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Chapter 2

Composite Insulator Types

2.12 End Fitting Types

By Orient Power

End Fitting Types



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End fittings are one of important Components of composite insulator.

End fitting is integral component or formed part of an insulator intended to connect it to a supporting structure, or to a conductor, or to an item of equipment, or to another insulator.

Connectivity types for composite insulator:

- ✧ tie-top
- ✧ clamp top
- ✧ horizontal
- ✧ vertical

End fitting types for suspension silicone rubber insulator:

- ✧ Ball and socket
- ✧ Clevis and tongue
- ✧ Y-clevis
- ✧ Eye and oval ring

End fitting types for post type composite insulator:

- ✧ Horizontal clamp for line post insulator
- ✧ Vertical clamp for line post insulator
- ✧ Horizontal base for line post type
- ✧ Base cap for pin type
- ✧ Flanges for post insulator and bushing insulator
- ✧ Tie top end fitting for pin insulator

Material of end fitting:

- ✧ Casting steel
- ✧ Forged steel

The determining factor for end fitting:

- ✧ Material
- ✧ Connection zone design
- ✧ End fitting interface design