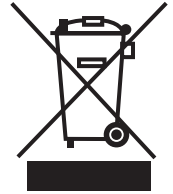




CAB-LEDD1

### Description

The CAB-LEDD1 2 m-long cable has a four-pin M8 connector that can be used to connect custom LEDs to many of Thorlabs' standard LED drivers. The end of the cable opposite the M8 connector has four bare-wire leads that can be soldered to components such as our Metal-Core PCB-Mounted LEDs.



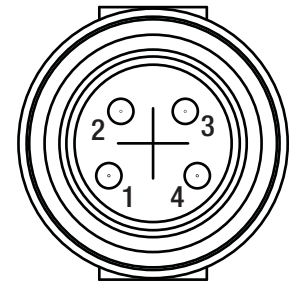
### Specifications

CAB-LEDD1 Specifications	
<b>Electrical Data</b>	
Contact Resistance	≤5 mΩ
Nominal Current at 40 °C	4 A
Nominal Voltage	30 V
Rated Voltage	36 V
Test Voltage	0.8 kV <sub>eff</sub> / 60 s
Insulation Resistance	>10 <sup>9</sup> Ω
Pollution Degree	3
<b>Materials</b>	
Housing / Molded Body	TPU
Insert	PA / TPU
Contact	CuZn, Pre-Nickel and 0.8 μm Gold-Plated
Receptacle Shell, Knurled Screw & Nut, Hexagon Screw & Nut, and Sleeve	CuZn, Nickel-Plated
<b>Mechanical Data</b>	
Length	2 m
Degree of Protection	IP67 (Only in Locked Position with its Proper Counterpart)
<b>Technical Data</b>	
Operating Temperature Range	-40 to 90 °C

Cable Pin Out		
Pin	Wire Color	Pin Assignment <sup>a</sup>
1	Brown	LED (+) Anode
2	White	LED (-) Cathode
3	Black	EEPROM Ground
4	Blue	EEPROM I/O

a. When used with Thorlabs' LEDD1B and DC2200 LED drivers or DC4100 and DC4104 drivers via the DC4100-HUB.

M8 x 1 Male Connector Pin Diagram



### Drawing

