

10kV Composite Post Insulator

This 10kV composite post insulator is lightweight and compact for easy transport and installation. It provides reliable insulation and support for high-voltage conductors in various outdoor and indoor applications.



Overview

High-Performance 10kV Composite Post Insulator

This 10kV composite post insulator is engineered for high-voltage transmission lines, particularly in areas prone to heavy pollution. Its lightweight and compact design allows for easy transport and installation while maintaining high mechanical strength and maintenance-free operation. Utilizing advanced complete injection technology, the core rod and sheath are bonded without apertures to ensure superior internal insulation and prevent interface breakdown.

Key Performance Metrics

Featured Specifications

10 kV Specified Voltage	6 kN Mechanical Load	380 mm Creepage Distance	1.9 kg Reference Weight
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Technical Characteristics

Key Features

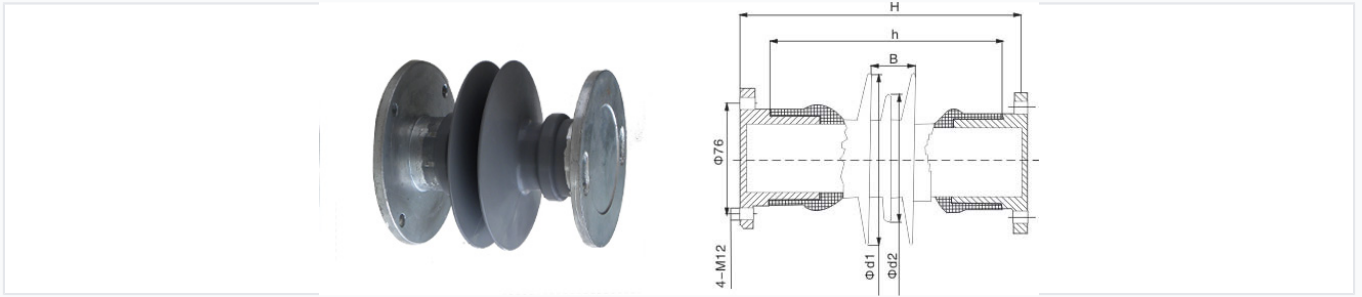
- Lightweight and small volume for easy logistics
- High mechanical strength for reliable support
- Excellent anti-pollution performance
- Maintenance-free design
- Complete injection technology for aperture-free bonding

Electrical & Mechanical Data

Main Technical Parameters

Parameter	Value
Type of Insulator	FZSW-10/6
Section Length (H)	215±5 mm
Min. Arcing Distance (h)	125 mm
Big Shed Diameter (d1)	140 mm
Lightning Impulse Withstand Voltage (Peak)	e95kV
Power Frequency Withstand Voltage (Wet/RMS)	e38kV
Specified Bending Withstand Load	6 kN

Design & Construction



Dimensional diagram showing height, shed width, and mounting flange details for the 10kV post insulator.

Structure & Materials

- Core Rod
- Sheath (Composite Material)
- End Fitting

Mounting Hardware

4-M12 Bolts

Compliance & Customization

Available Colors

Red • Gray • Blue • Yellow • Custom

Executive Standards

GB/T 19519-2014, IEC 61109

Customization Options

Dimensions, characteristics, connection types, and colors can be designed according to customer requirements.