

Issue Date: 03/23/2015

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File: PSS-261LRJS-W5X

28kV	200A Jacket Seal Loadbreak Elbow	w/o Test Point	261LRJS-W5X
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Features:

- 28kV, 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
- Built in cable jacket seal

261LRJS Jacket Seal Loadbreak Elbow Connector

Applications:

The Elastimold® 261LRJS Elbow Connector is a fully rated 28kV, 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 28kV, 200 Amp bushing inserts, junctions and operating accessories. The 261LRJS is designed for connecting to and operating 28kV Class, 200 Amp distribution apparatus. It provides a convenient method to connect/disconnect systems. Elastimold's 28 kV 200 Amp Loadbreak Elbow allows connection of cables with insulation diameters from .575" (20.3mm) to 1.31" (29.7mm) with five elbow sizes (#2 solid to 4/0 stranded, 260 mil). The 261/262 series covers the 0.575" to 1.22" range with four sizes (A to D) and the 275/276 covers the 1.09" to 1.31" range with one size (E).

Ratings:

Meets ANSI/IEEE Standard 386, Latest Revision

For 28kV Voltage Class:

16.2kV Max Phase-to-Ground – Operating Voltage
 28kV Max Phase-to-Phase
 140kV BIL – Impulse Withstand (1.2 x 50 microsecond wave)
 45kV AC – One minute withstand
 84kV DC – 15 minutes withstand
 21.5kV 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)

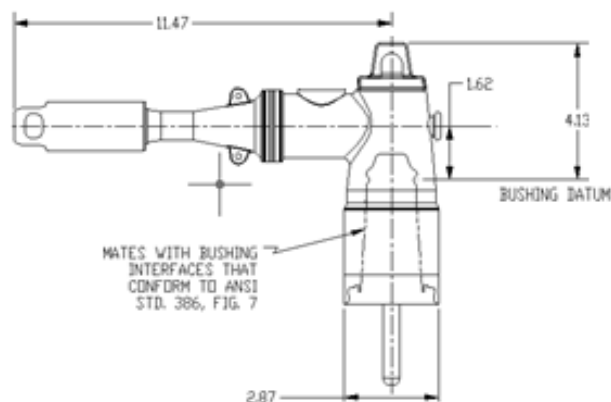
Determine the insulation diameter of the cable.
Select the insulation letter code that best straddles the insulation diameter from W table below. Insert code into catalog number.

Step 2

Insert conductor material code from the Material Code table.

Step 3 (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 an Elbow Connector w/ Jacket Seal for a 1/0 compressed/stranded, 260 mil wall cable with an insulation diameter of .885" to .975" and without a capacitive test point is 262LRJS-C5240.

261LRJS



Cable Insulation Diameter in Inches		Cable Insulation Diameter in mm		Symbol for W
MIN.	MAX.	MIN.	MAX.	
0.575	0.740	14.6	18.8	A
0.635	0.905	16.1	23.0	B
0.805	1.060	20.5	26.9	C
0.890	1.220	22.6	31.0	D

275LRJS

Cat # just for Size "E"

Cable Insulation Diameter in Inches		Cable Insulation Diameter in mm		Symbol for W
MIN.	MAX.	MIN.	MAX.	
1.090	1.310	27.68	33.27	E

Material Code	
2	Copper*
5	Bi-metal**



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

Each kit contains the following:

1	Elbow connector housing	261LRJS-W
1	Bi-metal compression lug	02500XXX
1	Probe	274LRF
1	Probe wrench	271-94
1	Tube, lubricant	82-08
1	Crimp chart	CC-0020
1	Installation Instruction	IS-1381

Notes:

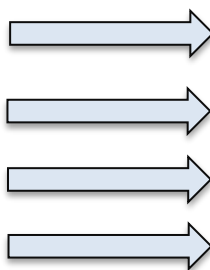
* Copper compression lug suitable for all copper conductors only.

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

28 kV 200A Loadbreak Elbow Enhancement

28 kV Loadbreak (Current)		28 kV Loadbreak (Enhanced)	
			
Elbow Connector 275LR-W5X	Elbow Connector w/ Test Point 276LR-W5X	Elbow Connector 261LR-W5X	Elbow Connector w/ Test Point 262LR-W5X
			
Jacket Seal Elbow 275LRJS-W5X	Jacket Seal Elbow w/ Test Point 276LRJS-W5X	Jacket Seal Elbow 261LRJS-W5X	Jacket Seal Elbow w/ Test Point 262LRJS-W5X

Applicable Catalog #s	Min (in.)	Max (in.)	Symbol
275LR 276LR 275LRJS 276LRJS			
	0.635	0.905	B
	0.800	1.060	CC
	0.940	1.170	DD



Symbol	Min (in.)	Max (in.)	Applicable Catalog #s
A*	0.575	.740	261LR 261LRJS 262LR 262LRJS
B	0.635	.905	
C	0.805	1.060	
D	0.890	1.220	

Applicable Catalog #s	Min (in.)	Max (in.)	Symbol
275LR 276LR 275LRJS 276LRJS	1.090	1.310	E**

**No change on
"E" size**



Symbol	Min (in.)	Max (in.)	Applicable Catalog #s
E**	1.090	1.310	275LR 276LR 275LRJS 276LRJS

Notes: * New cable entrance size available.

** Size "E" catalog number remains unchanged.