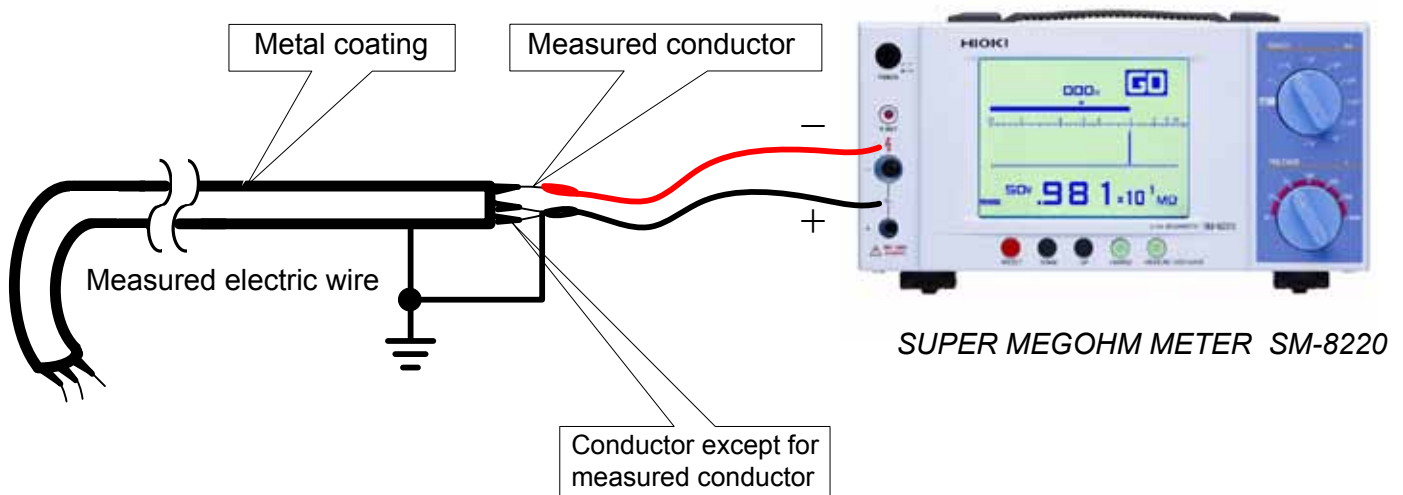


Insulation Resistance Measurement of Rubber or Plastic Insulated Wires

The insulation resistance of wires can be measured in accordance with the JIS C 3005 standard.

■ Highlights

- The insulation resistance between wire conductors can be measured with a super megohm meter.
- The SM-8220, SM-8213, and SM-8215, which have a timer function, are useful for measurement in accordance with the standard.



- Under water:
Immerse a wire in grounded pure water for 1 hour or more and then apply a DC voltage of 100 V or more between the conductor and pure water for a single core wire and between the conductors as well as between a conductor and pure water for a multi-core wire, and measure the insulation resistance within a period of time between 1 and 5 minutes.
- In air:
Apply a DC voltage of 100 V or more between the conductors in air and measure the insulation resistance within a period of time between 1 and 5 minutes. However, for a metal coated wire, measure the insulation resistance between the conductors and between the metal coatings that are grounded.

There are 2 types of insulation measurement: room temperature and high temperature insulation resistance measurements.

Products used

SUPER MEGOHM METER SM-8220