

Issue Date: 03/25/2015

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File: PSS-755L3-W0X

|      |                            |                |           |
|------|----------------------------|----------------|-----------|
| 35kV | 600A Deadbreak 3 Way L-Kit | w/o Test Point | 755L3-W0X |
|------|----------------------------|----------------|-----------|



## 755L3-W0X 3-Way L-Kit

### Applications:

The 755L3-W0X elbow kit is comprised of three 755LR elbow connectors, two 750BIP basic insulating plugs, three 755CA-W cable adapters, three 03700XXX compression lugs and two 750CP connecting plugs. It is used to split one line into two on in, out, tap, and using the two insulating plugs as test points allows for capacitive voltage testing.

### Ratings:

Meets ANSI/IEEE Standard 386, Latest Revision

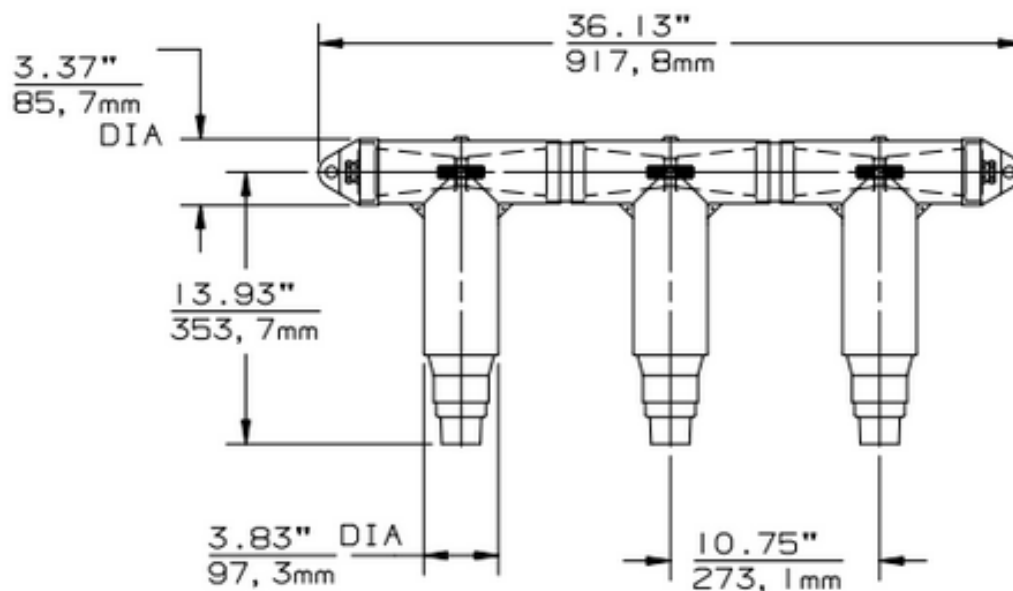
#### For 35kV Voltage Class:

21.1kV Max Phase-to-Ground – Operating Voltage  
 36.6kV Max Phase-to-Phase  
 150kV BIL – Impulse Withstand (1.2 x 50 microsecond wave)  
 50kV AC – One minute withstand  
 103kV DC – 15 minutes withstand  
 26kV AC – Corona Extinction @ 3pC sensitivity  
 600 Amp – Continuous  
 25kA Sym – 10 Cycles Momentary

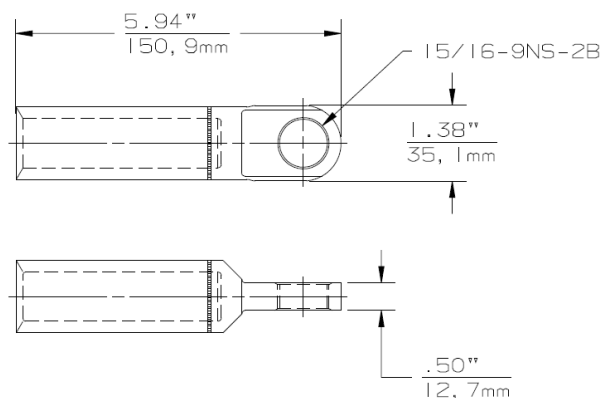
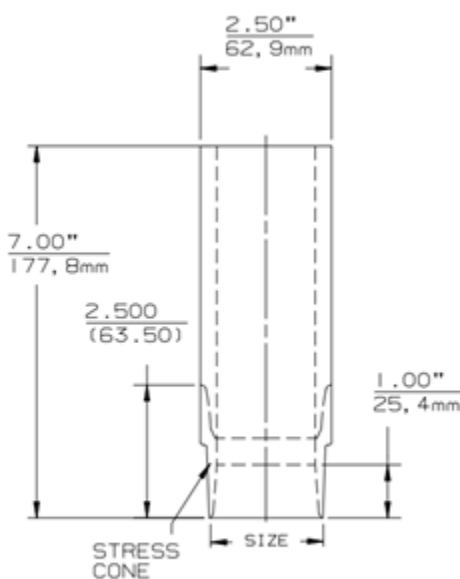
### Features:

- Fully rated 35kV, 600 Amp Deadbreak 3 Way L-Kit
- Fully shielded, fully submersible molded rubber housing
- 100% peroxide-cured construction includes insulation and conductive EPDM materials
- Can be easily connected or disconnected using standard hand tools and equipment in a de-energized state
- Optional accessories allow visible external separation, by-pass, isolation, dead-ending, grounding, and testing

|      |                            |                |           |
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| SIZE | INSULATION DIAMETER RANGE    |
|------|------------------------------|
| G    | 19, 30-24, 13<br>.760-.950   |
| H    | 21, 59-26, 67<br>.850-1.050  |
| J    | 24, 89-29, 97<br>.980-1.180  |
| K    | 27, 69-33, 27<br>1.090-1.310 |
| L    | 29, 97-37, 21<br>1.180-1.465 |
| LM   | 32, 51-36, 32<br>1.280-1.430 |
| M    | 34, 80-41, 40<br>1.370-1.630 |
| N    | 38, 48-45, 21<br>1.515-1.780 |
| P    | 43, 82-49, 15<br>1.725-1.935 |
| Q    | 48, 26-53, 85<br>1.900-2.120 |
| R    | 53, 72-56, 77<br>2.115-2.235 |



|      |                            |                |           |
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## CATALOG NUMBER SELECTION

### Step 1 (W)

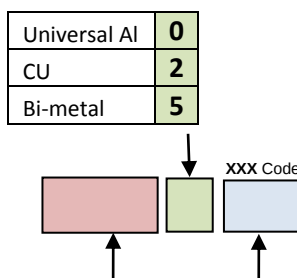
Determine the insulation diameter of the cable.  
Select the insulation letter code that best straddles the insulation diameter from W table below. Insert code into catalog number.

### Step 2

Choose the proper connector material type and insert it into the catalog number.

### Step 3 (X)

Choose the proper compression lug code according to the conductor size from the Conductor Code Table. Insert code into catalog number.



| Cable Insulation Diameter in inches |       | Cable Insulation Diameter in millimeters |        | Symbol for W |
|-------------------------------------|-------|------------------------------------------|--------|--------------|
| MIN.                                | MAX.  | MIN.                                     | MAX.   |              |
| 0.640                               | 0.820 | 16.256                                   | 20.828 | F            |
| 0.760                               | 0.950 | 19.304                                   | 24.130 | G            |
| 0.850                               | 1.050 | 21.590                                   | 26.670 | H            |
| 0.980                               | 1.180 | 24.892                                   | 29.972 | J            |
| 1.090                               | 1.310 | 27.686                                   | 33.274 | K            |
| 1.180                               | 1.465 | 29.972                                   | 37.211 | L            |
| 1.280                               | 1.430 | 32.512                                   | 36.322 | LM           |
| 1.370                               | 1.630 | 34.798                                   | 41.402 | M            |
| 1.515                               | 1.780 | 38.481                                   | 45.212 | N            |
| 1.725                               | 1.935 | 43.815                                   | 49.149 | P            |

| X Code | AWG or kcmil    |                | mm2     | Connector Only     |          |          |
|--------|-----------------|----------------|---------|--------------------|----------|----------|
|        | Strand./ Compr. | Solid/ Compact | Compact | Universal Aluminum | Copper   | Bi-metal |
| 210    | -               | 2              | -       | 03700210           | 03702210 | 04601210 |
| 220    | 2               | 1              | 35      | 03700220           | 03702220 | 04601220 |
| 230    | 1               | 1/0            | 50      | 03700230           | 03702230 | 04601230 |
| 240    | 1/0             | 2/0            |         | 03700240           | 03702240 | 04601240 |
| 250    | 2/0             | 3/0            | 70      | 03700250           | 03702250 | 04601250 |
| 260    | 3/0             | 4/0            | 95      | 03700260           | 03702260 | 04601260 |
| 270    | 4/0             | 250            | 125     | 03700270           | 03702270 | 04601270 |
| 280    | 250             | 300            | -       | 03700280           | 03702280 | 04601280 |
| 290    | 300             | 350            | 150     | 03700290           | 03702290 | 04601290 |
| 300    | 350             | 400            | 185     | 03700300           | 03702300 | 04601300 |
| 310    | 400             | 450            | 240     | 03700310           | 03702310 | 04601310 |
| 320    | 450             | 500/550        | -       | 03700320           | 03702320 | 04601320 |
| 330    | 500             | 600            | 250/300 | 03700330           | 03702330 | 04601330 |
| 340    | 550             | 650            | -       | 03700340           | 03702340 | 04601340 |
| 350    | 600             | 700            | 400     | 03700350           | 03702350 | 03705350 |
| 360    | 650             | 750/800        | -       | 03700360           | 03702360 | 04601360 |
| 380    | 700/750         | 900            | -       | 03700380           | 03702380 | 04601380 |
| 390    | 800             | -              | 500     | 03700390           | 03702390 | 04601390 |
| 400    | 900             | 1000           | -       | 03700410           | 03702410 | 04601410 |
| 410    | 1000            | -              | -       | 03700410           | 03702410 | 04601410 |
| 420    | -               | 1250           | -       | 03700420           | 03702420 | 04601420 |
| 440    | 1250            | -              | -       | 03700440           | 03702440 | 04600440 |

### Each kit contains the following:

|    |                               |          |
|----|-------------------------------|----------|
| 3  | Basic Elbow                   | 755BLR   |
| 3  | Cable Size Adapter            | 655CA-W  |
| 3  | Universal Al. Compression Lug | 03700XXX |
| 11 | Tube, lubricant               | 82-08    |
| 2  | Basic Insulating Plug         | 750BIP   |
| 3  | Stud                          | 750SA    |
| 2  | Connecting Plug               | 750CP    |
| 1  | Installation Instruction      | IS-0230  |
| 1  | Installation Instruction      | IS-0244  |
| 1  | Installation Instruction      | IS-0915  |
| 1  | Crimp Chart                   | CC-0050  |

### Example:

The ordering number for a **600A 3 Way L-Kit** for a 4/0 compressed, 345 mil wall cable with an insulation diameter of 1.195" to 1.295" is **755L3-K0270**.

For: **900A 3 Way L-Kit**; please order:

**755L3-H2270**

**NOTE.** It is Mandatory for **900A** to have all the Components in Copper (Cable, connector and bushing, etc.)