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Chapter 1

Pin Insulator Definition

1.3 Pin Insulator Voltage and Strength

By Orient Power

Pin Insulator voltage and strength



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Pin insulator voltage and strength:

- Pin insulator is used on the distribution line, so its voltage and strength is relatively lower than the other insulators.
- According to the material the pin insulator can be classified as porcelain pin insulator and composite pin insulator.

Porcelain pin insulator voltage and strength:

- Nominal voltage: 11kv or 12kv, 15kv, 22kv or 24kv, 33kv or 36kv
- The strength of the porcelain pin insulator: 11KN, 33KN

Composite pin insulator voltage and strength:

- Nominal Voltage: 6kv, 10kv, 11kv, 12kv, 15kv, 20kv, 22kv, 24kv, 28kv, 30kv, 33kv, 35kv, 36kv
- The strength of polymer pin type insulator: 4kN, 6kN, 8kN, 10KN, 11kN, 12.5KN, 12KN, 13kN

Other pin insulator specifications:

- The voltage and strength are the most important technical data of the pin insulators.
- The pin insulator also has other important technical data: the creepage distance, section length, arcing distance, Dry or wet power frequency withstand voltage, lightning impulse withstand voltage