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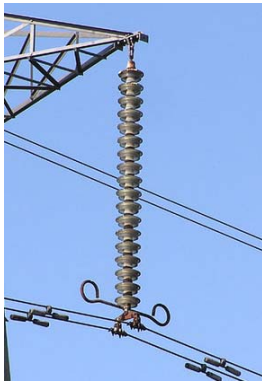
Chapter 2

Insulator String

2.1 Suspension Insulator String

By Orient Power

Suspension Insulator String



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The suspension insulator string:

- The suspension insulator string is used in the vertical direction.
- The suspension insulator can be classified as single suspension insulator string and double suspension insulator string.
- The single suspension insulator string can be used together with the other type of insulators on some certain conditions.

✚ Suspension insulator string properties:

- Each suspension disc is designed for normal voltage rating 11KV (Higher voltage rating 15KV), so by using different numbers of discs, a suspension string can be made suitable for any voltage level.
- If any one of the disc insulators in a suspension string is damaged, it can be replaced much easily.
- Mechanical stress on the suspension insulator is less since the line hanged on a flexible suspension string.
- As the current carrying conductors are suspended from supporting structure by suspension string, the height of the conductor position is always less than the total height of the supporting structure. Therefore, the conductors may be safe from lightning.