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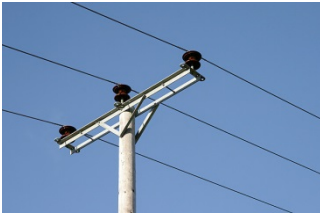
Chapter 3

LV Insulator Assembly

3.5 LV insulators Usage

By Orient Power

LV insulators Usage



Orient Power

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LV insulators are used on Low voltage overhead lines and service lines operating at voltages up to 1kV and including 0.4kV and frequency of 50HZ

LV insulators can be divided into

- ◆ shackle insulator
- ◆ stay insulator
- ◆ spool insulator
- ◆ silicon guy strain insulator

Application for LV insulators

- ◆ For low voltage lines, the stays are to be insulated from ground at a height. The insulator used in the stay wire is called as the stay insulator and is usually of porcelain and is so designed that in case of breakage of the insulator the guy-wire will not fall to the ground.
- ◆ The shackle insulator is usually used in low voltage distribution network. The tapered hole of the spool insulator distributes the load more evenly and minimizes the possibility of breakage when heavily loaded.
- ◆ The spool insulator is usually used in low voltage distribution network. The conductor in the groove of shackle insulator is fixed with the help of soft binding wire.

More information can be got from Orient Power website.