

### Construction

Polymeric insulator is injection molded from grey track resistant high-density polyethylene. The insulator is designed to be installed using hand-wrapped tie wire or PREFORMED™ ties.

### Features

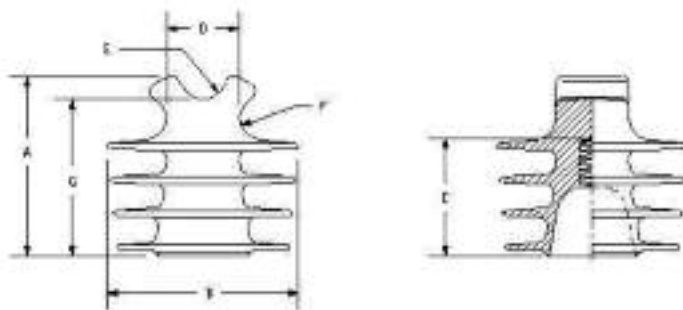
- Dielectrically compatible with Southwire polyethylene covered conductors or other polyethylene covered conductors
- Insulator is molded from a track resistant polyethylene compound
- UV resistant
- Lightweight and shatter resistant

### Application

The polymer insulator is used in 35 kV 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. Use bare tie wire for bare wire applications. Use covered tie wire for covered conductor applications.

### Specification

ANSI C29.1  
ANSI C29.5



Southwire Stock #	Description	Hendrix Cat #	Nominal ANSI Class	Neck Style
64946301	35kV Polymer Pin Insulator, Tie Type F-neck, 1" Pin	HPI-35	55-6	F
64946401	35kV Polymer Pin Insulator, Tie Type F-neck, 1 3/8" Pin	HPI-35-02	55-6	F

Southwire Stock #	64946301	64946401
Description	35kV Polymer Pin Insulator, Tie Type F-neck, 1" Pin	35kV Polymer Pin Insulator, Tie Type F-neck, 1 3/8" Pin
Hendrix Cat. No.	HPI-35	HPI-35-02
Nominal ANSI Class	55-6	55-7
Leakage Distance (in)	21.0	21.0
Dry Arcing Distance (in)	9.5	9.5
Pin Hole Diameter (in)	1	1 3/8
Minimum Pin Length (in)	7	7
60 Hz Dry Flashover, kV	126*	126
60 Hz Wet Flashover, kV	82*	82
Positive Impulse Flashover, kV	175*	175
Negative Impulse Flashover, kV	238*	238
Low Frequency Puncture, kV	223*	235
RIV @ 1 MHz		
10 kV to grd, $\mu$ V	< 5*	< 5
15 kV to grd, $\mu$ V	< 5*	< 5
22 kV to grd, $\mu$ V	< 5*	< 5
Cantilever Strength (lbs.)	3000	3000
Dimensions (in)		
A	7.3	7.3
B	7.6	7.6
C	4.625	4.625
D	2.875	2.875
E	1	1
F	0.75	0.75
G	6.2	6.2
Weight (lbs.)	2.8	2.8
Neck Style	F	F
Max. continuous conductor Operating Temp. deg. C	120	120

\* Extrapolated from similar design