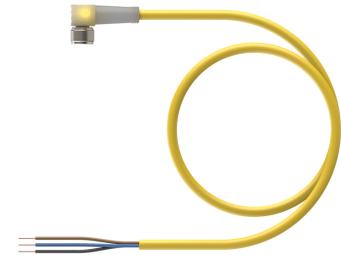
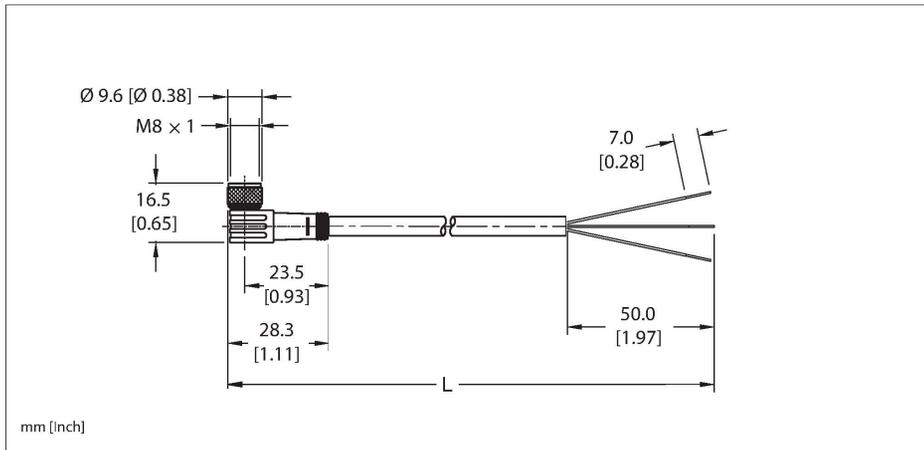


# PKW 3M-P7X2-x/S1587

## Actuator and Sensor Cable – Connection Cable



### Technische Daten

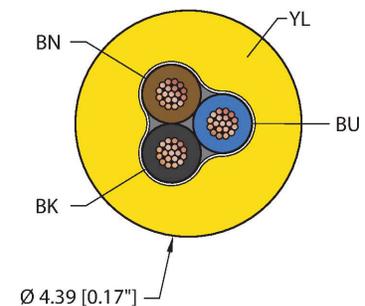
Type	PKW 3M-P7X2-x/S1587
ID	777030119
Special version	S1587 = Weldlife cable
Switching function	PNP
Connector A	Female, M8 x 1, Right angle
Design specification	Acc. to IEC 61076-2-104
Number of contacts	3
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, Nylon or TPU, Yellow
Connector body	Plastic, TPU, Translucent
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!)
Power Indicator	LED, Green
Signal Indicator	LED, Yellow
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class (When coupled)	IP67
	NEMA: 1, 3, 4, 6P
<b>Cable data</b>	
Cable ID	RF51271
Total number of conductors	3
Cable diameter	Ø 4.39 mm
Cable jacket	TPE, Yellow

### Features



- M8, Female, Right-angle, 3-pin
- Threaded Connector
- With 2-color LED (PNP, yellow, green)
- Weldlife™, Yellow TPE jacket, 3X24 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL 1685 FT4, UL1061, CSA FT4
- Flexlife® and C-Track Approved

### Cable cross section



### Contact assignment

## Technische Daten

Conductor diameter	0.044 "
Conductor material	TC (tinned copper)
Conductor insulation material	PVC
Conductor size	3 x 24 AWG [Similar to 0.25 mm <sup>2</sup> ]
Number of strands x O.D.	19 x 36 AWG
Conductor colors	BN, BU, BK

### Electrical properties at +20 °C

Rated voltage	DC
Rated voltage	10...30 VDC
Current	4 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)	5...+105 °C
Temperature range (installation)	-10...+105 °C

### Approval

Approvals	UL 2238 CSA C22.2 No. 182.3 CE UKCA RoHS
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### Note

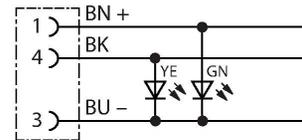
- Flex ratings may be reduced if used in extreme temperatures, exposure to certain chemicals, operating above the rated cycle speed, or operating below the rated cable bend radius.

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

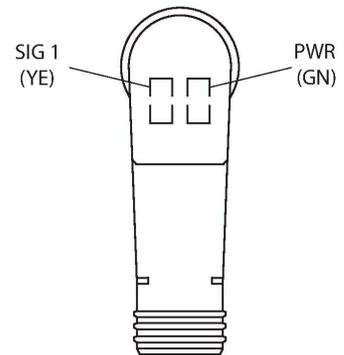
Connector A



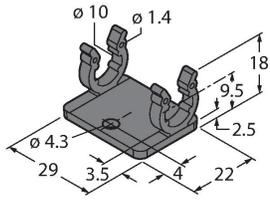
## Circuit Diagram



## LED configuration



## Montagezubehör

**M8-CORDESETS-MOUNTING-CLIP-(10/BAG)****200005995**

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