

Issue Date: 11/12/2012

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File: PSS-375LR-W5X

35kV	200A Loadbreak Elbow	w/o Test Point	375LR-W5X
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Features:

- 35kV, 200 Amp Loadbreak Elbow
- Fully shielded, fully submersible molded rubber housing
- 100% peroxide-cured construction includes insulation and conductive EPDM materials
- Provision for hot stick operation
- Provision for ground wire connection
- Wide cable range with minimum number of sizes
- Long bi-metal compression lug is standard

375LR Loadbreak Elbow Connector

Applications:

The Elastimold® 375LR Elbow Connector is a fully rated 35kV, 200 Amp Class loadbreak connector. It includes provisions for energized operation using standard hotstick tools allowing loadmaking/loadbreak operation and a visible disconnect. It has a standard interface for connecting to 35kV, 200 Amp bushing inserts, junctions and operating accessories. The 375LR is equipped with an integral voltage test point. The 375LR is designed for connecting to and operating 35kV Class, 200 Amp distribution apparatus. It provides a convenient method to connect or disconnect systems. The 375LR allows connection of cables with insulation diameters from .850" (21.6mm) to 1.465" (37.2mm) with only four elbow sizes. (1/0 solid, 345 mil to 4/0 stranded, 345 mil)

Ratings:

Meets ANSI/IEEE Standard 386, Latest Revision

For 35kV Voltage Class 1 Ø and 3 Ø:

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 @ 3p.C. sensitivity
 200 Amp – Continuous and Loadbreak
 10kA Sym – 10 Cycles Momentary & Fault Close

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CATALOG NUMBER SELECTION

Step 1 (W)

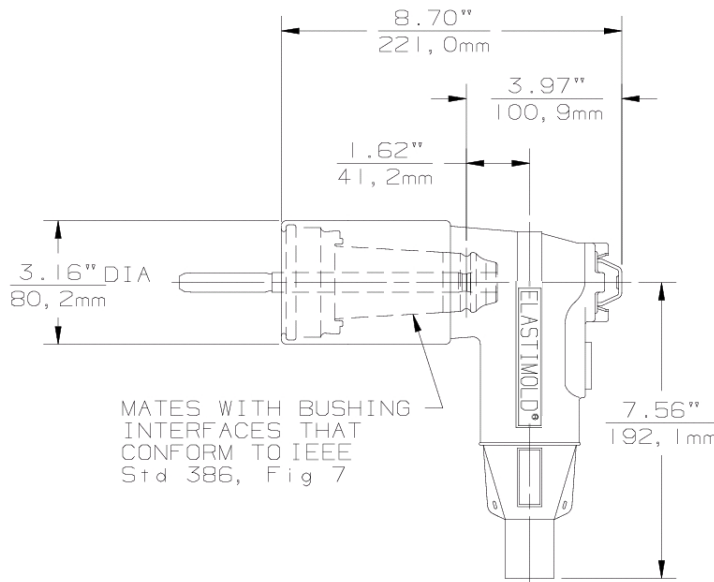
Determine the insulation diameter of the cable.
Select the insulation letter code that best straddles the insulation diameter from W table below. Insert code into catalog number.

Step 2

Insert conductor material code from the Material Code table.

Step 3 (X)

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



Material Code

Copper*	2
Bi-metal**	5

W Code



XXX Code



375LR

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Cable Insulation Diameter in Inches		Cable Insulation Diameter in mm		Symbol for W
MIN.	MAX.	MIN.	MAX.	
.850	1.050	21.59	26.67	H
.980	1.180	24.89	29.97	J
1.090	1.310	27.69	33.27	K
1.235	1.465	31.37	37.21	L

XXX Code	Conductor Size AWG or kcmil			Connector only	
	Strand./ Compr.	Solid/ Comp.	mm ²	Bi-Metal	Copper
240	1/0	2/0	53.49	02500240	02702240
250	2/0	3/0	67.43	02500250	02702250
260	3/0	4/0	85.01	02500260	02702260
270	4/0	250	26.67	02500270	02702270

Example:

The ordering number for an Elbow Connector for a 1/0 compressed/stranded, 345 mil wall cable with an insulation diameter of 1.045" to 1.145" is 375LR-J5240.

Each kit contains the following:

1	Elbow connector housing	375BLR-W
1	Bi-metal compression lug	02500XXX
1	Probe	375LRF
1	Probe wrench	271-94
1	Tube, lubricant	82-08
1	Installation instruction	IS-0359
1	Crimp chart	CC-0024

Notes:

* Copper compression lug suitable for all copper conductor only.

** Bi-metal compression lug with universal aluminum barrel suitable for copper or aluminum conductors.