

## Introduction

This document contains information on the Model 2600-BAN SMU Output to Banana Test Lead/Adapter cable. This cable connects Category I SMU connections on the rear panel of a Model 260x Series SourceMeter® Instrument to banana test leads.

**WARNING** **Maximum floating (common mode) voltage for a SMU is 250V. Exceeding this level could damage the instrument and create a shock hazard.**

**Using an external source to float a SMU could create a shock hazard in the test circuit. A shock hazard exists whenever >42V peak is present in the test circuit.**

**NOTE** *If applicable, remove terminal block(s) before using the Model 2600-BAN. The Model 2602 can use two terminal blocks (one for each SMU channel), and the Model 2601 has one terminal block for the single SMU.*

*A terminal block can be removed from the rear panel by loosening the two captive retaining screws and pulling them off the rear panel.*

*When the Model 2600-BAN is connected to the SMU connection, input/output LO can be connected to chassis ground by inserting the white banana jack to the rear panel chassis ground banana jack (Figure 2).*

# Cable description

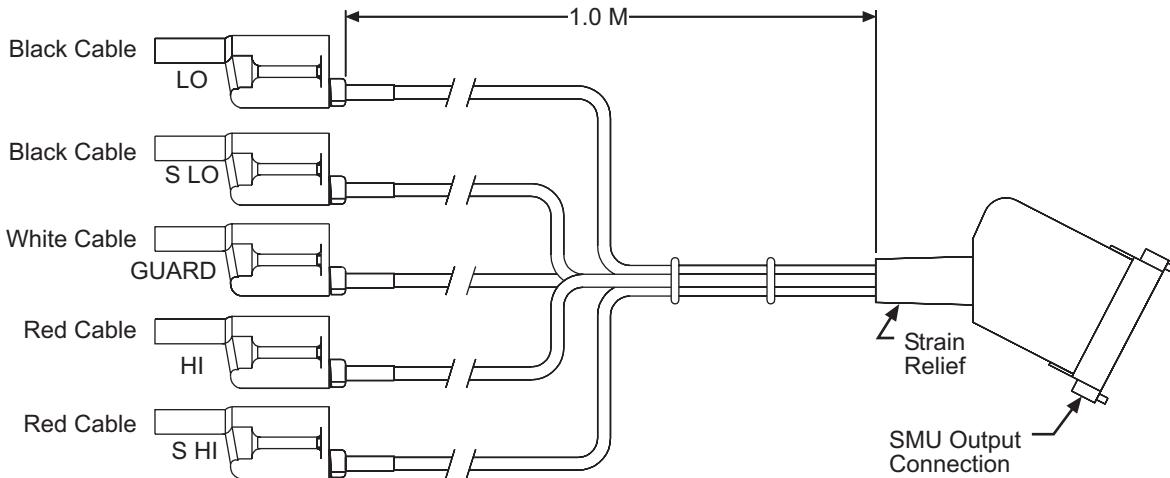
As shown in [Figure 1](#), the cable has a working dimension (dimension less the connectors) of 1.0 meter. Five color coded safety banana connectors (2 black, 2 red, 1 white) provide multiple test connection from the SMU output. [Table 2](#) contains pinouts for the cable. As shown in [Table 2](#), Pins 1–4 and Pin 8 are connected to the banana plug through cables.

**NOTE** *The Model 2600-BAN Cable assembly is not UL approved.*

*Table 1*  
**Cable specification**

Characteristic	Specification
Maximum Voltage	300V
Maximum Current	3A
Category	I

*Figure 1*  
**Cable features**



*Table 2*  
**Cable pinouts**

Pin No.	Plug	Printed	Figure
1	Black	LO	
2	Black	S LO	
3	White	GUARD	
4	Red	HI	
5	-	-	
6	-	-	
7	-	-	
8	Red	S HI	

# Connection

Refer to Figure 2 for a typical instrument connector location. Refer to the specific instrument's User's Manual for additional connection information.

**WARNING** Do not exceed the voltage rating for the cable or for the Model 260x. Make sure connections at both ends do not exceed the rated specifications.

**Failure to follow this warning may result in injury from electrical shock as well as damage to the equipment.**

**Figure 2**  
**Typical instrument connector**

