Ohms

Circular Wires
Circular mils

1000 mils = 1 inch

Malleability - property of a metal to be deformed by compression without cracking or rupturing.

Ductility - In a tensile test, ductile metals show considerable elongation eventually failing by necking, with consequent rapid increase in local stresses

Wire Table

Temperature Effect on Resistance

Superconductors

Types of resistors
  - Fixed
  - Variable
    - Potentiometer
    - Rheostat

Resistor Color Code
  0 – Black
  1 - Brown
  2 – Red
  3 – Orange
  4 - Yellow
  5 – Green
  6 – Blue
  7 – Violet
  8 – Gray
  9 – White

Conductance – Ability of a material to allow current to flow

Ohmmeters – Used to measure resistance

Thermistors - A variable resistance thermistor that changes resistance as the engine’s coolant temperature changes

Varistors - A varistor is a type of resistor with a significantly non-ohmic current-voltage characteristic