
Classification of Electric Power Fittings

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The classification of **electric power fittings** is also diverse, which can be divided into the following categories :

1: Connection hardware is mainly used for overhead power lines in the construction of power hardware and substations in the construction of Electric Power Bureau. Its general function is to use connection hardware to form suspension insulator strings and hang them on poles and towers. The other function is to use connection hardware to connect suspension clamps for straight-line plug-in towers or tension clamps for non-linear plug-in towers with insulator strings Together, there are many other places where connecting hardware can be used.

2: Suspension clamp, this kind of powerful hardware is mainly applicable to suspension conductor insulator string, tower and suspension jumper on insulator string.

3: Protection hardware, as the name implies, is mainly reflected in the protection of other power hardware, reducing the vibration amplitude of overhead power line conductors and lightning wires, as well as the uniform shielding of lines above 330kV and insulator strings of substations. Such products include: shockproof hammer, spacer, etc.

4: Cable hardware, such as DTL. DT. DL series of copper and aluminum terminals are used for various circles and semicircles in the power distribution device,

The excessive connection of sector aluminum wire, power cable and copper end of electrical equipment also plays an important role in power fittings.

5: Equipment hardware, also called equipment clamp, is mainly used for the down lead of substation bus, which is divided into aluminum stranded wire and steel core aluminum stranded wire. Therefore, equipment clamp is divided into copper transition equipment clamp and aluminum equipment clamp from the material.

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6: Continuous fittings, which are used for the repair and continuity of overhead power lines and lighting wires. According to different installation methods and structures, it can be divided into bolt type, pre-twisted wire type and compression type.

7: Tension fittings are mainly used for fixing conductors and lightning wires in overhead power lines and substations, and then they are connected with some tension insulators or the lightning wires are connected with poles and towers by cooperating with the connection fittings. According to the different installation methods and structure, this kind of power fittings can be divided into three categories: bolt type, compression type and wedge type. In addition, the compression type is divided into explosive pressure and hydraulic pressure.

8: Power station hardware, also called current hardware, includes the hardware used to support and fix some flexible conduits, multiple conductors and various hard buses in the electrical devices of substations and power plants. This kind of power fittings can be divided into slot type, tube type bus, flexible bus fixed fittings and rectangle type according to the lines used.

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