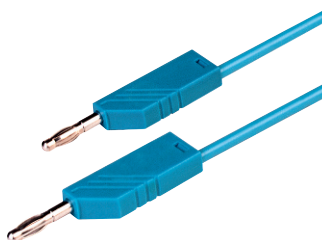




# Measuring Leads

## 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

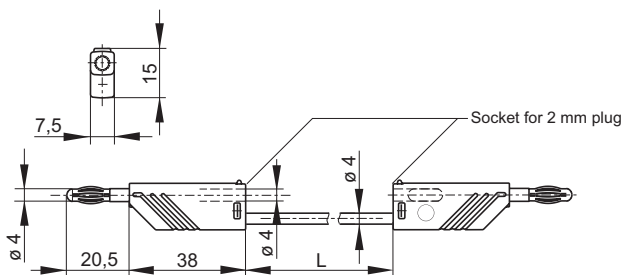
|                   |                                 |
|-------------------|---------------------------------|
| Temperature Range | -15 °C to +70 °C (5°F to 158°F) |
|-------------------|---------------------------------|

### 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.