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Chapter 1

Line Post Insulator Definition

1.1 Line post insulator definition

By Orient Power

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Line post insulator can be classified as two types according to the material: porcelain line post insulator, composite line post insulator.

✚ **Porcelain line post insulator**

- Porcelain line post insulator is used with long stud or short stud (also called long spindle or short spindle), and used on high voltage overhead transmission and distribution lines,
- The porcelain line post insulators can meet ANSI, BS, IEC and other class standards.

✚ **Composite line post insulator**

- Composite line post insulator is used on high voltage transmission line and distribution line up to 132kV
- Composite line post insulator has good performance of hydrophobicity and anti-pollution, high mechanical strength and can be installed easily.
- Same dimension of the fittings as porcelain pin insulator, so they can be exchanged.
- IEC 61109 and ANSI 29.17 is the main standards of the composite line post insulator

There are also many type of both porcelain line post insulator and composite line post insulator, they are classified according to the installed position of the line post insulator. More information can be found in other series of Orient website.