



Raychem ELB-15-210

15 kV, 200A Loadbreak Elbow

KEY 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 Standard
- Capacitive test point
- Fits 15 kV cables up to 250 kcmil
- Molded semiconducting shield provides ground shield continuity in accordance with IEEE 592
- Conforms to IEEE Standard 386

TE Connectivity's ELB-15-210 elbows are designed to terminate underground cables to high-voltage apparatus such as transformers and switchgear that are equipped with bushings. They are fully shielded and fully submersible and are designed in accordance to IEEE Standard 386 - latest revision. Loadbreak elbows are designed for use with standard hotstick tools, which allows a loadmake/break operation with a physical disconnect.

They are designed for use on extruded (XLPE or EPR) solid dielectric cable. The conductor range is from #2 AWG to 250 kcmil for aluminum or copper conductors with insulation diameters from 0.370" to 1.060".

This 200A Loadbreak elbow includes a copper top compression connector, which connects the cable with the loadbreak probe. This connector is easy to crimp, is suitable for aluminum and copper conductors, and forms a reliable connection.

Optional Integral Jacket Seal

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.

Raychem
from TE Connectivity

15 kV, 200A Loadbreak Elbow with Integral Seal



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

Production Tests:

- AC 1 Minute Withstand 34 kV
- Minimum Corona Level 11 kV (3pC)
- Test Point Voltage Test

Ratings	
Description	A rms
Continuous Current	200
Switching Current	200
Fault-closure Current for 0.17s after 10 Switching Operations	10,000 symmetrical
Short-time Current for 0.17s	10,000 symmetrical
Short-time Current for 3.00s	3,500 symmetrical

15 kV, 200A Loadbreak Elbow Size Reference Chart

Cable Size (AWG/kcmil)		Insulation Diameter	175 mil (100%) Insulation		220 mil (133%) Insulation	
STR/COMPR	COMPT/SOL	in (mm)	No Jacket Seal	Integral Jacket Seal	No Jacket Seal	Integral Jacket Seal
#2	#1	0.64-0.905 (16.2-23.0)	ELB-15-210B2	ELB-15-210B2-ES	ELB-15-210B2	ELB-15-210B2-ES
#1	1/0	0.64-0.905 (16.2-23.0)	ELB-15-210B1	ELB-15-210B1-ES	ELB-15-210B1	ELB-15-210B1-ES
1/0	2/0	0.64-0.905 (16.2-23.0)	ELB-15-210B10	ELB-15-210B10-ES	ELB-15-210B10	ELB-15-210B10-ES
2/0	3/0	0.64-0.905 (16.2-23.0)	ELB-15-210B20	ELB-15-210B20-ES	ELB-15-210C20	ELB-15-210C20-ES
3/0	4/0	0.83-1.06 (21.1-26.9)	ELB-15-210C30	ELB-15-210C30-ES	ELB-15-210C30	ELB-15-210C30-ES
4/0	250	0.83-1.06 (21.1-26.9)	ELB-15-210C40	ELB-15-210C40-ES	ELB-15-210C40	ELB-15-210C40-ES

Related Test Report:

EDR-5574

Elbow Kit Contents:

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

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