



[sales@orientinsulators.com](mailto:sales@orientinsulators.com)  
<http://www.suspensioninsulators.com>

# **Chapter 4**

## **Suspension Insulator Coupling Method**

---

4.1 Types of Cap and Pin for Porcelain  
Suspension Insulator

**By Orient Power**

## Types of cap and pin for porcelain suspension insulator



**Orient Power**

[sales@orientinsulators.com](mailto:sales@orientinsulators.com)

<http://www.suspensioninsulators.com>

### ✚ Porcelain suspension insulator cap and pin types:

- Ball and socket
- Clevis and tongue

### ✚ The material for the ball and socket of the porcelain suspension insulator:

- Socket cap material: spheroidal graphite iron,
- Standard split pin (the cap is used with the standard split pin) material: Stainless steel
- Ball pin: forged steel

### ✚ Standard for cap and pin fittings: IEC60120

### ✚ Coupling size for ball and socket fitting:

- 16mmA
- 16mmB
- 20mm
- 24mm

### ✚ The cap and pin porcelain suspension insulator standards:

- Ball and socket type porcelain disc suspension insulator model: U70BL, U120B, ANSI 52-3, and ANSI 52-5...
- Clevis and tongue type porcelain suspension insulator model: U70C, ANSI 52-4, ANSI 52-6...

Cap and pin type suspension insulators for porcelain material enable them to connect with each other and to form the insulator string which can be used on any voltage of the transmission and distribution lines. The standard size of the cap and pin fittings also make the changing and maintenance easily.