

# Flexible Composite Interphase Rods for Power Lines

Flexible composite interphase rods enhance the stability of power transmission lines by dampening vibrations. Their flexibility is achieved through insulating elements, eliminating the need for additional insulation length.



## ADDITIONAL IMAGES



## Product Overview

### Flexible Composite Interphase Rods

These flexible composite interphase rods are engineered to enhance the stability of high-voltage power transmission lines. By effectively dampening vibrations and mitigating conductor clashing, they prevent line galloping and conductor dancing. Their design offers a lightweight, high-performance solution that protects hardware, insulators, and conductors from dynamic stress and fatigue.

## Operational Benefits

### Performance Features

- Dampens vibrations and prevents conductor clashing
- Suppresses line galloping and mitigates conductor dancing
- Reduces bending, torsion, and compressive loads on hardware
- Provides buffering during ice shedding and wind events
- Lightweight design reduces stress concentration at installation points

### Design Advantages

Insulating elements, No extra insulation length required, High fatigue resistance, Moderate elasticity

## Technical Specifications

### Supported Voltage Levels

- 12kV
- 24kV
- 40.5kV
- 72.5kV
- 126kV
- 252kV
- 345kV
- 525kV

### Rated Mechanical Bending Loads

- 4kN
- 5kN
- 6kN
- 8kN
- 12kN
- 16kN

### Validation History

**500 kV**

Tested Line Voltage

**2013**

Full-scale Test Start Year