

Issue Date: 11/12/2012

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File: PSS-274ELR-W5X

25kV	200A Loadbreak Repair Elbow	w/ Test Point	274ELR-W5X
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Features:

- Extended length housing and compression lug
[+ 3-1/4" (82,6 mm)]
- 25kV, 200A Loadbreak Elbow Connector
- Fully shielded, fully submersible molded rubber housing
- 100% Peroxide-cured insulation, insert and jacket
- Provision for hot stick operation
- Provision for ground wire connection
- Wide cable range with minimum number of cable sizes
- Non-corrosive capacitive test point

274ELR Loadbreak Repair Elbow Connector

Applications:

The Elastimold® 274ELR Repair Elbow is a fully rated 25kV, 200 Amp Class loadbreak elbow connector with a lengthened compression lug and housing. The Repair Elbow accommodates cables that are too short to be connected with a standard elbow. The 274ELR is designed for connecting to and operating 25kV Class, 125kV BIL apparatus. Typical uses for the special characteristics of the 274ELR Repair Elbow include the following:

- Repair of a failed elbow connection where the cable must be stripped back and a new compression lug applied.
- To gain extra length when cables have been accidentally trimmed too short or to connect new apparatus to existing cables.

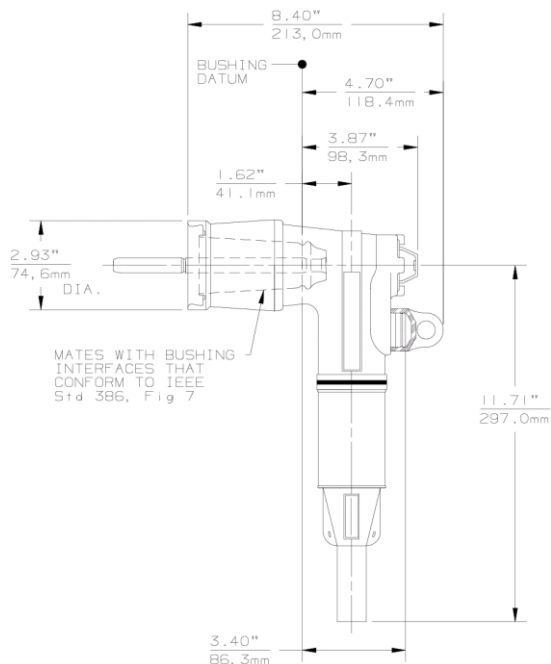
Ratings:

Meets ANSI/IEEE Standard 386, Latest Revision

For 25kV Voltage Class:

15.2kV Max Phase-to-Ground – Operating Voltage
26.3kV Max Phase-to-Phase
125kV BIL – Impulse Withstand (1.2 x 50 microsecond wave)
40kV AC – One minute withstand
78kV DC – 15 minutes withstand
19kV AC – Corona Extinction @ 3pC sensitivity
200 Amp – Continuous and Loadbreak
10kA Sym – 10 Cycles Momentary & Fault Close

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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 (X)

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

Example:

The ordering number for a Repair Elbow for a 1/0 compressed/stranded, 260 mil wall cable with an insulation diameter of .885\" to .975\" and test point is 274ELR-7495-5240.

274ELR

W Code

XXX Code

5

Cable Insulation Diameter in Inches		Cable Insulation Diameter in mm		Symbol for W
MIN.	MAX.	MIN.	MAX.	
0.665	0.895	16.89	22.73	6689
0.740	0.950	18.80	24.13	7495
0.880	1.100	22.35	27.94	88110
1.090	1.310	27.69	33.27	K

XXX Code	Conductor Size AWG or kcmil			Connector only
	Strand./ Compr.	Solid/ Comp.	mm ²	Bi-Metal
190	-	#4	16.76	02509190
200	#4	#3	21.14	02509200
210	#3	#2	26.67	02509210
220	#2	#1	33.62	02509220
230	#1	1/0	42.41	02509230
240	1/0	2/0	53.49	02509240
250	2/0	3/0	67.43	02509250
260	3/0	4/0	85.01	02509260
270	4/0	250	26.67	02509270

Each kit contains the following:

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|---|--------------------------|-----------|
| 1 | Elbow connector housing | 274BELR-W |
| 1 | Bi-metal compression lug | 02509XXX |
| 1 | Probe wrench | 271-94 |
| 1 | Probe | 274LRF |
| 1 | Tube, lubricant | 82-08 |
| 1 | Installation instruction | IS-0289 |
| 1 | Crimp chart | CC-0020 |