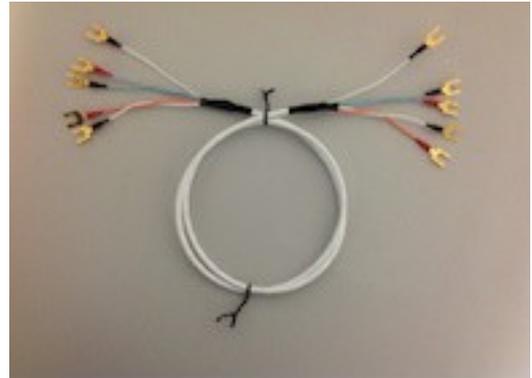


# LEC1

Low Thermal EMF Precision Cable



## Low EMF

Gold plated copper spades, ensure lowest thermal EMF voltages

## Versions

Spade or Banana terminals

## Low Leakage Current

PTFE Insulated Wires

## Cost Efficient Design

## Various Length

Standard length 1m  
Other length on request

## High Temperature

100°C max.

## ROHS

Complies to ROHS

## Captive Spades

Teeth limit movement of spades when posts are being fastened

## Protection

Rugged outer braid

## Optional Cable Ends

Optionally available are Low EMF 4mm (Banana) plugs or Kelvin Clips

The LEC1 is a cost efficient, low EMF (Electromotive Force) test cable for precision measurements, where EMF voltages must be minimized, e.g. during high accuracy measurement of voltages or precision resistors in laboratory and metrology applications.

It is available in two versions with either two (2x2) or four silver plated AWG18 wires with spade terminals, insulated by PTFE for minimal leakage currents and surrounded by a common shield, which can be connected to e.g. guard terminals (please observe test equipment instructions). Its pure copper spades are crimped to minimize EMF and are gold plated to avoid oxidation. Each spade is equipped with two teeth, facilitating application of the cable to the binding posts by limiting spade movement while the posts are being fastened (depending on the diameter of the binding posts used, the spades may have to be widened a bit such as e.g. with Keysight DMMs, while it fits as-is with Fluke® 732-type voltage standards).

Although higher voltage insulated cable is used, due to its intended use and construction (non-insulated spades), it is specified for use with SELV (Safety Extra Low Voltage) voltages up to 42V peak max.

Besides the standard 1m-version, custom lengths or cables with Banana Plugs or Kelvin Clips can be made available. Also available is a cable kit, consisting of 3m of 4-wire twisted shielded cable, shrink tubing and 20 gold plated spades as described herein. Contact us.

Parameter	Specification
Voltage	42V DC peak, 30V AC (SELV voltage)
Current	1A, any wire
Operating Temp.	100°C peak max. (1 min. max.)
Resistance	< 0.1 Ohms (any internal wire)
Order Code	LEC1-4-1.0: 4 wire, 1.0m +/- 5cm, spades LEC1-4-1.0-B: as above, but 4mm only LEC1-4-1.0-SB: 4mm and spades mixed LEC1-4-S: Cable set, 3m, with 20 Cu spades LEC1-xxx: custom version, contact us

# LEC1

## Low EMF Cable

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## Low EMF Cable

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