Chapter 2

Composite Insulator Types

2.12 End Fitting Types

By Orient Power
End Fitting Types

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