

Issue Date: 7/25/2011

Page: 1 of 2

File: PSS-K656RLR

15/25kV	600A Deadbreak Replacement Elbow	w/ Test Point	K656RLR
---------	----------------------------------	---------------	---------



Features:

- Fully rated 15/25kV, 600 Amp Deadbreak Product
- 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.
- Extends connection for shorter cable application.
- Noncorrosive capacitive test point.

K656RLR Replacement Elbow Connector (with Test Point)

Applications:

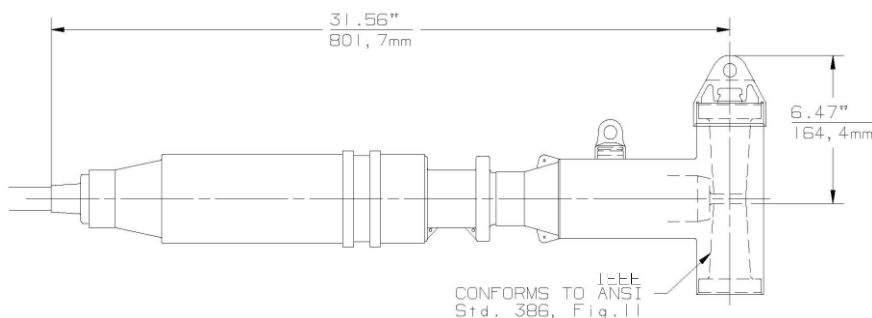
The Elastimold K656RLR deadbreak replacement elbow housings are a component of the Elastimold 600 A elbow product line. The K656RLR can be used in applications where the cable has been severed and is not long enough to reach the elbow. Replacement elbows provide the ability to make a stable connection through use of a bus bar and cable adapter with a 600 Series elbow and straight receptacle.

Ratings:

Meets ANSI/IEEE Standard 386, Latest Revision
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
600 Amp – Continuous
25kA Sym – 10 Cycles Momentary

Meets ANSI/IEEE Standard 386, Latest Revision
25kV 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
600 Amp – Continuous
25kA Sym – 10 Cycles Momentary

15/25kV	600A Deadbreak Replacement Elbow	w/ Test Point	K656RLR
---------	----------------------------------	---------------	---------



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

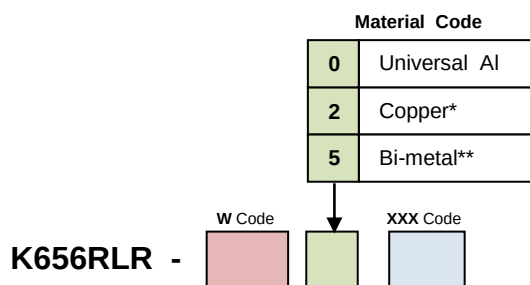
Insert conductor material code from the Material Code table.
Code 0 is standard.

Step 3 (X)

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

Example:

The ordering number for a 600 Amp Elbow Replacement Connector for cable with insulation diameter of .830" and 1/0 stranded/compressed aluminum conductor is K655RLR-G0240.



Cable Insulation Diameter in Inches		Cable Insulation Diameter in mm		Symbol for W
MIN.	MAX.	MIN.	MAX.	
0.64	0.82	16.26	20.83	F
0.76	0.95	19.30	24.13	G
0.85	1.05	21.59	26.67	H
0.98	1.18	24.89	29.97	J
1.09	1.31	27.69	33.27	K
1.18	1.465	29.97	37.21	L
1.28	1.43	32.51	36.32	LM
1.37	1.63	34.80	41.40	M
1.515	1.78	38.48	45.21	N
1.725	1.935	43.82	49.15	P

Each kit contains the following:

1	Elbow connector housing	K655BLR
1	Tube, lubricant	82-08
1	Stud	650SA
1	Installation Instruction	IS-0723
1	Replacement housing	K655BRLR
1	Insulating Plug	K650BIP
1	Cable Adapter	655CA- <u>W</u>
1	Connector	03700- <u>XXX</u>
1	Adapter Retaining Ring	650ARR- <u>X</u>
1	Washer and Bolt	650BAW

XXX Code	Conductor Size AWG or kcmil			Connector only		
	Strand./ Compr.	Solid/ Comp.	mm ²	Bi-Metal	Copper	Bi-metal
210	-	#2	26.67	03700210	03702210	04601210
220	#2	#1	33.62	03700220	03702220	04601220
230	#1	1/0	42.41	03700230	03702230	04601230
240	1/0	2/0	53.49	03700240	03702240	04601240
250	2/0	3/0	67.43	03700250	03702250	04601250
260	3/0	4/0	85.01	03700260	03702260	04601260
270	4/0	250	107.16	03700270	03702270	04601270
280	250	300	126.68	03700280	03702280	04601280
290	300	350	152.01	03700290	03702290	04601290
300	350	400	177.35	03700300	03702300	04601300
310	400	450/500	202.68	03700310	03702310	04601310
320	450	550	228.02	03700320	03702320	04601320
330	500	600	253.35	03700330	03702330	04601330
340	550	650	278.69	03700350	03702350	04601350
350	600	700	304.02	03700360	03702360	04601360
360	650	750	329.36	03700380	03702380	04601380
380	700/750	800/900	354.69	03700390	03702390	04601390
390	800	-	405.36	03700400	03702400	04601400
400	900	1000	456.03	03700410	03702410	04601410
410	1000	-	506.70	03700420	03702420	04601420
420	-	1250	633.38	03700440	03702440	04601440
440	1250	-	126.68	03700210	03702210	04601210