

(5) 2-wire System Resistance Measurement

The NULL function of the equipment is effective for measurement ranges in which the resistance of the MI-37 input cable (approximately 0.5 Ω) becomes an error. (See subsection 2.8.20, "NULL".)

When using the NULL function, the end of the input cable must be short-circuited and the resistance of that cable measured in advance. Subtracting this value from subsequent measurements makes it possible to prevent the resistance of the input cable from becoming an error.

CAUTION

When measuring resistances using the 10M Ω range or higher, apply a shielding case over the resistor to be measured, in order to achieve the maximum high accuracy of measurement. (See Figure 2-6.) In addition, fix the input cable to prevent its sagging during measurement, and take special notice of noise induced from peripheral measuring instruments.

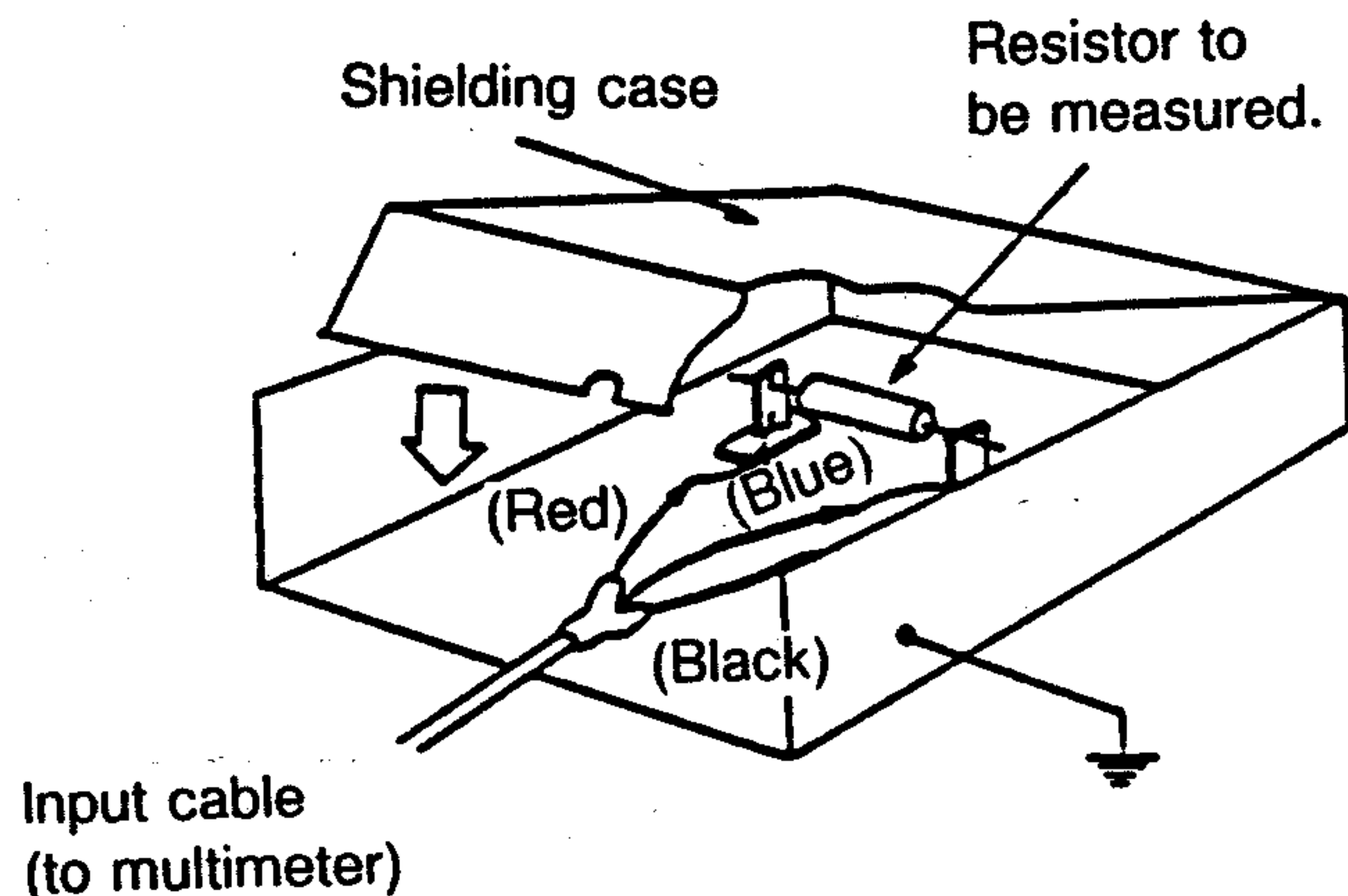


Figure 2-6 Shielding Example for Resistance Measurement