

# 110kV/126kV Composite Hollow Insulator

This composite hollow insulator is designed for high voltage applications. It provides insulation and mechanical support for conductors in 110kV and 126kV systems.



## Overview

### High-Performance 110kV/126kV Composite Insulation

This composite hollow insulator is engineered for high-voltage transmission lines and substations, specifically designed to excel in polluted environments. Utilizing advanced complete injection technology, the silicone housing and core rod are bonded without apertures to prevent interface breakdown. Its lightweight, high-strength construction ensures easy transportation and installation while maintaining superior mechanical reliability and maintenance-free operation.

## Technical Highlights

### Key Features

- Lightweight and small volume for easy logistics
- High mechanical strength for reliable support
- Excellent anti-pollution performance
- Maintenance-free design
- Aperture-free core/sheath bonding

## Electrical Performance

### Voltage Ratings

**126 kV**

Specified Voltage

**550 kV**

Lightning Impulse Withstand (Peak)

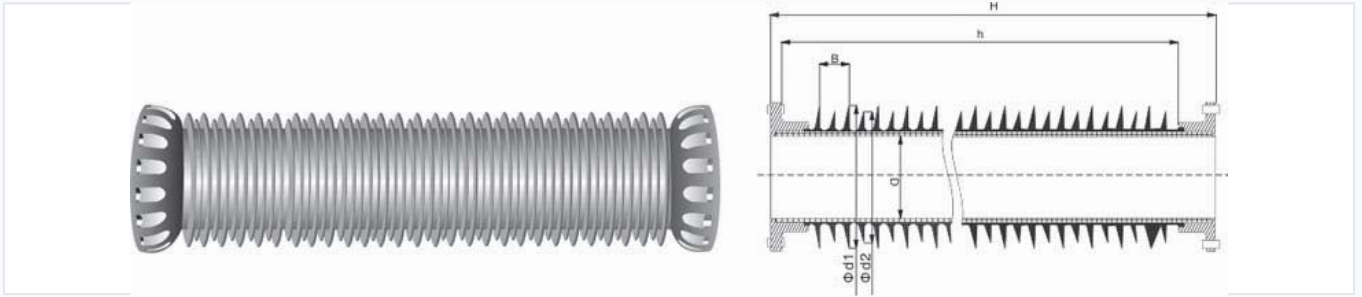
**245 kV**

Power Frequency Withstand (Wet RMS)

## Mechanical Specifications

Mechanical Load	8kN, 12.5kN
Reference Weight	50 kg

## Dimensions & Construction



Technical diagram illustrating key dimensions including height, shed spacing, and diameter parameters for the 110kV/126kV insulator.

### Detailed Dimensions

Parameter	Value
Section Length	1350 mm
Min. Arcing Distance	e1070mm
Min. Nominal Creepage Distance	4370 mm
Tube Inner Diameter	115 mm
Big Shed Diameter	284 mm

### Construction Materials

- Silicone Housing
- Core Rod
- End Fitting

## Compliance & Customization

### Available Colors

Red • Gray • Blue • Yellow • Custom

### Executive Standards

GB/T 19519-2014, IEC 61109

### Customization

Dimensions, characteristics, connecting types, and shed colors can be designed to customer requirements.