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Chapter 2

Composite Insulator Types

2.11 Cross Arm Insulator

By Orient Power

Cross Arm Insulator



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Application for composite cross arm insulator:

Cross arm insulator is widely used for the urban power network rebuilt as one of main composite insulators.

Composite cross arm insulator mainly voltage:

15kV, 25kV, 35kV, 69kV, 132kV.

Color: Red, Grey, Blue

Standard: IEC61109, BS, ANSI standard.

Composite cross arm insulator can reduce the height of pole or tower and save lots of financial and material resources. And polymer cross arm insulator is not like porcelain insulator or glass insulator which is fragile and has good pollution resistance.

Polymer cross arm insulators have effective use for a narrow corridor pressure transmission and are applicable to rebuild city power net since it has the below advantages:

- ✧ Increase the mechanical strength
- ✧ Reduce weight
- ✧ Increase corrosion resistance
- ✧ Increase its life span
- ✧ Decrease single phase to the ground fault rate

From the name of cross arm insulator, we can know that the composite cross arm insulator acts as the role of cross arm and insulator, so it's don't need the wood cross arm or iron crossarm, then can also reduce some cost.

And with the development of economy, the composite cross arm insulator is widely used to replace some insulator which should be fixed on the wooden cross arm. As the composite cross arm insulator is more safety and convenient.