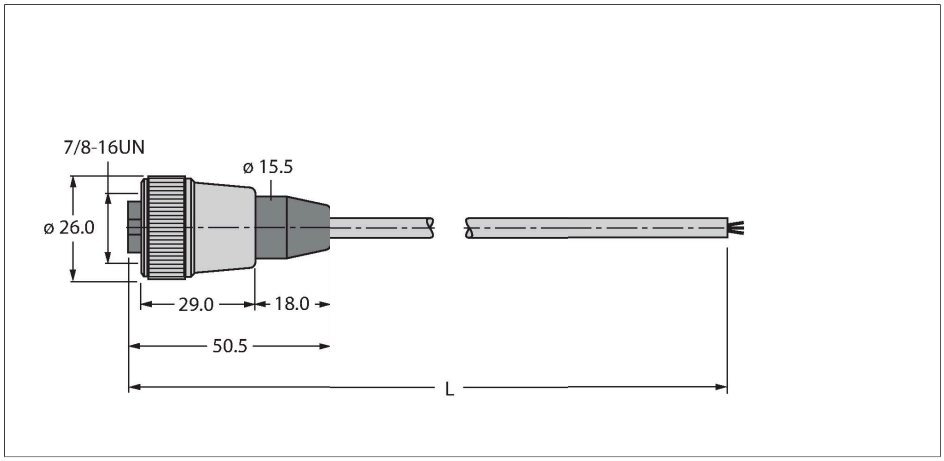
RKM 30-2M
power cable – PVC Cable Jacket



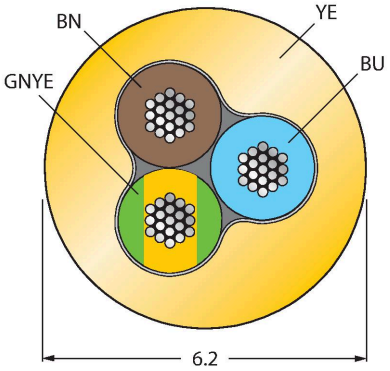
Technical data

Type	RKM 30-2M
ID	U2027
Connector A	Female, 7/8"-16 UN, Straight
Number of Pins	2+PE
Contacts	Metal, CuZn, 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, Only in screwed condition
	NEMA: 1, 3, 4, 6P, 12
Cable	
Cable ID	RF50880
Number of cores	3
Cable diameter	Ø 6.2 mm ± 0.20
Cable length	2 m
Cable jacket	PVC, Yellow
Conductor diameter	0.076 "
Conductor material	TC (tinned copper)
Core insulation	PVC
Core cross-section	3 x 0.83 mm² x 18 AWG [Similar to 0.75 mm²]
Arrangement of strands	19 x 0.25 mm x 0.0092 "
Core colors	BN, BU, GNYE
Electrical properties at +20 °C	
Rated voltage	600 V
Current	9 A

Features

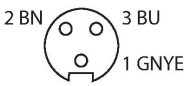
- Power cable: 3 x 0.83 mm², 3 x 18 AWG
- Jacket material: PVC
- Jacket color: yellow
- Jacket diameter: 6.2 mm
- UV-resistant
- Flame-retardant acc. to CSA FT4
- UL, CSA approval
- RoHS-compliant
- Protection class: NEMA 1, 3, 4, 6P and IEC IP67
- Open end
- 7/8" female, straight
- Cable length: 2.0 m
- 7/8" female connector, straight, 3-pin
- Tray-Kabel zur Instrumentierung
- PVC-Außenmantel, gelb, 3X18 AWG
- UV-beständig
- -40 °C Kaltbiegefestigkeit
- Ölbeständig
- Brandklassen: UL 1685 FT4, UL1061, CSA FT4
- Flexlife® und C-Track zugelassen

Cable Cross-Section



Contact assignment

Connector A



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	-20 °C…+105 °C
Other Featues	
UV resistance	yes
Flame-retardant	yes
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.

Circuit Diagram