

Polymer Spool Insulator

Weight: 0.00kg

Dimensions: 0.00cm x 0.00cm x 0.00cm

Description

The PLP Polymer Spool Insulators are used to insulate and support primary neutral and secondary (bare or covered) conductors at the pole or house using various clevis mounting configurations. They are compatible with all manufacturers' hardware designs that are to be used with the ANSI C29.3 Class 53-2 spool insulators. They are designed to be used with PLP Spool Ties and EZ-WRAP™ Spool Ties and are Class 53-2 compliant. The IP-53-2 is a direct replacement for porcelain spool insulators.

Features

- Superior moisture and contamination shedding
- UV stabilized material
- Matched dielectric properties
- High impact resistance
- Lightweight design
- ANSI 29.5 compliant
- Dramatically reduces abrasion
- Ideal for jumpers or stinger wires
- Ideal for use with shot gun sticks
- Manufactured from a proprietary high density polyethylene-based compound
- Tie top designs are perfect for use with all PLP ties
- Two (2) torque bolts included with each Vise Top insulator

Documentation

Application Procedures

Catalog Pages

[Polymer Insulators - Catalog](#)

[Distribution Catalog - Polymer Spool Insulator](#)

Sales Materials

[Polymer Insulators - Sell Sheet](#)

Guide Book for Damaged or Worn Conductors

[Overhead Distribution Line Repair Manual](#)

Part Tables

Test Results Based on ANSI C29 Standard															
Catalog Number	Design/Application	ANSI Class	Low Frequency				Impulse Flashover				Low Frequency Puncture		RIV		
			Dry Flashover		Wet Flashover		Positive Critical		Negative Critical		Test Value	ANSI C29 Value	Test Value	ANSI C29 Value	
			Test Value	ANSI C29 Value	Test Value	ANSI C29 Value	Test Value	ANSI C29 Value	Test Value	ANSI C29 Value					
Spool	IP-53-2	Polymer Spool Insulator 1-3/4" Neck-A Neck	53-2	27	25	12.8/16	12/15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
15kV Applications	IP-15-C	ANSI 15kV, C Neck, 1" Pin	55-3	77	55	45	30	+124	+90	-160	-110	208	90	Pass (<4uV)	mil
	IP-15-F	ANSI 15kV, F Neck, 1" Pin	55-4	93	65	50	35	+114	+105	-144	-130	160	95	Pass (<5uV)	<50uV@10kV
	IP-15-VTN	ANSI 15kV, VT, Nylon Inserts, 1" Pin	55-3	101	55	50	30	+147	+90	-201	-110	174	90	Pass (<4uV)	<50uV@10kV
	IP-15-VTM	ANSI 15kV, VT Aluminum Inserts, 1" Pin		95	55	64	30	+154	+90	-200	-110	163	90	Pass (<4uV)	<50uV@10kV
	IP-15-VTM-B	ANSI 15kV, VT Bronze Inserts, 1" Pin		95(2)	55	64(2)	30	+154(2)	+90	-200(2)	-110	163(2)	90	Pass (2)	<50uV@10kV
	IP-15-VTU	ANSI 15kV, VT Universal Inserts, 1" Pin		101	55	50	30	+147	+90	-201	-110	174	90	Pass (<4uV)	<50uV@10kV
25kV Applications	IP-25-F1	ANSI 25kV, F Neck, 1" Pin	55-5	89(1)	80	55(1)	45	142(1)	+130	-223(1)	-150	218	115	Pass (1)	<50uV@15kV
	IP-25-F2	ANSI 25kV, F Neck, 1-3/8" Pin	56-1	89	80	55	45	142	+130	-223	-150	201	115	Pass (<2uV)	<50uV@15kV
	IP-25-J1	ANSI 25kV, J Neck, 1" Pin		90	107.4	54	71.8	138	152.5	175	222.7	130	180.2	Pass	<100uV@15kV
	IP-25-J2	ANSI 25kV, J Neck, 1-3/8" Pin	55-5	90	107.4	54	71.8	138	152.5	175	222.7	130	184.5	Pass	<100uV@15kV
	IP-25-VTN1	ANSI 25kV, VT Nylon Inserts, 1" Pin		88(1)	80	55(1)	45	150(1)	+130	-219(1)	-150	228	115	Pass (1) (<0.5uV)	<50uV@15kV
	IP-25-VTN2	ANSI 25kV, VT Nylon Inserts, 1-3/8" Pin		88	80	55	45	150	+130	-219	-150	191	115	Pass (<0.5uV)	<50uV@15kV
	IP-25-VTM1	ANSI 25kV, VT Aluminum Inserts, 1" Pin		94(1)	80	55(1)	45	152(1)	+130	-216(1)	-150	218	115	Pass (1) (<0.5uV)	<50uV@15kV
	IP-25-VTM2	ANSI 25kV, VT Aluminum Inserts, 1-3/8" Pin		94	80	55	45	152	+130	-216	-150	184	115	Pass (<0.5uV)	<50uV@15kV
	IP-25-VTM1-B	ANSI 25kV, VT Bronze Insert, 1" Pin		94(2)	80	55(2)	45	152(2)	+130	-216(2)	-150	218(2)	115	Pass (1), (2)	<50uV@15kV
	IP-25-VTM2-B	ANSI 25kV, VT Bronze Insert, 1-3/8" Pin		94(2)	80	55(2)	45	152(2)	+130	-216(2)	-150	184(2)	115	Pass (2)	<50uV@15kV
	IP-25-VTU1	ANSI 25kV, VT Universal Inserts, 1" Pin		88(1)	80	55(1)	45	150(1)	+130	-219(1)	-150	228	115	Pass (1) (<0.5uV)	<50uV@15kV
	IP-25-VTU2	ANSI 25kV, VT Universal Inserts, 1-3/8" Pin	88	80	55	45	150	+130	-219	-150	191	115	Pass (<0.5uV)	<50uV@15kV	
35kV Applications	IP-35-F1	ANSI 35kV, F Neck, 1" Pin	55-6	126(1)	100	82(1)	50	+175(1)	+150	-238(1)	-170	223	135	Pass (1)	<100uV@22kV
	IP-35-F2	ANSI 35kV, F Neck, 1-3/8" Pin	55-7	126	100	82	50	+175	+150	-238	-170	235	135	Pass (<39uV)	<100uV@22kV
	IP-35-J1	ANSI 35kV, J Neck, 1" Pin	55-6	113	100	75.5	50	157.5	150	254	170	194.9	115	Pass (<29uV)	<100uV@15kV
	IP-35-J2	ANSI 35kV, J Neck, 1-3/8" Pin	55-7	113	133	60	75.5	157.5	150	222.7	190	180.2	130	Pass (<29uV)	<100uV@15kV
	IP-35-VTN1	ANSI 35kV, VT Nylon Inserts, 1" Pin	55-6	128(1)	100	72(1)	50	+188(12)	+150	-272(1)	-170	206	135	Pass (1)	<100uV@22kV
	IP-35-VTN2	ANSI 35kV, VT Nylon Inserts, 1-3/8" Pin	55-7	128	100	72	50	+188	+150	-272	-170	219	135	Pass (<6uV)	<100uV@22kV
	IP-35-VTM1	ANSI 35kV, VT Aluminum Inserts, 1" Pin	55-6	115(1)	100	80(1)	50	+196(1)	+150	-261(1)	-170	207	135	Pass (1)	<100uV@22kV
	IP-35-VTM2	ANSI 35kV, VT Aluminum Inserts, 1-3/8" Pin	55-7	115	100	80	50	+196	+150	-261	-170	209	135	Pass (<8uV)	<100uV@22kV
	IP-35-VTM1-B	ANSI 35kV, VT Bronze Insert, 1" Pin	55-6	115(2)	100	80(2)	50	+196(2)	+150	-261(2)	-170	207(2)	135	Pass (2)	<100uV@22kV
	IP-35-VTM2-B	ANSI 35kV, VT Bronze Insert, 1-3/8" Pin	55-7	115(2)	100	80(2)	50	+196(2)	+150	-261(2)	-170	209(2)	135	Pass (2)	<100uV@22kV
	IP-35-VTU1	ANSI 35kV, VT Universal Inserts, 1" Pin	55-6	128(1)	100	72(1)	50	+188(12)	+150	-272(1)	-170	206	135	Pass (1)	<100uV@22kV
	IP-35-VTU2	ANSI 35kV, VT Universal Inserts, 1-3/8" Pin	55-7	128	100	72	50	+188	+150	-272	-170	219	135	Pass (<6uV)	<100uV@22kV