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Chapter 1

Suspension Insulator Definition

1.4 Suspension insulator voltage

By Orient Power

Suspension insulator voltage



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

Distribution line: 10kv~36kv

Transmission line: 66kv~1000kv

Suspension insulator voltage class:

- ✧ 10kv, 11kv, 12kv, 15kv
- ✧ 22kv, 24kv, 25kv
- ✧ 33kv, 35kv, 36kv
- ✧ 66kv, 69kv, 110kv
- ✧ 132kv, 245kv, 161kv
- ✧ 220kv, 275kv, 330kv
- ✧ 400kv, 500kv, 750kv, 800kv, 1000kv

Voltage type of suspension insulator:

- ✧ Rated voltage
- ✧ Highest system voltage
- ✧ Low frequency dry flashover voltage
- ✧ Low frequency wet flashover voltage
- ✧ Impulse flashover voltage
- ✧ Radio-influence voltage
- ✧ Puncture voltage

Suspension insulator voltage is also very important parameters when design the insulator. For the porcelain insulator, usually through the insulator string connect, we can judge the voltage according to the quantity of string.

Composite suspension insulator voltage can be known from the insulator length.

More insulator information, welcome to visit orient power website.