

suspension insulator definition



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

Chapter 1

Suspension Insulator Definition

1.1 Suspension insulator definition

By Orient Power

Suspension insulator definition



Orient Power

sales@orientinsulators.com

<http://www.suspensioninsulators.com>

Definition of suspension insulator:

A suspension insulator is an insulator which can assemble with other metal parts and provides the means for non-rigidly supporting electric conductors.

Suspension insulator voltage range can be from 10KV to 1000KV, is widely used in the transmission and distribution line.

Suspension insulator can be divided into porcelain suspension insulator and silicon rubber suspension insulator according to the material.

Porcelain suspension insulator:

Porcelain suspension insulator can also be called disc insulator. By the way of insulator string, suspension insulator can adapt to different voltages. Disc suspension insulator is used to carry a line conductor at its lower end, and the top is fixed to the cross arm of the tower.

Classification of ceramic suspension insulator according to the shed-type:

- ✧ Nominal type
- ✧ Bell shaped type
- ✧ Double sheds or tri-sheds types
- ✧ Aerodynamic type

Silicon rubber suspension insulator:

Composite suspension insulator has big creepage distance and this can be got through alternative sheds.

Standard for suspension insulator:

ANSIC29.1, ANSIC29.2, IEC60383, IEC 61109...

Mechanical strength for suspension insulator:

40KN,70KN,80KN,90KN,100KN,120KN,160KN,210 KN,300KN, 530KN