

HENDRIX

Where Power Distribution Reliability Begins.

EXTENDING OUR EXPERIENCE Introducing J-Neck Polyethylene Pin Type Insulators

Since 1972, Hendrix has been manufacturing and selling high quality, reliable Type HPI polyethylene pin type insulators. For 25kV and 35kV distribution systems, Hendrix has historically offered the popular F-neck design. In recent years, we have learned that many customers prefer to use the larger J-neck design at those system voltages, so we have extended our experience by developing J-neck insulators to meet their preferences.

**HPI-25J
HPI-25J-02**



**HPI-35J
HPI-35J-02**



Description:

J-neck insulators are molded of the same proprietary, gray, track resistant, high-density polyethylene that is used in all other Type HPI insulators. These insulators are ideal for use with covered conductors because the low dielectric constant matches that of Hendrix and other polyethylene insulating compounds used on conductors. J-neck insulators may also be used with bare conductors. Hendrix offers J-neck insulators that fit on standard 1" or 1 3/8" pins.

Benefits:

- Electrically compatible with covered conductors – no stripping required
- Resistant to impact damage, breakage and vandalism
- Excellent weather washing characteristics
- Interchangeable with J-neck porcelain insulators
- Excellent weatherability proven by 31 years of field experience
- Designed for use with pre-shaped J-neck ties or hand wrapped ties
- Light weight for easy handling
- Excellent for most environments (salt fog and other contaminants)

Application:

Hendrix J-neck insulators are recommended for use on open wire construction with either covered conductors or bare conductors. They should also be used on spacer cable construction at angles. Using J-neck polyethylene insulators avoids the problem of increased corona and the resulting erosion of covered conductors that can occur with porcelain insulators. J-neck insulators are especially well suited to areas where porcelain insulators are vandalized. Ballistics tests have shown that even with damage from rifle or shotgun fire, polyethylene insulators were still able to operate. Due to their long leakage distance and washing characteristics, J-neck insulators are ideal for most environments.

When using Hendrix J-neck insulators with covered conductors, a covered tie wire is required to prevent erosion of the conductor covering. Hendrix thermoplastic rubber covered tie wire is available for this purpose. When using Hendrix J-neck insulators with bare conductors, a bare tie should be used. Suitable pre-shaped ties may also be used.

continued

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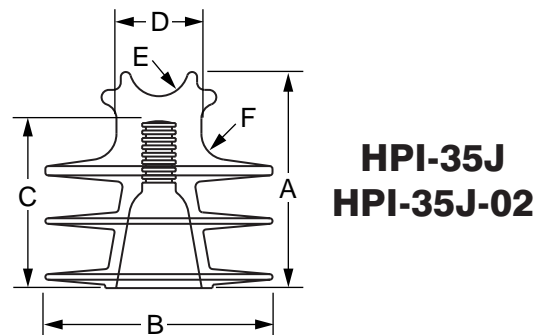
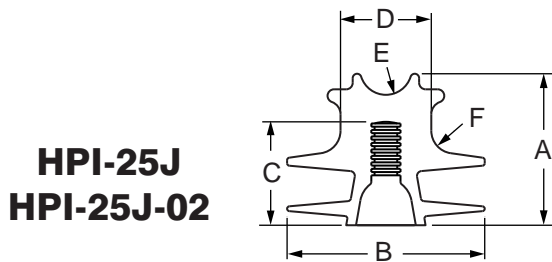


J-Neck Polyethylene Pin Type Insulators

Electrical, Mechanical & Physical Data:

Characteristic	HPI-25J	HPI-25J-02	HPI-35J**	HPI-35J-02**
Typical Application, kV	25	25	35	35
ANSI Class	55-5	55-5	55-6	55-6
Leakage Distance, inches	13 ¹ / ₂	13 ¹ / ₂	20 ³ / ₄	20 ³ / ₄
Dry Arcing Distance, inches	7 ³ / ₈	7 ³ / ₈	9 ³ / ₈	9 ³ / ₈
Pin Hole Diameter, inches*	1	1 ³ / ₈	1	1 ³ / ₈
Minimum Pin Length, inches	6	6	6	6
60 Hz. Dry Flashover, kV	94	94	110	110
60 Hz. Wet Flashover, kV	52	52	63	63
Positive Impulse Flashover, kV	150	150	184	184
Negative Impulse Flashover, kV	182	182	250	250
Low Frequency Puncture, kV	220	190	220	190
RIV @1mhz. 10 kV to grd, μ V	0	0	0	0
15 kV to grd, μ V	0	0	0	0
22 kV to grd, μ V	-	-	<850	<850
Cantilever Strength, lbs.	3000	3000	3000	3000
Dimensions, inches				
A	5 ⁷ / ₈	5 ⁷ / ₈	7 ¹ / ₂	7 ¹ / ₂
B	7 ¹ / ₂	7 ¹ / ₂	7 ¹ / ₂	7 ¹ / ₂
C	4	4	5 ¹ / ₂	5 ¹ / ₂
D	3 ¹ / ₂	3 ¹ / ₂	3 ¹ / ₂	3 ¹ / ₂
E	1	1	1	1
F	7 ⁷ / ₈	7 ⁷ / ₈	7 ⁷ / ₈	7 ⁷ / ₈
Weight, lbs.	2.20	2.15	2.90	2.85
Neck Style	J	J	J	J
Maximum continuous conductor operating temp., °C	120	120	120	120

* Different pin hole diameters and thread configurations to meet international standards are available upon request.
 **Review design performance data before using on bare wire systems.



Product Samples:

We invite you to inspect product samples of Hendrix J-neck insulators. Just call your Hendrix regional sales representative for a demonstration, or contact us for information on our representative in your area.