15kV	Power Cable Joints	15PCJ1W1X

Features:

- **Molded conductive shield provides a virtually indestructible ground shield for true deadfront construction**
- **Fully shielded, fully submersible molded rubber housing**
- **Molded conductive insert precludes subjecting entrapped air to electrical stress**
- **Grounding eye provides a convenient point to connect a ground wire to the molded conductive shield, placing the molded shield at ground potential**
- **Cable entrance engages the insulation shielding of the cable eliminating the need for taping**

15PCJ1
Power Cable Joints

Applications:

Elastimold® 15PCJ1 Power Cable Joints provide a permanent, fully shielded, fully submersible, straight splice. Typically, the 15PCJ1 can be used on new installations to join cable runs or for repairs to broken cables on existing installations. The 15PCJ1 is for 15kV use rated per IEEE Standard 404. Installed either directly buried or in a vault, the pin and socket interlock of the 15PCJ1 power cable joint will withstand pulls of up to 500 lbs.

The 15PCJ1 is designed to accept cable insulation diameters of .640" to 2.120". The cable entrance of the housing provides electrical and water seal integrity. While designed for use on UD cable having concentric neutral and extruded insulation shielding, the 15PCJ1 will operating equally well on fabric tape shielded or lead-jacketed cables when used with the proper Elastimold® cable shield adapter or grounding device.

Ratings:

Meets IEEE Standard 404, Latest Revision

For 15kV Voltage Class:

110kV BIL – Impulse Withstand (1.2 x 50 microsecond wave)
35kV AC – Withstand
70kV DC – Withstand during Manufacture Test
56kV DC – During installation
13kV AC – Corona Extinction @ 3pC sensitivity

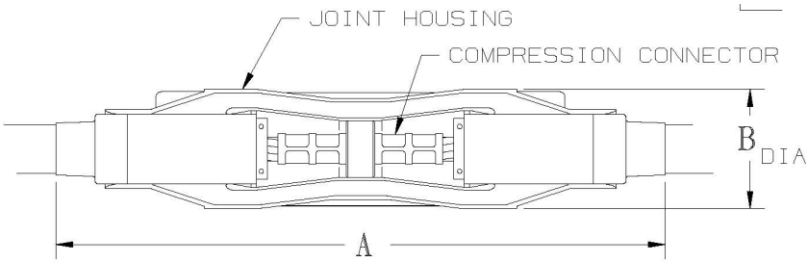
Continuous current rating equal to that of cable rating.

Short-time current rating equal to that of cable rating up to 35kA.

Shield design meets IEEE Standard 592, Latest Revision

Cyclic Aging:
30 days at 26.1kV AC continuous, load current for 8 hours per day, providing 130°F conductor temperature.

Connectors meet ANSI C119.4 Class A and Class 3 ratings.



Dimensional Data		
Style 1 Part Number	A inches	B inches
15PCJ1FX	10 1/4''	1 3/4''
15PCJ1GX	10 1/4''	1 3/4''
15PCJ1HX	14 3/8''	2 7/16''
15PCJ1JX	14 3/8''	2 7/16''
15PCJ1KX	14 3/8''	2 7/16''
15PCJ1LX	14 3/8''	2 25/32''
15PCJ1LMX	14 3/8''	2 25/32''
15PCJ1MX	14 3/8''	2 25/32''
15PCJ1NX	15 3/4''	3 3/16''
15PCJ1PX	15 3/4''	3 3/16''
15PCJ1QX	15 3/4''	3 3/16''

CATALOG NUMBER SELECTION

Step 1 (W)
Determine the insulation diameter of the cable.
Select the insulation letter code that best straddles the insulatic diameter from W table below. Insert code into catalog number.

Step 2
Insert conductor material code.

Step 3 (X)
Choose the proper compression lug code according to the conductor size from table 2. Insert code into catalog number.

Material	Code
Alum.	1
CU	2

15PCJ1 [W Code] [ ] [XXX Code]

Cable Insulation Diameter in inches		Symbol for W
MIN.	MAX.	
0.760	0.950	G
0.850	1.050	H
0.980	1.180	J
1.090	1.310	K
1.180	1.465	L
1.280	1.430	LM
1.370	1.630	M
1.515	1.780	N
1.725	1.935	P
1.900	2.120	Q

XXX Code	Conductor Size AWG or kcmil	
	Strand./ Compr.	Solid/ Comp.
180	#6	#5
190	#5	#4
200	#4	#3
210	#3	#2
220	#2	#1
230	#1	1/0
240	1/0	2/0
250	2/0	3/0
260	3/0	4/0
270	4/0	250
280	250	300
290	300	350
300	350	400
310	400	450/500
320	450	550
330	500	600
340	550	650
350	600	700
360	650	750
380	700/750	800/900
390	800	-
400	900	1000
410	1000	-
420	-	1250
440	1250	-

Each kit contains the following:

1	Power Cable Joint Housing	15PCJ1-W
1	Connector	02500**XXX**
1	Tube, lubricant	82-08
1	Installation instruction	IS-0332

Example:
The ordering number for a power cable joint of style 1 with an insulation diameter of .995'' to 1.090'' with a #4 stranded aluminum conductor would be 15PCJ1J1200. To include sealing and grounding kit add 200ECS for neutral wire or 200ECS-G3 for copper line shield to the existing product number. Two kits are required for splice.

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