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Chapter 4

Suspension Insulator Coupling Method

4.3 Ball and socket insulator-B&S

By Orient Power

Ball and socket insulator-B&S



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Ball and socket insulator usually can be divided into porcelain insulator and polymer insulator.

Ball and socket insulator voltage can from 10kv to 1000kv.

Porcelain ball and socket insulator:

Porcelain ball and socket insulator also called ceramic suspension or disc insulator. And often use through insulator string.

Types of porcelain ball and socket insulator:

ANSI52-1, ANSI52-3, ANSI52-5, ANSI52-8

U70BL,U100BL,U120B,U160BS,U210B,U300B and so on.

Polymer ball and socket insulator:

Composite B&S insulator is suitable for the middle and above contamination areas, particularly in the heavy contamination areas.

Silicone rubber ball and socket suspension insulator is primarily used in suspension strings in straight line supports and as tension strings in anchor towers and dead-end towers.

Ball and socket fitting make the insulator high mechanical strength and is widely used in the transmission and distribution line.

The standard of ball and socket insulator:

- ✧ ANSI C29.2, IEC60383 ,
- ✧ IEC61109, IEC61952,ANSI29.11

Ball and socket end fitting standard:

- ✧ IEC60120

More socket and ball insulator information, welcome to visit Orient power website.