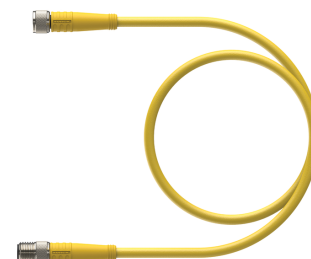
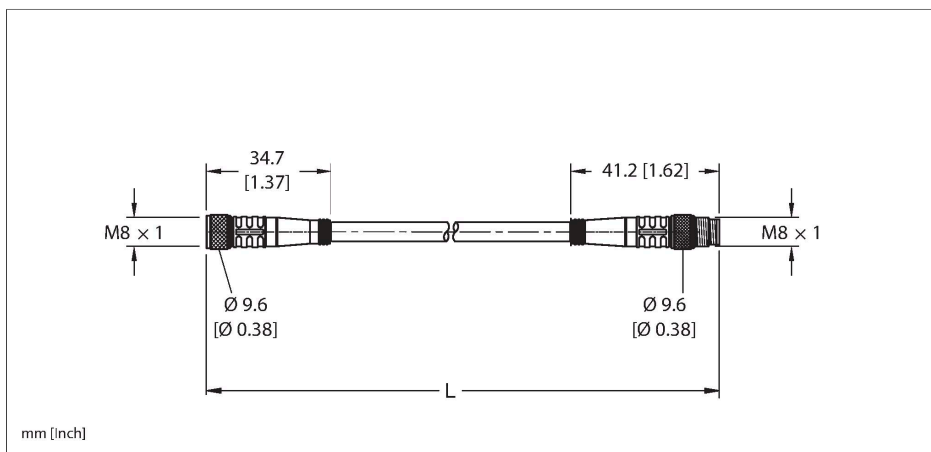


# PKG 4M-6.5-PSG 4M

## Actuator and Sensor Cable – Extension Cable



### Technical data

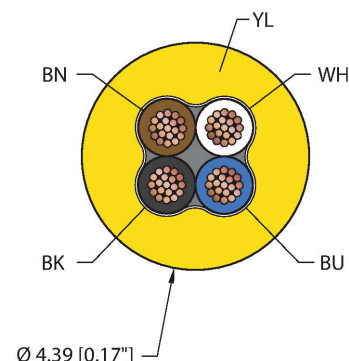
Type	PKG 4M-6.5-PSG 4M
ID	100033827
Connector A	Female, M8 × 1, Straight
Design specification	Acc. to IEC 61076-2-104
Number of contacts	4
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, Nylon or TPU, Black
Connector body	Plastic, TPU, Yellow
Coupling nut	Brass, CuZn, Nickel-plated
Connector seal	O-ring, Plastic, FKM/FPM
Tightening torque (range)	0.4 ... 0.8 Nm (note max. torque of mating connector!)
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class (When coupled)	IP67
	NEMA: 1, 3, 4, 6P
Connector B	Male, M8 × 1, Straight
Design specification	Acc. to IEC 61076-2-104
Number of contacts	4
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, Nylon or TPU, Black
Connector body	Plastic, TPU, Yellow
Coupling nut	Brass, CuZn, Nickel-plated
Tightening torque	0.4 ... 0.8 Nm (note max. torque of mating connector!)

### Features



- M8, Female, Straight, 4-pin
- Threaded connector
- M8, Male, Straight, 4-pin
- Threaded Connector
- General Purpose Cable
- Yellow PVC jacket, 4X26 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL1061, CSA FT1
- Flexlife® and C-Track Approved

### Cable cross section



### Contact assignment

## Technical data

Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class (When coupled)	IP68
	NEMA: 1, 3, 4, 6P

Cable data	
Cable ID	RF50697
Total number of conductors	4
Cable diameter	Ø 4.39 mm
Length (L)	6.5 m
Cable jacket	PVC, Yellow
Conductor diameter	0.039 "
Conductor material	TC (tinned copper)
Conductor insulation material	PVC
Conductor size	4 x 26 AWG [Similar to 0.14 mm <sup>2</sup> ]
Number of strands x O.D.	19 x 38 AWG
Conductor colors	BN, WH, BU, BK

Electrical properties at +20 °C	
Rated voltage	125 VAC/DC
Current	2 A

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 correctly installed at 20 °C, 50 % RH.
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 CSA C22.2 No. 182.3 CE UKCA RoHS

Note	
	- Flex ratings may be reduced if used in extreme temperatures, exposure to certain chemicals, operating above the

Connector A



Connector B



## Circuit Diagram



Technical data

rated cycle speed, or operating below the rated cable bend radius.

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

Accessories

M8-CORDSETS-MOUNTING-CLIP-(10/BAG)	200005995
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10 Pack of black mounting clips and M4x8mm mounting screws, used to secure cable to cable connection points.

