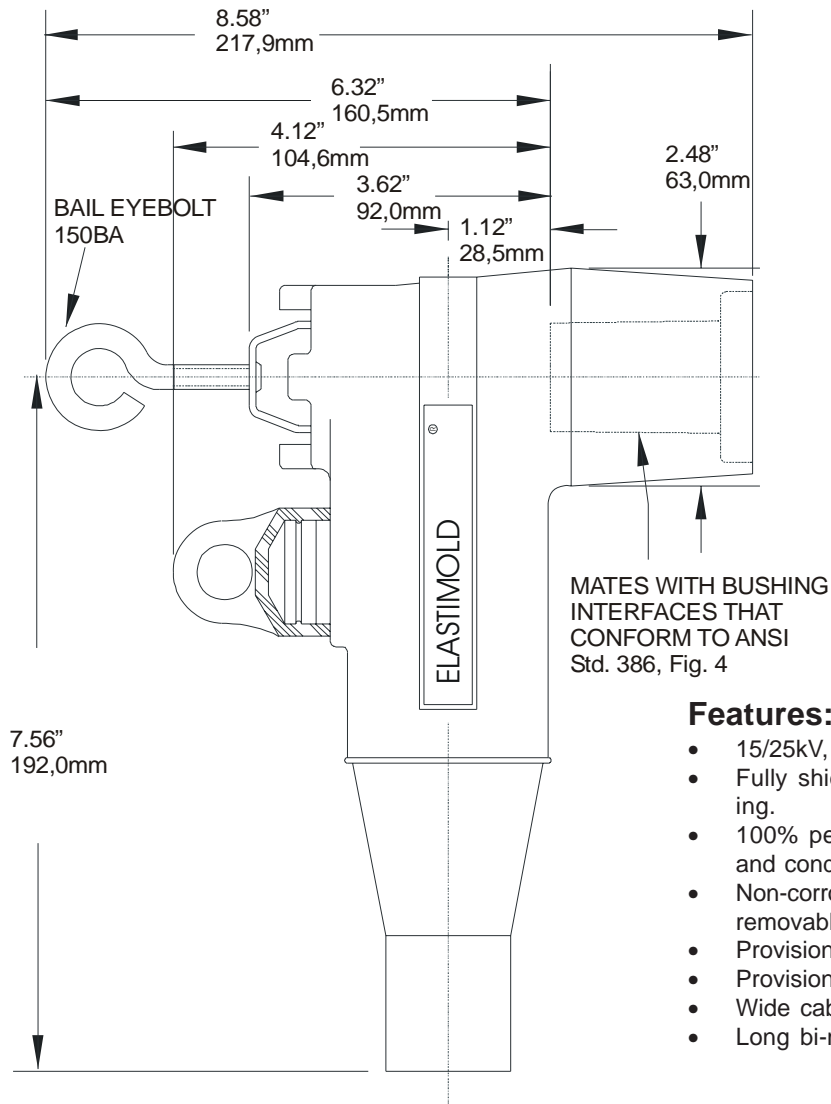


PRODUCT SPECIFICATION SHEET
I T C
15/25kV 200A Dead-break Elbow
156LR-WX

Features:

- 15/25kV, 200 Amp Dead-break Elbow.
- Fully shielded, fully submersible molded rubber housing.
- 100% peroxide-cured construction includes insulation and conductive EPDM materials.
- Non-corrosive, capacitively coupled voltage test point with removable protective cap.
- 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.

Ratings:

 per ANSI/IEEE Standard 386
 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 @ 3 pC sensitivity

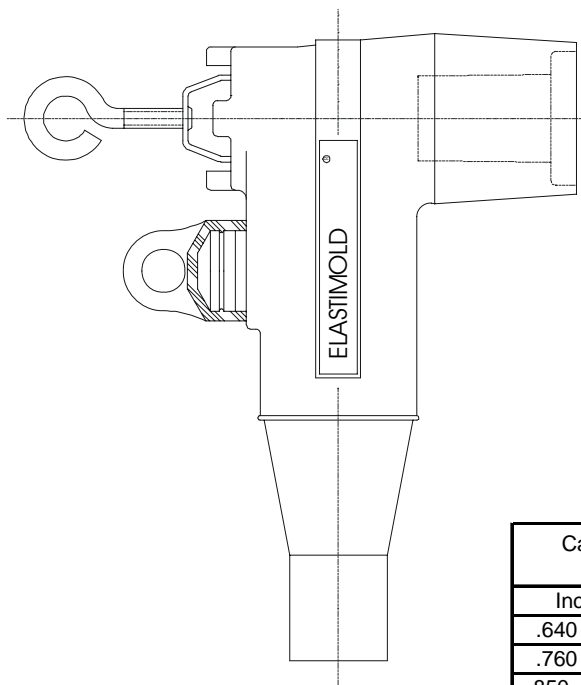
200 Amp - Continuous current

10kA Sym - 10 Cycles momentary current

The Elastimold 156LR Elbow Connector is a fully-rated 15/25kV, 200Amp Class dead-break connector. Units include provisions for de-energized operation using standard hot stick tools. It has a standard interface for connecting to 15/25kV, 200Amp dead-break bushing inserts, junctions and other accessories. The 156LR is equipped with an integral voltage test point.

15/25kV 200A Dead-break Elbow

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Ordering Instruction:

Step 1 (W)

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

Step 2 (M)

Determine connector material, 2 - for copper and 5 - for copper top bi-metal.

Step 3 (X)

Choose the proper compression lug code according to the conductor size. Insert code into the catalog number after the insulation code.

156LR – – **2 or 5**

Step 1 (W) Step 2 (M) Step 3 (X)

Cable Insulation Dia. Range		Elbow Code
Inches	mm	
.640 - .820	16,3 - 20,8	F
.760 - .950	19,3 - 24,1	G
.850 - 1.050	21,6 - 26,7	H
.980 - 1.180	24,9 - 30,0	J
1.090 - 1.310	27,7 - 33,3	K

COMPRESSION LUG			
AWG or kcmil		mm ²	Symbol for "X"
Stranded/Compr.	Solid/Compact	Compact Only	
--	2	25	210
2	1	35	220
1	1/0	50	230
1/0	2/0	60	240
2/0	3/0	70	250
3/0	4/0	95	260
4/0	250	125	270

Cu or AL conductor

The Dead-break Elbow Connector kit contains the following:

- 1 – Elbow connector housing 156BLR-W
- 1 – Bi-metal compression lug 02500XXX (table R)
- 1 – Pin contact 156LRF
- 1 – Probe hex wrench 650-14-3TN
- 1 – Bail assembly 150-BA
- 1 – Tube, lubricant 82-08
- 1 – Installation instruction IS-0092
- 1 – Crimp chart CC-0020 (AL), 0024 (CU)

Example:

The ordering number for an Elbow Connector for a 1/0 stranded, 220 mil wall cable with an insulation diameter of .875" (22.2 mm) is 156LR-G-5240.

For an all-copper compression lug for use on copper cable only, substitute the prefix "2" instead of "5" in the compression lug code. The ordering number would be 156LR-G-2240.

Table R

REPLACEMENT COMPRESSION LUG NUMBER				
AWG or kcmil		mm ²	Symbol for COPPER	Symbol for BI-METAL
Stranded/Compr.	Solid/Compact	Compact Only		
--	2	25	02702210	02500210
2	1	35	02702220	02500220
1	1/0	50	02702230	02500230
1/0	2/0	60	02702240	02500240
2/0	3/0	70	02702250	02500250
3/0	4/0	95	02702260	02500260
4/0	250	125	02702270	02500270