

Construction

Polymeric insulator is injection molded from grey track resistant high-density polyethylene. The insulator is designed with a specialized mechanism for securing the cable using a pair of compression jaws with a calibrated clamping force holding mechanism.

Features

- Dielectrically compatible with Southwire polyethylene covered conductors or other polyethylene covered conductors
- Insulator is molded from grey track resistant polyethylene compound
- UV resistant
- Lightweight and shatter resistant
- Special clamp with torque calibrated holding bolts
- Available for both covered and bare conductors

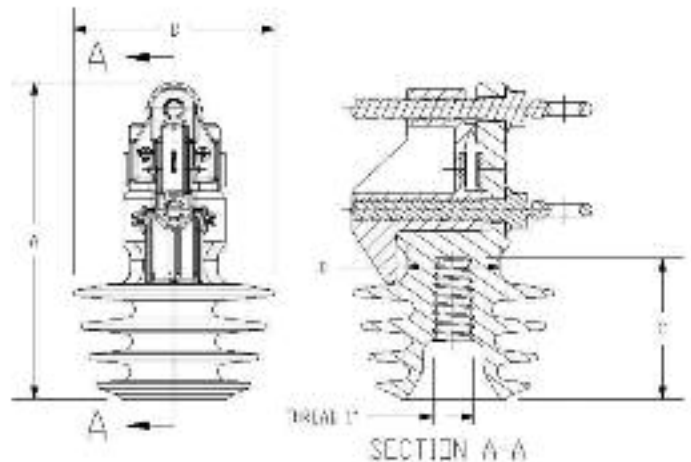


Application

The Polymer Vise-Top Insulator is used in 15kV overhead distribution lines with bare or covered conductors. The insulator was developed to meet the electrical, mechanical and environmental parameters typical of overhead distribution lines. Nylon inserts are used for covered conductors and metallic inserts are used for bare conductors.

Specification

ANSI C29.1
ANSI C29.5



Southwire Stock #	Description	Hendrix Cat #	Nominal ANSI Class
64987801	15kV Polymer Vise-Top Pin Insulator w/Nylon Insert	HPI-15VTP	55-3
64951001	15kV Polymer Vise-Top Pin Insulator w/Metallic Insert	HPI-15VTP	55-3

15kV Polymer Vise-Top Insulator

Southwire Stock #	64987801	64951001
Insert Type	Nylon	Metallic
Hendrix Cat. No.	HPI-15VTP	HPI-15VTM
Nominal ANSI Class	55-3	55-3
Leakage Distance (in)	16.1	16.1
Dry Arcing Distance (in)	7.0	7.0
Pin Hole Diameter (in)	1	1
Minimum Pin Length (in)	6	6
60 Hz Dry Flashover, kV	101	97
60 Hz Wet Flashover, kV	50	65
Positive Impulse Flashover, kV	114	154
Negative Impulse Flashover, kV	144	200
Low Frequency Puncture, kV	174	163
RIV @ 1 MHz		
10 kV to grd, μ V	< 5	< 5
15 kV to grd, μ V	N/A	N/A
22 kV to grd, μ V	N/A	N/A
Cantilever Strength (lbs.)	3000	3000
Dimensions (in)		
A	8.5	8.5
B	5.5	5.5
C	3.75	3.75
D	2.56	2.56
Weight (lbs.)	1.9	1.9
Neck Style	N/A	N/A
Max. continuous conductor Operating Temp. deg. C	120	120

Note: Review Application requirements prior to use on bare conductors.