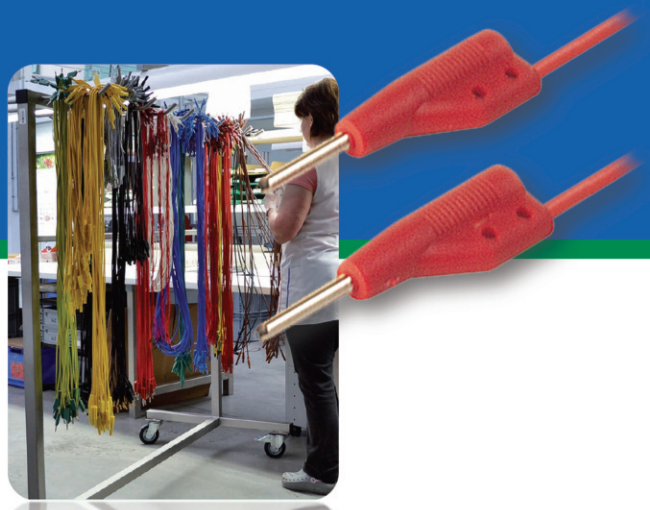


# Measuring Leads
## 4.0 mm Safety Plug System



CE

| Type | MLS GG 25/1<br>MLS GG 25/2,5 | MLS GG 50/1<br>MLS GG 50/2,5 | MLS GG 100/1<br>MLS GG 100/2,5 | MLS GG 200/1<br>MLS GG 200/2,5 |
|---|---|---|---|---|

Safety measuring lead, at either end 4 mm diameter safety connector with straight outlet. Nickel-plated copper beryllium contact spring. Highly flexible, double insulated stranded lead, shatter-proof grip sleeve and lead. Built in colour indicator for easy identification of insulation damages.

| | | | | |
|---|---|---|---|---|
| Cable length | **0.25m (9.8")** | **0.5m (19.7")** | **1.0m (39.4")** | **2.0m (78.7")** |
| Cable size | 1 mm² (18 AWG) | 1 mm² (18 AWG) | 1 mm² (18 AWG) | 1 mm² (18 AWG) |
| Cable material | PVC | PVC | PVC | PVC |
| Pin dimensions | 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 |

**1 mm² (18 AWG)**

| **PART NO.** / Housing color | | | | |
|---|---|---|---|---|
| ● | **934070100** | **934072100** | **934074100** | **934076100** |
| ● | **934070101** | **934072101** | **934074101** | **934076101** |
| ● | **934070102** | **934072102** | **934074102** | **934076102** |
| ● | **934070103** | **934072103** | **934074103** | **934076103** |
| ● | **934070104** | **934072104** | **934074104** | **934076104** |

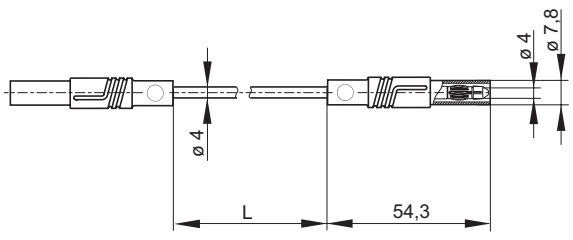
**2.5 mm² (14 AWG)**

| **PART NO.** / Housing color | | | | |
|---|---|---|---|---|
| ● | **934071100** | **934073100** | **934075100** | **934077100** |
| ● | **934071101** | **934073101** | **934075101** | **934077101** |
| ● | **934071102** | **934073102** | **934075102** | **934077102** |
| ● | **934071103** | **934073103** | **934075103** | **934077103** |
| ● | **934071104** | **934073104** | **934075104** | **934077104** |
| ● | **934071105** | **934073105** | **934075105** | **934077105** |
| ● | **934071106** | **934073106** | **934075106** | **934077106** |
| ○ | **934071107** | **934073107** | **934075107** | **934077107** |
| ● | **934071109** | **934073109** | **934075109** | **934077109** |
| ● ● | **934071188** | **934073188** | **934075188** | **934077188** |

| **Technical Data** | | | | |
|---|---|---|---|---|
| Contact Type | spring-loaded pin | spring-loaded pin | spring-loaded pin | spring-loaded pin |
| Voltage Rating | AC/DC 1000V | AC/DC 1000V | AC/DC 1000V | AC/DC 1000V |
| Measurement Category (IEC61010) | CAT III | CAT III | CAT III | CAT III |
| Current Rating* | 16 A<br>32 A | 16 A<br>32 A | 16 A<br>32 A | 16 A<br>32 A |
| Contact Resistance | 8.5 mOhm<br>6 mOhm | 13 mOhm<br>8 mOhm | 22 mOhm<br>12 mOhm | 40 mOhm<br>20 mOhm |
| **Material Specifications** | | | | |
| Contact Pin | nickel plated brass | | | |
| Contact Spring | copper-berylium | | | |
| 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.