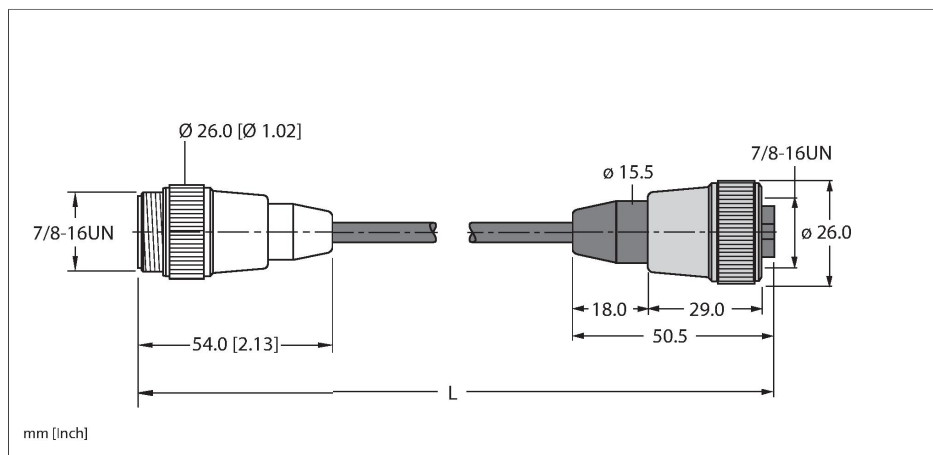


RSM RKM 50-6M/S90

PROFIBUS-DP power cable – PUR cable jacket



Technische Daten

Type	RSM RKM 50-6M/S90
ID	U99-12831
Connector A	Male, 7/8"-16 UN, Straight
Number of contacts	5
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Yellow
Connector body	Plastic, TPU, Yellow
Coupling nut	Brass, CuZn, Nickel-plated
Tightening torque	2 Nm
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class (When coupled)	IP67, When coupled
	NEMA: 1, 3, 4, 6P, 12
Connector B	Female, 7/8"-16 UN, Straight
Number of contacts	5
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Yellow
Connector body	Plastic, TPU, Black
Coupling nut	Brass, CuZn, Nickel-plated
Tightening torque	2 Nm
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class (When coupled)	IP67, Only when screwed together
	NEMA: 1, 3, 4, 6P, 12

Features

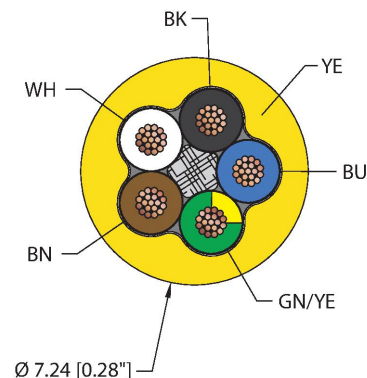


- Power cable: 5 × 18 AWG
- Jacket material: TPU,
- Jacket color: yellow
- Jacket diameter: 7.2 mm
- UL, CSA approval
- RoHS compliant
- Protection class IP67
- 7/8" female, straight
- 7/8" male, straight
- Cable length: 6.0 m
- 7/8" Male, Straight, 5-pin
- 7/8" Female, Straight, 5-pin
- General Purpose Cable
- Yellow TPU jacket, 5X18 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL1061, CSA FT1
- Flexlife® and C-Track Approved

Cable cross section

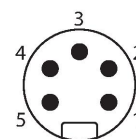
Technische Daten

Cable data	
Cable ID	RF50751
Total number of conductors	5
Cable diameter	Ø 7.2 mm ±0.30
Length (L)	6 m, (+50mm or 4% of length/-0.0, Whichever is greater)
Cable jacket	TPU, Yellow
Conductor diameter	0.076 "
Conductor material	TC (tinned copper)
Conductor insulation material	PVC
Conductor size	5 x 0.82 mm ² x 18 AWG [Similar to 0.75 mm ²]
Number of strands x O.D.	19 x 0.25 mm x 0.0092 "
Conductor colors	BK, BU, GN/YE, BN, WH
Electrical properties at +20 °C	
Rated voltage	600 V
Current	9 A
Mechanical and chemical properties	
Bending radius (static)	≥ 5 x Ø
Bending radius (dynamic)	≥ 10 x Ø
UL cold bend rating	-40 °C
Flex rating 20 x Ø	10 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)	-40...+90 °C
Temperature range (installation)	-10...+90 °C
Other Features	
UV resistance	yes
Flame-retardant	yes
Approval	
Approvals	UL CSA
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.	

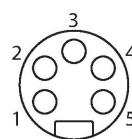


Contact assignment

Connector A



Connector B



Circuit Diagram



Technische Daten

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