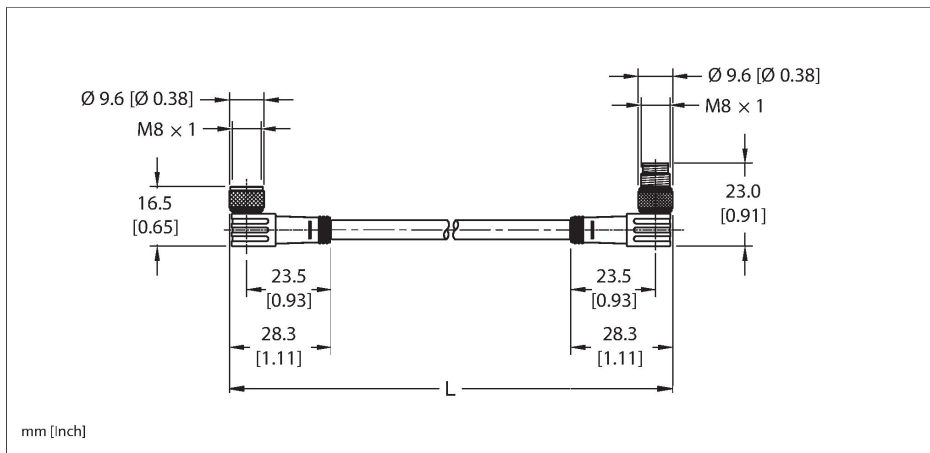


PKW 6M-1-PSW 6M/S90/S101

Double-ended Cordset – Extension Cable



Technische Daten

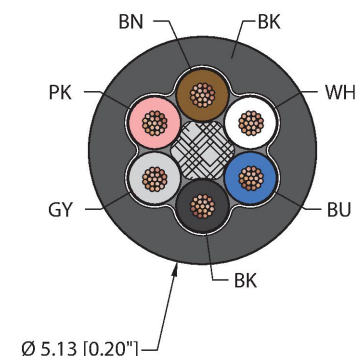
Type	PKW 6M-1-PSW 6M/S90/S101
ID	100036778
Special version	S90 = TPU cable jacket S101 = Flexlife - High flex cable
Connector A	Female, M8 x 1, Right angle
Design specification	Acc. to IEC 61076-2-104
Number of contacts	6
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, Nylon or TPU, Black
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 x 1, Right angle
Design specification	Acc. to IEC 61076-2-104
Number of contacts	6
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, Nylon or TPU, Black
Connector body	Plastic, TPU, Yellow
Coupling nut	Brass, CuZn, Nickel-plated

Features



- Right angle Female M8 threaded picofast Connector
- Right angle Male M8 threaded picofast Connector
- M8, Female, Right-angle, 6-pin
- Threaded Connector
- M8, Male, Right-angle, 6-pin
- Threaded Connector
- TPU jacket, Black, 6X26 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL1061, CSA FT1
- Flexlife® and C-Track Approved

Cable cross section



Technische Daten

Tightening torque	0.4 ... 0.8 Nm (note max. torque of mating connector!)
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class (When coupled)	IP68
	NEMA: 1, 3, 4, 6P
Cable data	
Cable ID	RF51082
Total number of conductors	6
Cable diameter	Ø 5.13 mm
Length (L)	1 m, (+50mm or 4% of length/-0.0, Whichever is greater)
Cable jacket	PVC, Black
Conductor diameter	0.037 "
Conductor material	TC (tinned copper)
Conductor insulation material	TPC-ET
Conductor size	6 x 26 AWG [Similar to 0.14 mm ²]
Number of strands x O.D.	19 x 38 AWG
Conductor colors	BN, WH, BU, BK, GY, PK
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 properly installed @ 20°C, 50%RH, and a cycle speed of ≤0.5 cycles per second.
C-Track	Yes
Ambient temperature range (static)	-40...+90 °C
Ambient temperature range (dynamic)	5...+90 °C
Temperature range (installation)	-10...+90 °C
Approval	
Approvals	UL Listed CSA RoHS

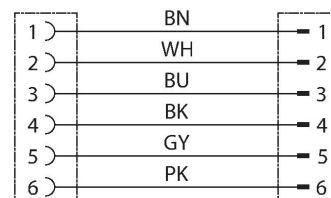
Contact assignment

Connector A

Connector B



Circuit Diagram



Technische Daten

Note

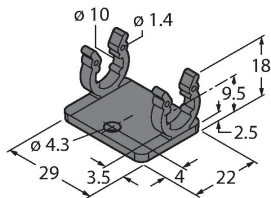
- Flex ratings may be reduced if used in extreme temperatures, exposure to certain chemicals, operating above the rated cycle speed, or operating below the rated cable bend radius.

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

Montagezubehör

M8-CORDSETS-MOUNTING-CLIP-(10/BAG)

200005995



10 Pack of black mounting clips and M4x8mm mounting screws, used to secure cable to cable connection points.