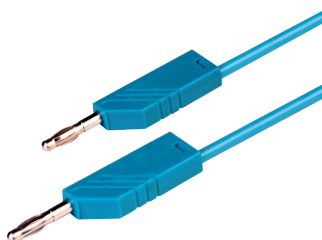




# Measuring Leads

## 4 mm Solder Resistant System



### Type

MLN SIL 25/1      MLN SIL 50/1      MLN SIL 100/1      MLN SIL 150/1      MLN SIL 200/1

Measuring lead, at either end 4mm diameter plug with caged spring and 4mm diameter socket for tower construction. Nickel-plated copper beryllium contact spring. Highly flexible, double insulated stranded lead, grip and lead shatter-proof. Built in colour indicator for easy identification of insulation damages.

Cable length	0.25m (9.8")	0.5m (19.7")	1.0m (39.4")	1.5m (59.1")	2.0m (78.7")
Cable size	1 mm <sup>2</sup> (18 AWG)	1 mm <sup>2</sup> (18 AWG)	1 mm <sup>2</sup> (18 AWG)	1 mm <sup>2</sup> (18 AWG)	1 mm <sup>2</sup> (18 AWG)
Cable material	Silicone	Silicone	Silicone	Silicone	Silicone
Pin dimensions	4 mm (0.157")	4 mm (0.157")	4 mm (0.157")	4 mm (0.157")	4 mm (0.157")
Cable type	LEH-XY	LEH-XY	LEH-XY	LEH-XY	LEH-XY

### PART NO. / Housing color

● 934090100	● 934091100	● 934092100	● 934093100	● 934094100
● 934090101	● 934091101	● 934092101	● 934093101	● 934094101
● 934090102	● 934091102	● 934092102	● 934093102	● 934094102
● 934090103	● 934091103	● 934092103	● 934093103	● 934094103
● 934090104	● 934091104	● 934092104	● 934093104	● 934094104

### Technical Data

Contact Type	2x spring-loaded pin	2x spring-loaded pin	2x spring-loaded pin	2x spring-loaded pin	2x spring-loaded pin
Voltage Rating	30 VAC / 60 VDC	30 VAC / 60 VDC	30 VAC / 60 VDC	30 VAC / 60 VDC	30 VAC / 60 VDC
Measurement Category (IEC61010)	CAT I	CAT I	CAT I	CAT I	CAT I
Current Rating*	16A	16A	16A	16A	16A
Contact Resistance	8.5 mOhm	13 mOhm	22 mOhm	34 mOhm	40 mOhm

### Material Specifications

Contact Pin	nickel plated brass
Contact Spring	nickel plated copper-beryllium
Housing	Polyamide

### Environmental Conditions

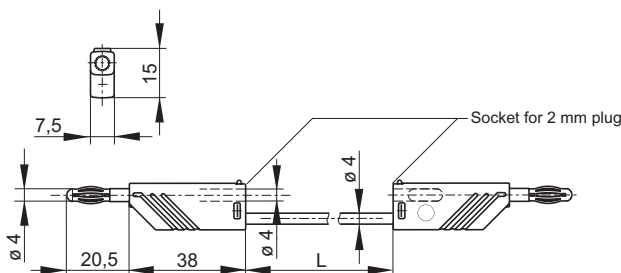
Temperature Range	-15 °C to +70 °C (5°F to 158°F)
-------------------	---------------------------------

### Flamability Rating

Housing	UL 94 V-2
---------	-----------

### Drawing

Measurements are shown in millimeters.  
Multiply by 0.03937 to convert to inches.



\* Please consider derating graph on page 80.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Altech:

[934093103](#) [934091100](#) [934094101](#) [934091103](#) [934092100](#) [934093101](#) [934092103](#) [934093102](#) [934091102](#)  
[934094104](#) [934092104](#) [934094103](#) [934094102](#) [934094100](#) [934092102](#) [934092101](#) [934090100](#) [934093100](#)  
[934091104](#) [934091101](#) [934090101](#) [934093104](#)