



sales@orientinsulators.com
<http://www.orientinsulators.com>

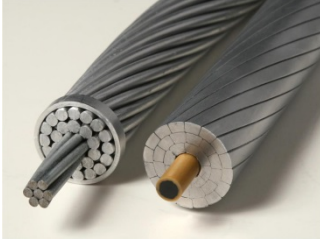
Chapter 1

Insulator Definition

1.9 Insulators and conductors

By Orient Power

Insulators and conductors



Orient Power

sales@orientinsulators.com

<http://www.orientinsulators.com>

Conductors and insulators are both of electrical products.

The properties of conductors

- ◆ In a conductor (usually metal) many of the electrons are free to move around within the conductor.
- ◆ Conductors are often referred to as having a “sea of electrons” since the movement of the electrons looks like a flowing sea.
- ◆ As the positively charged rod is brought near the conductor, the electrons are attracted toward the charged rod. This causes a force of attraction to be created between the rod and the conductor.

The properties of insulators

- ◆ In an insulator the electrons are not free to move around the entire object. They are generally restricted to move only around the atom they attached to.
- ◆ They can move from one side of the atom to the other but are unable to leave the atom. As a result, we say charges stay where you put them on an insulator.

In this pdf, mainly talk about the principle of conductors and insulators, want to understand a lot of contents of the conductors and insulators, you can visit Orient Power website.