

200A Loadbreak Elbows (15kV, 25kV)

FEATURES

- Peroxide cured EPDM rubber ensures low tension set and high dielectric strength
- 100% factory production tested for partial discharge and AC Hipot per IEEE 386
- Optional capacitive test point
- Molded semiconducting shield provides ground shield continuity in accordance with IEEE 592
- Conforms to IEEE Standard 386

APPLICATIONS

- TE's Raychem loadbreak elbow connectors are designed to terminate underground cables to high-voltage apparatus such as transformers and switchgear that are equipped with bushings.
- Designed for use on extruded (XLPE or EPR) solid dielectric cable with conductor range from #1 AWG to 250 kcmil aluminum or copper conductors (insulation diameters from .575 to 1.304 inches).

BENEFITS

- ♦ Loadbreak elbows are designed for use with standard hotstick tools, which allows a loadmake/break operation with a physical disconnect.
- ♦ The 200A loadbreak elbow kit includes a copper top compression connector, which connects the cable with the loadbreak probe. Connector is easy to crimp, and suitable for aluminum and copper conductors, and forms a reliable connection.
- ♦ The elbow can be ordered with an integral jacket seal (part number suffix -ES), which is an environmental seal molded to the elbow that prevents moisture ingress.



ELB-15-210

ELB-15 **1** **2** **3** **4**

1 Current Rating | Test Point Code

200 = 200 AMP WITHOUT test point
210 = 210 AMP WITH test point

2 Cable Insulator O.D. Range

Code	Inches	mm
A	.575 - .740	14.6 - 18.8
B	.640 - .905	16.2 - 23.0
C	.830 - 1.060	21.1 - 26.9
D	.930 - 1.220	23.6 - 31.0

3 Compression Lugs | Conductor Size (Aluminum or Copper)

Code	Str/Comp	Compact	Solid
3	3	2	2
2	2	1	1
1	1	1/0	1/0
10	1/0	2/0	2/0
20	2/0	3/0	3/0
30	3/0	4/0	4/0
40	4/0	250	250

4 Jacket Sealing

Code	Type
Blank	No Jacket Seal
ES	Integral Jacket Seal

Ratings	15 kV	25 kV
Minimum Partial Discharge	11	19
Max Rating Phase-to-Ground	8.3	15.2
Max Rating Phase-to-Phase	14.4	26.3
AC 60 Hz 1 Minute Withstand (rms)	34	40
DC 15 Minute Withstand	53	78
BIL and Full Wave (Crest)	95	125

ELB-25-210

ELB-25 **1** **2** **3** **4**

1 Current Rating | Test Point Code

200 = 200 AMP WITHOUT test point
210 = 210 AMP WITH test point

2 Cable Insulator O.D. Range

Code	Inches	mm
B	.72 - .88	18.3 - 22.4
BB	.85 - 1.01	21.6 - 25.7
C	.92 - 1.08	23.4 - 27.4
D	1.04 - 1.20	25.4 - 30.5

3 Compression Lugs | Conductor Size (Aluminum or Copper)

Code	Str/Comp	Compact	Solid
2	2	1	1
10	1/0	2/0	2/0
20	2/0	3/0	3/0
30	3/0	4/0	4/0
40	4/0	250	250

4 Jacket Sealing

Code	Type
Blank	No Jacket Seal
ES	Integral Jacket Seal

RELATED TEST REPORT:

EDR-5574 (15 kV)
EDR-5581 (25 kV)

Elbow Kit Contents:

Elbow body
Copper top terminal
Loadbreak probe
Silicone lubricant
Installation instructions sheet
Probe installation tool
Sealing mastic (integral seal only)