



Raychem ELB-25-210 25 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 provided on elbow
- Fits 25 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 (TE's) ELB-25-210 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 #1 AWG to 250 kcmil for aluminum or copper conductors with insulation diameters from 0.370" to 1.060".

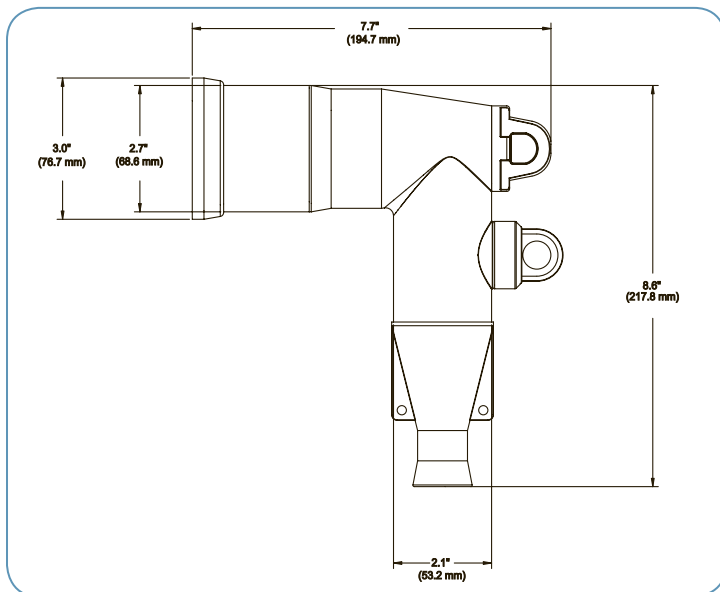
This 200A loadbreak elbow includes a copper top compression connector, which connects the cable with the loadbreak probe. Connector is easy to crimp, and suitable for aluminum and copper conductors, and forms a reliable connection.

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

25 kV, 200A Loadbreak Elbow



Ratings

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

Production Tests:

- AC 1 Minute Withstand 40 kV
- Minimum Corona Level 19 kV (3pC)
- Test Point Voltage Test

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

200A, 25 kV Loadbreak Elbow Size Reference Chart

Cable Size (AWG/kcmil)		Insulation Diameter	25 kV - 260 mil (100%) Insulation	
STR/COMPR (AWG/kcmil)	COMPT/SOL	in (mm)	No Jacket Seal	Integral Jacket Seal
#1	1/0	0.720 - 0.985 (18.3 - 25.0)	ELB-25-210B1	ELB-25-210B1-ES
1/0	2/0	0.720 - 0.985 (18.3 - 25.0)	ELB-25-210B10	ELB-25-210B10-ES
2/0	3/0	0.920 - 1.185 (23.4 - 30.1)	ELB-25-210C20	ELB-25-210C20-ES
3/0	4/0	0.920 - 1.185 (23.4 - 30.1)	ELB-25-210C30	ELB-25-210C30-ES
4/0	250	1.040 - 1.304 (26.4 - 33.1)	ELB-25-210D40	ELB-25-210D40-ES

Related Test Report:

Test Reports: EDR 5581 (25 kV ELB), 5579 (25 kV LRTP/ETP), 5580 (25 kV ELB-BI), Applicable standards: IEEE 386; IEEE 592

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