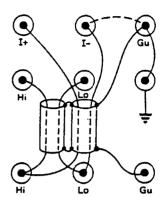
## Voltage and Resistance Outputs

Screened 4-wire Connection.

Alternative using Twin-axial cable.

On 100V/1000V Ranges, Ground the Lo line for Safety.

4708 Terminals



Load **Terminals** 

## **Current Outputs**

## **Simple 2-wire Connection**

Use for the majority of applications where:

The E-M environment is 'quiet'.

External common-mode is insignificant.

Use for measurements in the following ranges:

Current

DCI > 1mA

ACI > 100mA

Frequency

F < 5kHz

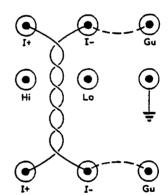
Local Sense selected automatically.

Select Local Guard.

Keep leads as short as possible, (not longer than 1 meter-twisted pair is preferable).

NOTE: Refer also to reactive load specifications in section 6.

4708 Terminals



Local Guard

Load **Terminals** 

Local Guard

## Screened 2-wire Connection

Use where:

Sensitive measurements are being made.

The E-M environment is relatively 'noisy'.

External common-mode is significant.

Use for measurements in the following ranges:

Current

 $DCI > 9\mu A$ 

ACI > 9uA

Frequency F < 5kHz

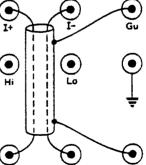
Local Sense selected automatically.

Select Local Guard.

Keep leads as short as possible, (not longer than 1 meter -

Co-ax. or Twin-ax. is preferable).

4708 Terminals



Local Guard

Load Terminals

Remote Guard