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Chapter 2

Line Post Insulator Properties

2.6 Line post insulator types

By Orient Power

Line post insulator types



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Line post insulator can be classified as porcelain and composite insulator according to the materials.

✚ Porcelain line post insulator types:

- Tie top line post insulator: ANSI 57-1, ANSI 57-2, ANSI 57-3, ANSI 57-4, ANSI 57-5
- Clamp top line post insulator, vertical clamp mounting direction: ANSI 57-11, ANSI 57-12, ANSI 57-13, ANSI 57-14, ANSI 57-15
- Clamp top line post insulator, horizontal clamp mounting direction: ANSI 57-21, ANSI 57-22, ANSI 57-23, ANSI 57-24, ANSI 57-25
- Clamp top line post insulator, inclined horizontal clamp mounting direction: ANSI 57-31, ANSI 57-32, ANSI 57-33, ANSI 57-34, ANSI 57-35
- The type of line post insulator used in South South-Africa can be classified as capped line post insulator (EP356, EP480, EP802...) cap less line post insulator (EP472, EP965, EP813...)

✚ Composite line post insulator types:

- Vertical tie-top C-neck: ANSI 51-1C, ANSI 51-2C, ANSI 51-3C, ANSI 51-4C
- Vertical tie-top F-neck: ANSI 51-1F, ANSI 51-2F, ANSI 51-3F, ANSI 51-4F
- Vertical clamp-top: ANSI 51-11, ANSI 51-12, ANSI 51-13, ANSI 51-14, ANSI 51-15, ANSI 51-16
- Horizontal clamp-top: ANSI 51-21, ANSI 51-22, ANSI 51-23, ANSI 51-24, ANSI 51-25, ANSI 51-26
- Horizontal clamp-top gain base: ANSI 51-31, ANSI 51-32, ANSI 51-33, ANSI 51-34, ANSI 51-35, ANSI 51-36