

Construction

Polymeric insulator is injection molded from grey track resistant high-density polyethylene. The insulator is designed with a specialized mechanism for the securing of 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
- Can be easily used in hot stick applications
- Nylon inserts for covered conductors
- Metallic inserts for bare conductors

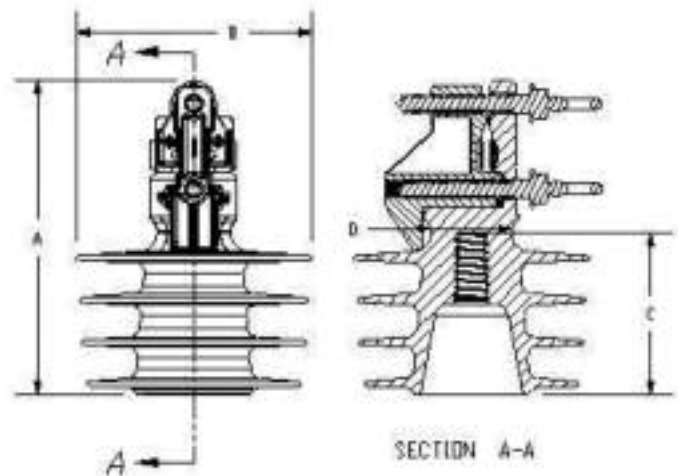


Application

The Polymer Vise-Top Insulator is used in 35kV 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.

Specification

ANSI C29.1
ANSI C29.5



Southwire Stock #	Description	Hendrix Cat #	Nominal ANSI Class
64988301	35kV Polymer Pin Insulator, Vise-Top for use with a 1" Pin w/Nylon Inserts	HPI-35VTP-01	55-6
64951201	35kV Polymer Pin Insulator, Vise-Top for use with a 1" Pin w/Metallic Inserts	HPI-35VTM-01	55-6
64988401	35kV Polymer Pin Insulator, Vise-Top for use with a 1-3/8" Pin w/Nylon Inserts	HPI-35VTP-02	55-7
64951401	35kV Polymer Pin Insulator, Vise-Top for use with a 1-3/8" Pin w/Metallic Inserts	HPI-35VTM-02	55-7

35kV Polymer Vise-Top Insulator

Southwire Stock #	64988301	64951201	64988401	64951401
Description	35kV Polymer Pin Insulator, Vise-Top for use with a 1" Pin w/Nylon Inserts	35kV Polymer Pin Insulator, Vise-Top for use with a 1" Pin w/Metallic Inserts	35kV Polymer Pin Insulator, Vise-Top for use with a 1-3/8" Pin w/Nylon Inserts	35kV Polymer Pin Insulator, Vise-Top for use with a 1-3/8" Pin w/Metallic Inserts
Hendrix Cat. No.	HPI-35VTP-01	HPI-35VTM-01	HPI-35VTP-02	HPI-35VTM-02
Nominal ANSI Class	55-6	55-6	55-7	55-7
Leakage Distance (in)	21.0	21.0	21.0	21.0
Dry Arcing Distance (in)	9.5	9.5	9.5	9.5
Pin Hole Diameter (in)	1	1	1 3/8	1 3/8
Minimum Pin Length (in)	7	7	7	7
60 Hz Dry Flashover, kV	128*	115*	128	115
60 Hz Wet Flashover, kV	72*	80*	72	80
Positive Impulse Flashover, kV	188*	196*	188	196
Negative Impulse Flashover, kV	272*	261*	272	261
Low Frequency Puncture, kV	206	207	219	209
RIV @ 1 MHz				
10 kV to grd, μ V	< 6*	< 6*	< 6	< 6
15 kV to grd, μ V	< 6*	< 6*	< 6	< 6
22 kV to grd, μ V	< 6*	< 6*	< 6	< 6
Cantilever Strength (lbs.)	3000	3000	3000	3000
Dimensions (in)				
A	10.0	10.0	10.0	10.0
B	7.6	7.6	7.6	7.6
C	5.0	5.0	5.0	5.0
D	2.6	2.6	2.6	2.6
Weight (lbs.)	3.2	3.2	3.2	3.2
Neck Style	N/A	N/A	N/A	N/A
Max. continuous conductor Operating Temp. deg. C	120	120	120	120

* Extrapolated from similar design