

## Multi-chamber Arc Blowing Type 24KV Line Protection Device

Model:MLPD24-C



The multi-cavity arc blowing lightning protection device in the overhead line is characterized in that no special grounding is required, the power frequency freewheeling current can be cut off, the failure rate is low, and the service life is long. The application of the multi-cavity arc blowing lightning protection device plays a key role in the safe and stable operation of the wind farm, and is of great significance to the line operation and maintenance in the wind power aftermarket..

### Product Introduction

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### Specification

- 1.Highest voltage for equipment can be up to 24 kV.
- 2.Protects from Induced Overvoltage
- 3.No maintenance is required
- 4.Protection against: IOV
- 5.Only 1 product per pole is required
- 6.Products are installed with phase alternation (A -> B -> C)
- 7.Definitely great use and the highest possible reliability
- 8.Line Protection Device has been designed to ensure the most effective protection from indirect strokes. This device is able to perform as highly effective lightning protection system, providing secure power network operation in 80% of such issues.
- 9.In order to protect sensitive equipment, such as pole-mounted transformers (PMT), conventional metal oxide surge arresters still must be used

### Operational Principle

1. Ensuring a high ability to discharge excessive energy of an overvoltage in the surrounding atmosphere

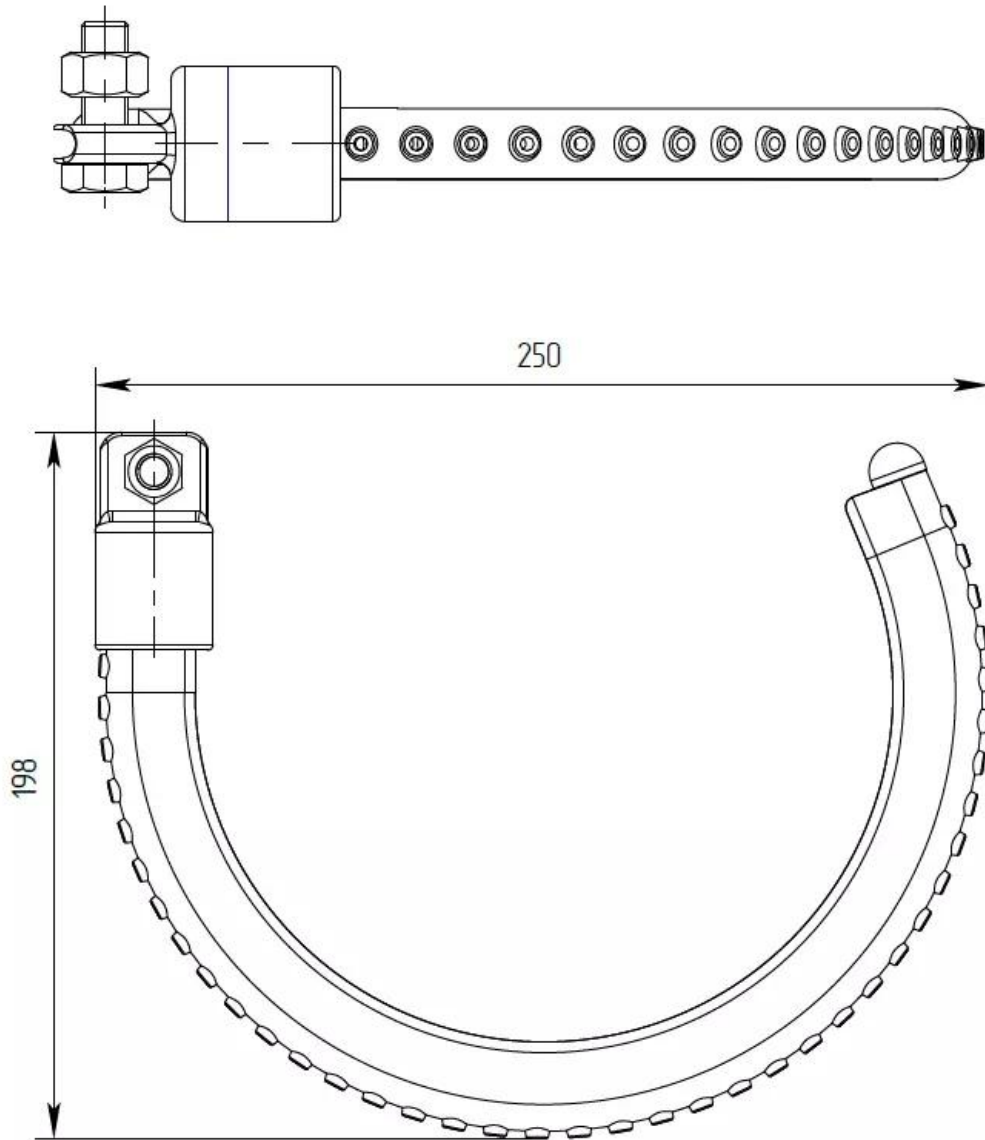
2.The induced overvoltage will create an electrical power arc between the terminal electrode of a MLPD and the conductor clamp on a line. First, the arc will be divided into a series of small arcs by a series of discharge chambers, and then quickly extinguished when the oscillating current of the grid exceeds zero.

### Product Parameter (Specification)

Description	Unit	Value.
Electrical line parameters		
Highest voltage for equipment (1)	kV	24
Maximum prospective fault current	kA	1,5
External air gap	mm	60±10
50% flashover voltage	KV	140
Power frequency withstand voltage (2)	kV (wet/dry)	30/40
Lightning parameters		
Lightning discharge capability (200 μs) (3)	C	1.0
High current impulse (4/10 μs)	KA	65
Maximum quenching lightning current,	kA	10
Minimum withstand amount of operations		
General Parameters		
Additional power losses on the line	%	0
Average expected lifespan	years	30
UV resistance (4)	h	1000
Weight	kg	0.43
Maintenance		1 visual verification per year

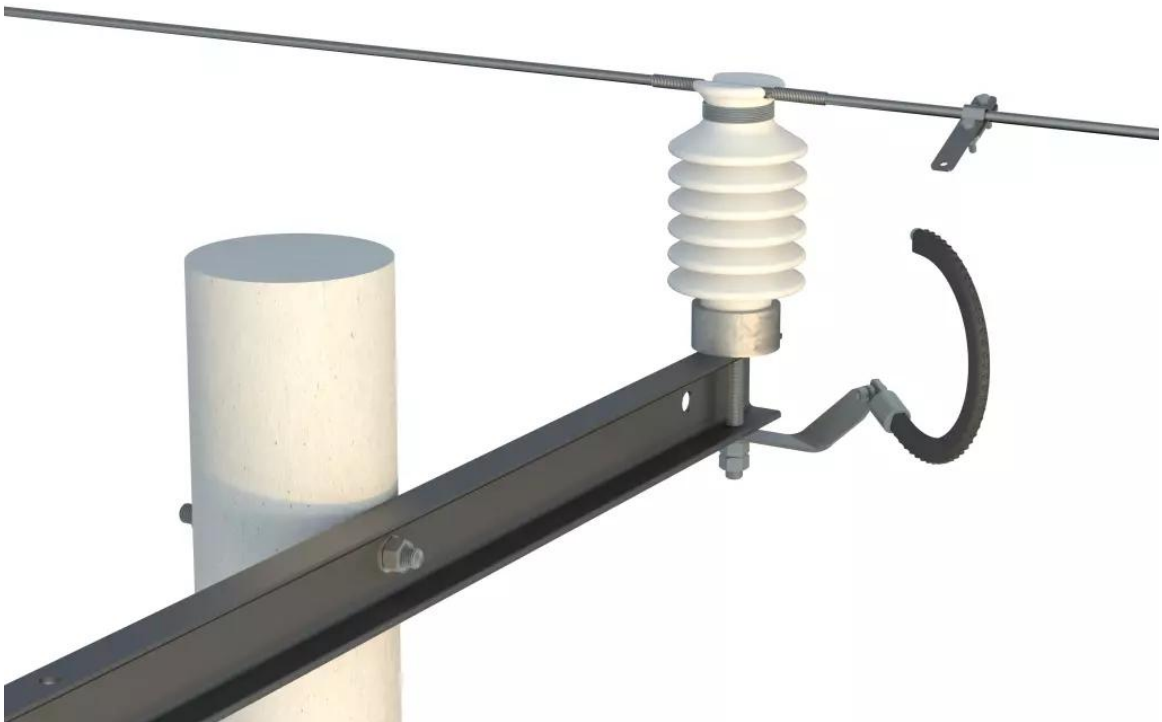
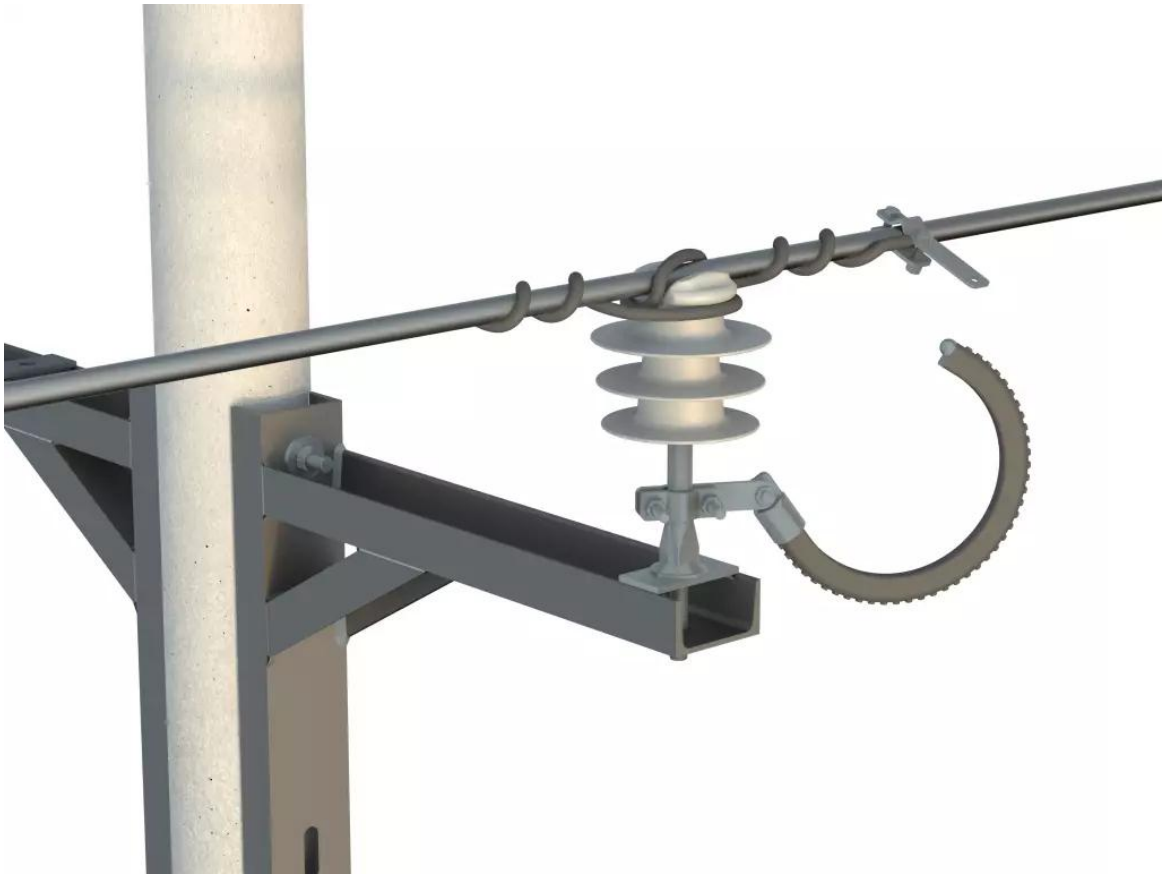
(1) According to IEC 60038, (2) According to IEC 60071-1, (3) According to IEC 60099-8, (4) According to ISO 4892-2, method A, IEC 62217

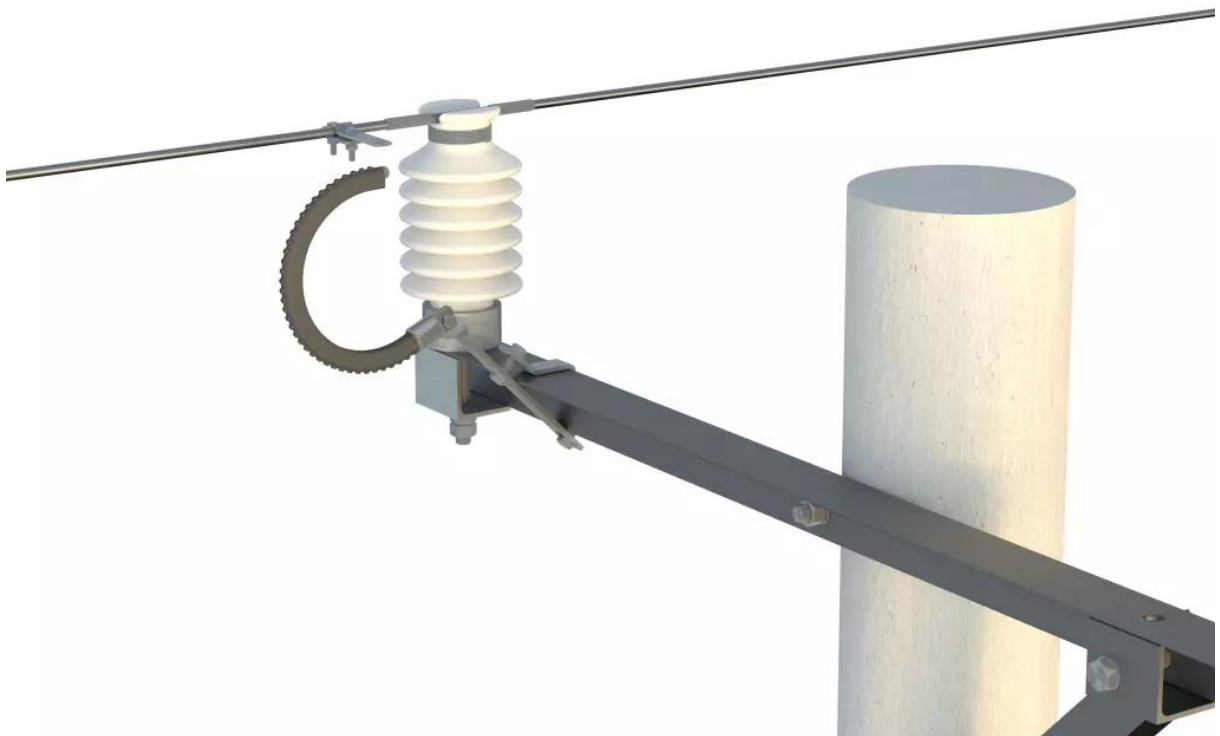
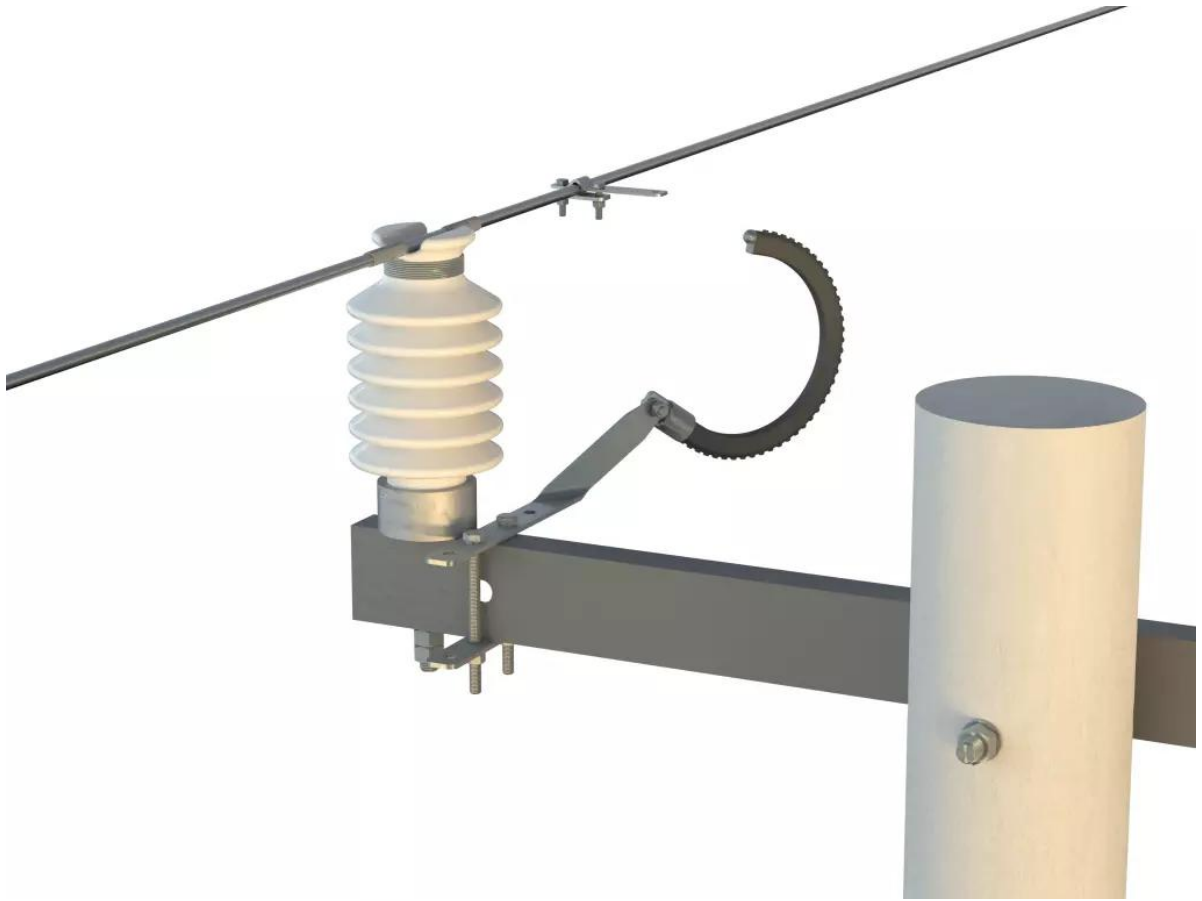
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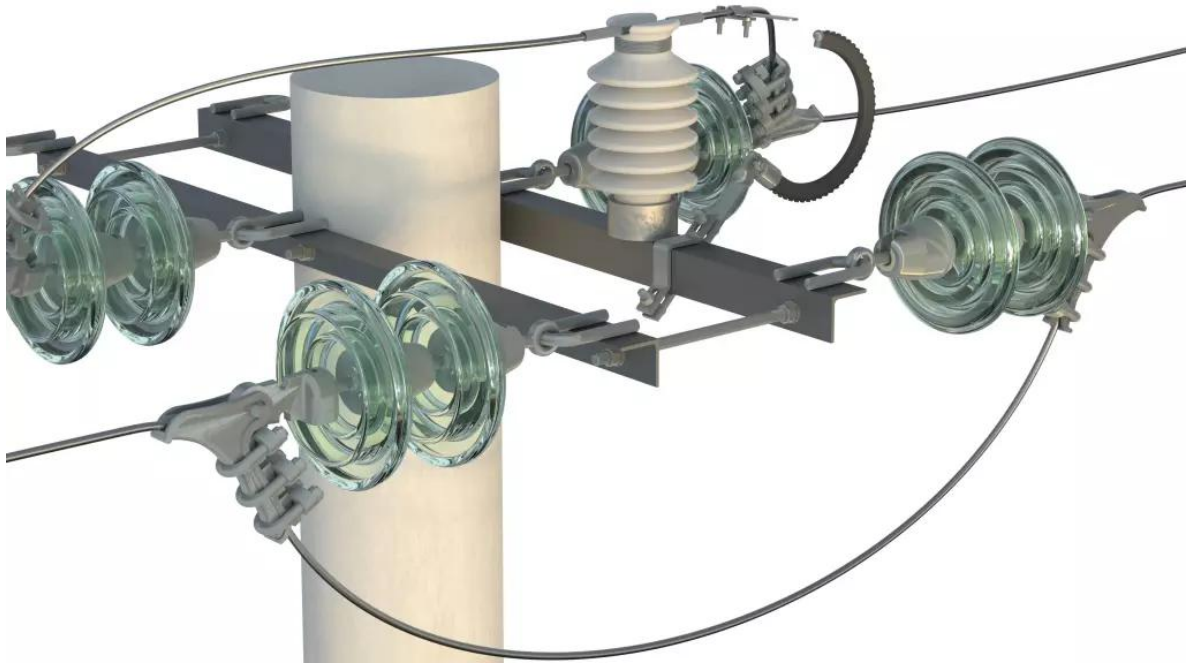


## Installation

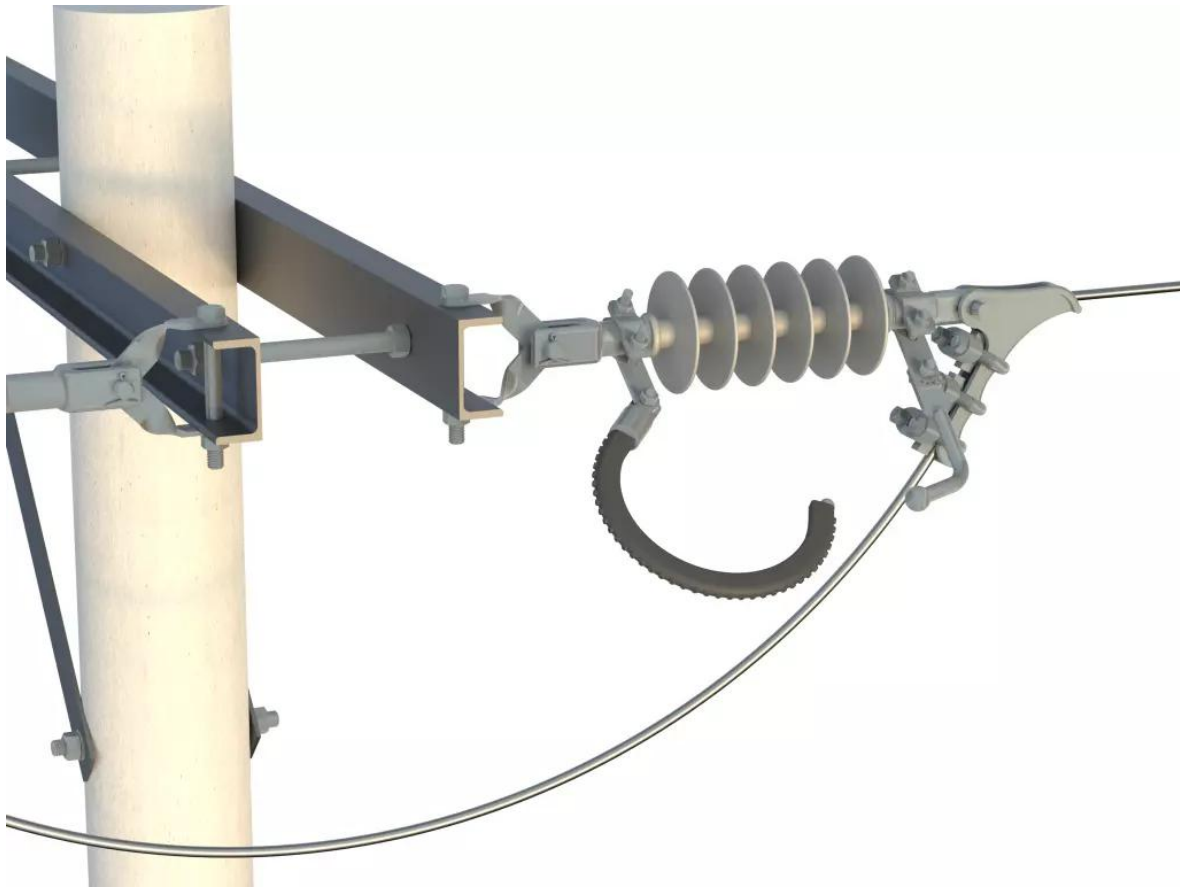
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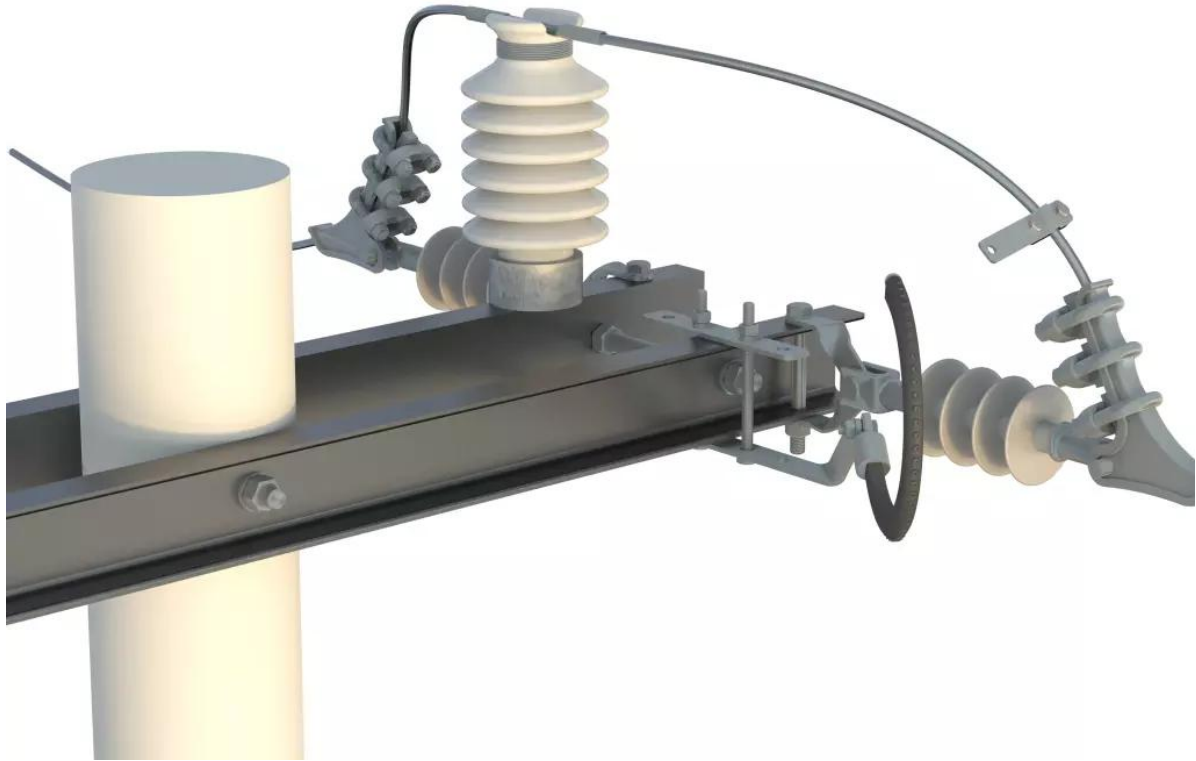






## Tensioninsulation







## Horizontal post insulation

