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Chapter 3

LV Insulator Assembly

3.3 Application of LV insulators

By Orient Power

Application of LV insulators



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✚ LV insulators introduction:

The LV insulators are used on low voltage transmission and distribution line power lines; normally the voltage is lower than 1KV.

LV insulators can be classified as shackle insulator, spool insulators, stay insulator and silicon guy strain insulators.

✚ Porcelain shackle LV insulators application:

Porcelain shackle insulator or ceramic shackle insulator is used with bracket to change angle or direction of conductor, the main type number of shackle insulator is ED-2B, ED-2B1, ED-2B2, ED-2B3...

✚ Porcelain spool LV insulators application:

Porcelain spool insulator ANSI53-1, ANSI53-2 or reel insulator SO5 are usually used on distribution line and fixed on wooden poles, and ceramic insulator ANSI53-1, 53-2 and reel insulator SO5 are normally used for low voltage.

✚ Porcelain stay LV insulators application:

Porcelain stay insulator is mainly used on the guy wire structure to balance the tension strength and also provide the insulating.

✚ Silicone guy strain insulator application:

Silicone guy strain insulator is a composite insulator who has silicone rubber housing but no silicone rubber sheds and used in stay wire at a height to the ground.