

25kV	Power Cable Joints	25PCJ1
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## Features:

- 25kV Rated Power Cable Joint
- 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

## 25PCJ1 Power Cable Joints

### Applications:

Elastimold® 25PCJ1 Power Cable Joints provide a permanent, fully shielded, fully submersible, straight splice. Typically, the 25PCJ1 can be used on new installations to join cable runs or for repairs to broken cables on existing installations. The 25PCJ1 is for 25kV use rated per IEEE Standard 404. Installed either directly buried or in a vault, the pin and socket interlock of the 25PCJ1 power cable joint will withstand pulls of up to 500 lbs.

The 25PCJ1 is designed to accept cable insulation diameters of .760" 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 25PCJ1 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 25kV Voltage Class:

150kV BIL – Impulse Withstand (1.2 x 50 microsecond wave)  
52kV AC – Withstand  
100kV DC – Withstand during Manufacture Test  
80kV DC – During installation  
22kV 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

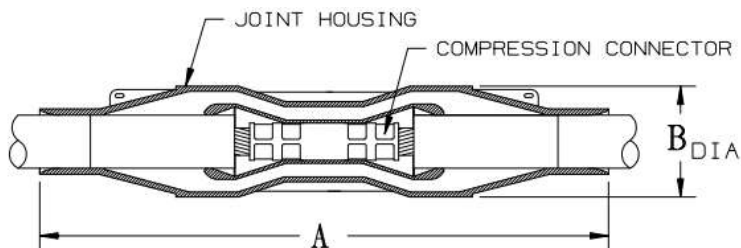
Cyclic Aging:  
30 days at 43.2kV AC continuous, load current for 8 hours per day, providing 130°F conductor temperature.

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

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## Dimensional Data

Style 1 Part Number	A inches	B inches
25PCJ1HX	14 3/8"	2 7/16"
25PCJ1JX	14 3/8"	2 7/16"
25PCJ1KX	14 3/8"	2 7/16"
25PCJ1LX	14 3/8"	2 25/32"
25PCJ1LMX	14 3/8"	2 25/32"
25PCJ1MX	14 3/8"	2 25/32"
25PCJ1NX	15 3/4"	3 3/16"
25PCJ1PX	15 3/4"	3 3/16"
25PCJ1QX	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 insulation diameter from W table below. Insert code into catalog number.

### Step 2

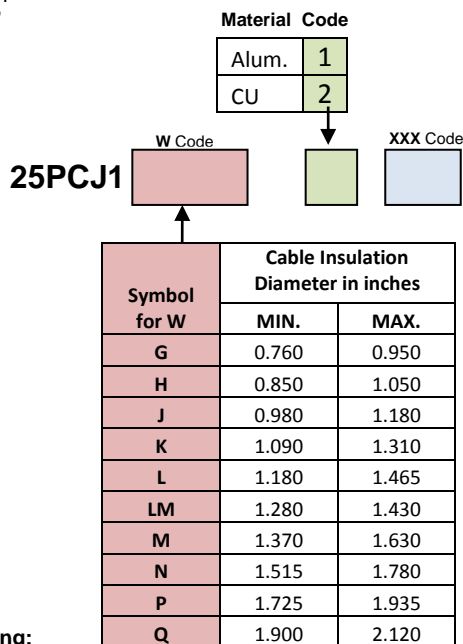
Insert conductor material code.

### Step 3 (X)

Choose the proper compression lug code according to the conductor size from table 2. Insert code into catalog number.

### 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 25PCJ1J1200. 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.



### Each kit contains the following:

- |   |                           |   |
|---|---------------------------|---|
| 1 | Power Cable Joint Housing | 25PCJ1-W  |
| 1 | Connector                 | 02403XXX  |
| 1 | Tube, lubricant           | 82-08   |
| 1 | Installation instruction  | IS-0332 or<br>IS-0179 or<br>IS-0180 or<br>IS-0182 |
| 1 | Crimp Chart               | CC-0038 or<br>CC-0039 or<br>CC-0042               |