

Issue Date: 06/25/2023

Page: 1 of 3

File: PSS-162LR-W5X

15kV	200A Loadbreak Elbow	w/ Test Point	162LR-W5X
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Features:

- 15kV, 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
- Non-corrosive capacitive test point

162LR Loadbreak Elbow Connector

Applications:

The Elastimold® 162LR Elbow Connector is a fully rated 15kV, 200 Amp Class loadbreak connector. It includes provisions for energized operation using standard hotstick tools allowing loadmake/loadbreak operation and a visible disconnect. It has a standard interface for connecting to 15kV, 200 Amp bushing inserts, junctions, and operating accessories. The 162LR is designed for connecting to and operating 15kV Class, 200 Amp distribution apparatus. It provides a convenient method to connect/disconnect cable and equipment on power distribution systems. The 162LR allows connection of cables with insulation diameters from .575" (14,6mm) to 1.220" (31,0mm) with only four elbow sizes. (#4 solid, 175 mil to 4/0 stranded, 260 mil)

Ratings:

Meets ANSI/IEEE Standard 386, Latest Revision

For 15kV Voltage Class:

8.3kV Max Phase-to-Ground – Operating Voltage
 14.4kV Max Phase-to-Phase
 95kV BIL – Impulse Withstand (1.2 x 50 microsecond wave)
 34kV AC – One minute withstand
 53kV DC – 15 minutes withstand
 11kV 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)

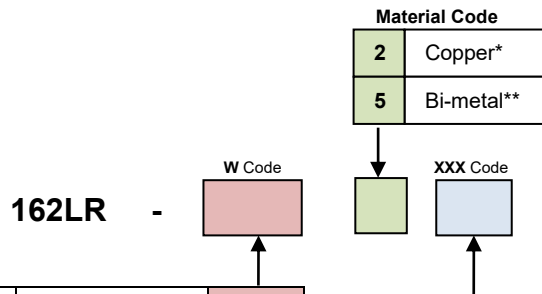
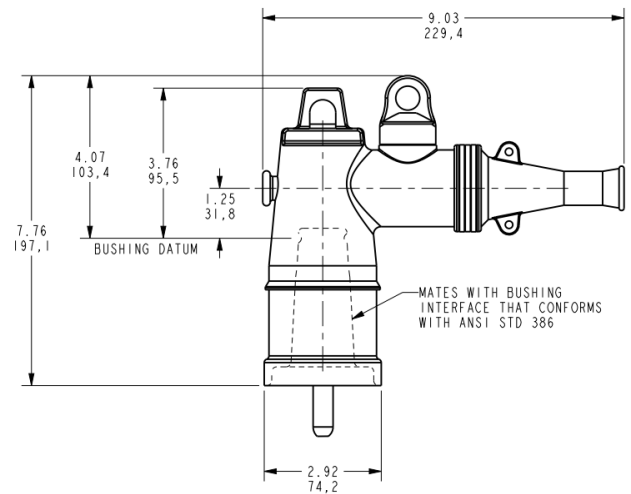
Determine the insulation diameter of the cable.
Select the insulation letter code that best straddles the insulation diameter from W table below. Insert code into catalog number.

Step 2

Insert conductor material code from the Material Code table.
Code 5 is standard.

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 mm		Symbol for W
MIN.	MAX.	MIN.	MAX.	
0.575	0.740	14.61	18.80	A
0.635	0.905	16.13	22.99	B
0.805	1.060	20.45	26.92	C
0.890	1.220	22.61	30.99	D

Example:

The ordering number for an Elbow Connector for a 1/0 compressed/stranded, 220 mil wall cable with an insulation diameter of .805" to .895" and capacitive test point is 162LR-B5240.

Each kit contains the following:

1	Elbow connector housing	162BLR-W
1	Bi-metal compression lug	02500XXX
1	Probe	166LRF
1	Probe wrench	271-94
1	Tube, lubricant	82-08
1	Crimp chart	CC-0020
1	V.D Cap-Peroxide	156-7
1	Installation Instruction	IS-1378

XXX Code	Conductor Size AWG or kcmil			Connector only	
	Strand./ Compr.	Solid/ Comp.	mm ²	Bi-Metal	Copper
190	-	#4	16.76	02500190	02702190
200	#4	#3	21.14	02500200	02702200
210	#3	#2	26.67	02500210	02702210
220	#2	#1	33.62	02500220	02702220
230	#1	1/0	42.41	02500230	02702230
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	107.20	02500270	02702270

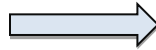
Notes:

* Copper compression lug suitable for all copper conductor only.

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

15 kV 200A Loadbreak Elbow Enhancement

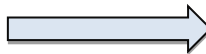
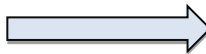
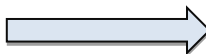
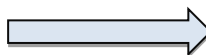
15 kV Loadbreak (Current)	
	
Elbow Connector 165LR-W5X	Elbow Connector w/ Test Point 166LR-W5X
	
Jacket Seal Elbow 165LRJS-W5X	Jacket Seal Elbow w/ Test Point 166LRJS-W5X



15 kV Loadbreak (Enhanced)	
	
Elbow Connector 161LR-W5X	Elbow Connector w/ Test Point 162LR-W5X
	
Jacket Seal Elbow 161LRJS-W5X	Jacket Seal Elbow w/ Test Point 162LRJS-W5X



Applicable Catalog #s	Min (in.)	Max (in.)	Symbol
165LR 166LR 165LRJS 166LRJS	0.575	0.740	A
	0.635	0.905	B
	0.805	1.060	C
	0.890	1.220	D



Symbol	Min (in.)	Max (in.)	Applicable Catalog #s
A	0.575	0.740	161LR 162LR 161LRJS 162LRJS
B	0.635	0.905	
C	0.805	1.060	
D	0.890	1.220	