Chapter 1

Insulator Definition

1.7 insulator advantage

By Orient Power
Insulator advantage

Electrical porcelain insulator advantage

◆ Environmental friendly. At its disposal, the porcelain insulator is not dangerous waste
◆ Giving longer useful life in terms of loads generated by electric charges
◆ In the dry state as electric insulation material has better electrical properties than the polymer
◆ Higher resistance to degradation of the surface
◆ Resistant to rodents, termites, birds and other animals capable of compromising the integrity
◆ Suitable for extreme hot/cold changes in the environment

Composite polymer insulator advantage

◆ Small volume and light weight, easily to install and transport
◆ Better performance in high contamination areas
◆ Consistent mechanical and electrical performance throughout entire service life
◆ Excellent impact resistance
◆ Good resistance to soiling and flashover
◆ Good shock resistance collision resist
◆ Good performance of hydrophobic
◆ Interchangeability- can easily replace existing porcelain insulators

Glass insulator advantage

◆ high mechanic durability
◆ their weight and size is lesser than the same insulators made of porcelain

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