

# Electrical Conductors and Insulators

10/5/20

## Electrical Conductor

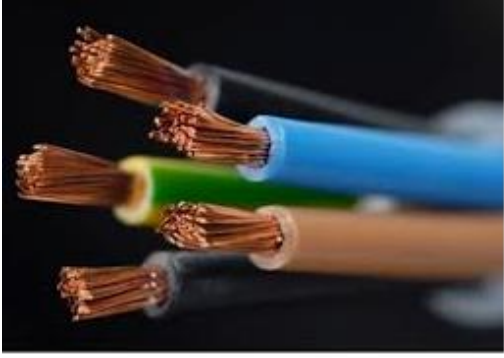
An electrical conductor is an object or type of material that allows the flow of charge in one or more directions with the application of voltage. Materials made of metal are common electrical conductors. Some common conductors are:

- copper
- aluminum
- gold
- silver
- steel
- brass

## Electrical Insulator

An electrical insulator is a material whose internal electric charges do not flow freely, very little electric current will flow through it under the influence of an electric field. Some examples of insulators are:

- plastic
- glass
- oil
- rubber
- cotton
- dry wood



Electrical Wires (conductors) with insulation