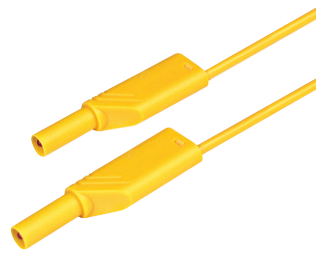


# Measuring Leads

## 4 mm - Safety Plug System



### Type

MLS WS 25/1 MLS WS 25/2,5	MLS WS 50/1 MLS WS 50/2,5	MLS WS 100/1 MLS WS 100/2,5	MLS WS 200/1 MLS WS 200/2,5
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Safety measuring lead, at either end 4 mm diameter safety connector with onward connection capability (4mm socket). 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.

	0.25m (9.8")	0.5m (19.7")	1.0m (39.4")	2.0m (78.7")
Cable length	0.25m (9.8")	0.5m (19.7")	1.0m (39.4")	2.0m (78.7")
Cable size	1 mm <sup>2</sup> (18 AWG) 2.5 mm <sup>2</sup> (14 AWG)	1 mm <sup>2</sup> (18 AWG) 2.5 mm <sup>2</sup> (14 AWG)	1 mm <sup>2</sup> (18 AWG) 2.5 mm <sup>2</sup> (14 AWG)	1 mm <sup>2</sup> (18 AWG) 2.5 mm <sup>2</sup> (14 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 mm<sup>2</sup>

PART NO. / Housing color

Color	934067100	934068100	934095100	934069100
Red	934067101	934068101	934095101	934069101
Blue	934067102	934068102	934095102	934069102
Yellow	934067103	934068103	934095103	934069103
Green	934067104	934068104	934095104	934069104

### 2.5 mm<sup>2</sup>

PART NO. / Housing color

Color	934086100	934087100	934088100	934089100
Red	934086101	934087101	934088101	934089101
Blue	934086102	934087102	934088102	934089102
Yellow	934086103	934087103	934088103	934089103
Green	934086104	934087104	934088104	934089104
Brown	934086105	934087105	934088105	934089105
Grey	934086106	934087106	934088106	934089106
White	934086107	934087107	934088107	934089107
Purple	934086109	934087109	934088109	934089109
Black	934086188	934087188	934088188	934089188

### Technical Data

	MLS WS 25/1 MLS WS 25/2,5	MLS WS 50/1 MLS WS 50/2,5	MLS WS 100/1 MLS WS 100/2,5	MLS WS 200/1 MLS WS 200/2,5
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 II**	CAT II**	CAT II**	CAT II**
Current Rating*	16 A 32 A	16 A 32 A	16 A 32 A	16 A 32 A
Contact Resistance	8 mOhm 6 mOhm	13 mOhm 8 mOhm	22 mOhm 12 mOhm	40 mOhm 20 mOhm

### Material Specifications

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

### Environmental Conditions

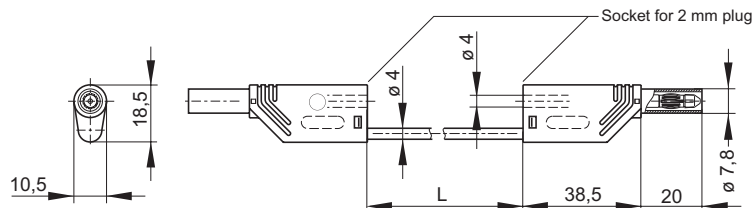
Temperature Range	-15 °C to +70 °C (5°F to 158°F)
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### Flamability Rating

Housing	UL 94 V-2
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### Drawing

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



\* Please consider derating graph on page 80.

\*\* 600V AC/DC CAT III