

Loadbreak Elbow: 200A, 15 and 25 kV



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Our Raychem ELB Load Break Elbow 200 Amp Series includes 15 kV and 25 kV connectors. They provide a convenient solution to connect underground cables to high-voltage apparatus such as transformers and switchgear.



Loadbreak Connection Product Availability: **AMERICAS**

Loadbreak Connection Technology: **Cold Applied**

Loadbreak Connection Connector Type: **Compression**

Bushing Type: **200A**

Loadbreak Connection Conductor Material: **Aluminum/Copper**

Our Raychem ELB Load Break Elbows 200 Amp are fully shielded and submersible separable connectors designed in accordance with IEEE Standard 386- latest revision.

They can be installed with standard hot stick tools, which allow a load make-break operation with a physical disconnect. ELB-200 series is for use on extruded (XLPE or EPR) solid dielectric cable, with a conductor range from #1 AWG to 250 kcmil for aluminum or copper conductors with insulation diameters from 0.370" to 1.060".

This 200A Load Break Elbow includes a copper top compression connector, which connects the cable with the load break probe. The connector is easy to crimp, suitable for aluminum and copper conductors, and forms a reliable connection.

The ELB-200 series can be ordered with an integral environmental jacket seal molded to the elbow that prevents moisture ingress (part number suffix -ES).

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 the elbow
- Fits 15 kV and 25 kV cables up to 250 kcmil
- The molded semiconducting shield provides ground shield continuity in accordance with IEEE 592
- Conforms to IEEE Standard 386



Improving Grid Connectivity

Our Raychem Separable Connectors Range

Discover our Range of Raychem Separable Connectors

Features

Product Type Features

Insulation	Polymeric
Loadbreak Connection Technology	Cold Applied
Loadbreak Connection Connector Type	Compression
Bushing Type	200A

Electrical Characteristics

Loadbreak Connection Voltage Class (kV)	≤ 15, ≤ 25
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Body Features

Loadbreak Connection Conductor Material	Aluminum/Copper
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Dimensions

Loadbreak Connection Conductor Diameter (mm)	.63 - .9, .72 - .88, .83 - 1.05, .85 - 1.01, .92 - 1.07, .92 - 1.18, 1.03 - 1.2
Loadbreak Connection Insulation Diameter (mm)	16.2 - 23, 18.3 - 22.4, 21.1 - 26.9, 21.6 - 25.7, 23.4 - 27.4, 23.4 - 30.1, 26.4 - 30.5
Cross-Section Range (mm²)	33.6 - 42.4, 53.4 - 67.2
Cross-Section Range (AWG/kcmil)	1/0 STR-CMPR, 2/0 CPT, 2 - 1

Operation/Application

Application Type	Loadbreak Elbow
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Industry Standards

UL Rating	No
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Product Availability

Loadbreak Connection Product Availability	AMERICAS
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Reference Number

TE Internal Number	CAT-ELB
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SEE PRODUCTS ON NEXT PAGE



Products (1 of 5)



ELB-15-210B2



ELB-15-210B10



ELB-15-210C40



ELB-15-210B10-ES

TE Part #	EE5623-000	EE5624-000	EE5627-000	FG1283-000
Loadbreak Connection Voltage Class	≤ 15 kV	≤ 15 kV	≤ 15 kV	≤ 15 kV
Loadbreak Connection Conductor Diameter	.63 - .9 mm	.63 - .9 mm	.83 - 1.05 mm	.63 - .9 mm
Loadbreak Connection Insulation Diameter	16.2 - 23 mm	16.2 - 23 mm	21.1 - 26.9 mm	16.2 - 23 mm
Cross-Section Range	33.6 - 42.4 mm²	53.4 - 67.2 mm²		53.4 - 67.2 mm²
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	Not EU RoHS Compliant
EU ELV Directive 2000/53/EC	Out of Scope for EU ELV	Out of Scope for EU ELV	Out of Scope for EU ELV	Not Yet Reviewed for EU ELV
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM ELB	RAYCHEM ELB	RAYCHEM ELB	RAYCHEM ELB

*EU RoHS Directive 2011/65/EU

These products comply with the substance restrictions of the Restriction on Hazardous Substances Directive 2011/65/EU (RoHS2). The RoHS2 Directive requires that certain electrical and electronic equipment products do not contain mercury, cadmium, hexavalent chromium, PBB, PBDE, lead, DEHP, BBP, DBP and DIBP above defined thresholds. Products indicated as 'Compliant' do not contain any of these substances above the prohibition thresholds. Finished electrical and electronic equipment products will be CE marked as required by the Directive. Components may not be CE marked.

**EU ELV Directive 2000/53/EC

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Products (2 of 5)



ELB-25-210B10-ES



ELB-15-200C10



ELB-15-210B2-ES



ELB-15-210B1-ES

TE Part #	FG1457-000	BM1541-000	FG1284-000	FG1885-000
Loadbreak Connection Voltage Class	≤ 25 kV	≤ 15 kV	≤ 15 kV	≤ 15 kV
Loadbreak Connection Conductor Diameter	.72 - .88 mm	.83 - 1.05 mm	.63 - .9 mm	.63 - .9 mm
Loadbreak Connection Insulation Diameter	18.3 - 22.4 mm	21.1 - 26.9 mm	16.2 - 23 mm	16.2 - 23 mm
Cross-Section Range	53.4 - 67.2 mm ²	53.4 - 67.2 mm ²	33.6 - 42.4 mm ²	
EU RoHS Directive 2011/65 /EU	Not EU RoHS Compliant	EU RoHS Compliant	Not EU RoHS Compliant	Not EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant	EU ELV Compliant	Not Yet Reviewed for EU ELV	EU ELV Compliant
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM ELB	RAYCHEM ELB	RAYCHEM ELB	RAYCHEM ELB

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Products (3 of 5)



ELB-15-210B30-ES



ELB-15-210B3-ES



ELB-25-210C10



ELB-25-210C10-ES

TE Part #	FG1886-000	FG1887-000	BM1372-000	BM1373-000
Loadbreak Connection Voltage Class	≤ 15 kV	≤ 15 kV	≤ 25 kV	≤ 25 kV
Loadbreak Connection Conductor Diameter	.63 - .9 mm	.63 - .9 mm	.92 - 1.07 mm	.92 - 1.07 mm
Loadbreak Connection Insulation Diameter	16.2 - 23 mm	16.2 - 23 mm	23.4 - 27.4 mm	23.4 - 27.4 mm
Cross-Section Range			53.4 - 67.2 mm ²	53.4 - 67.2 mm ²
EU RoHS Directive 2011/65 /EU	Not EU RoHS Compliant	Not EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM ELB	RAYCHEM ELB	RAYCHEM ELB	RAYCHEM ELB

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Products (4 of 5)



	ELB-25-200C10	ELB-25-200C10-ES	ELB-25-200B10	ELB-15-200B10
TE Part #	BM1374-000	BM1375-000	BM1376-000	BM1377-000
Loadbreak Connection Voltage Class	≤ 25 kV	≤ 25 kV	≤ 25 kV	≤ 15 kV
Loadbreak Connection Conductor Diameter	.92 - 1.07 mm	.92 - 1.07 mm	.72 - .88 mm	.63 - .9 mm
Loadbreak Connection Insulation Diameter	23.4 - 27.4 mm	23.4 - 27.4 mm	18.3 - 22.4 mm	16.2 - 23 mm
Cross-Section Range	53.4 - 67.2 mm ²	53.4 - 67.2 mm ²	53.4 - 67.2 mm ²	53.4 - 67.2 mm ²
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM ELB	RAYCHEM ELB	RAYCHEM ELB	RAYCHEM ELB

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Products (5 of 5)



ELB-15-200C40



ELB-25-210B1



ELB-25-210B40



ELB-15-210B20

TE Part #	BM1381-000	BM2053-000	BM2396-000	EE5625-000
Loadbreak Connection Voltage Class	≤ 15 kV	≤ 25 kV	≤ 25 kV	≤ 15 kV
Loadbreak Connection Conductor Diameter	.83 - 1.05 mm	.72 - .88 mm	.72 - .88 mm	.63 - .9 mm
Loadbreak Connection Insulation Diameter	21.1 - 26.9 mm	18.3 - 22.4 mm	18.3 - 22.4 mm	16.2 - 23 mm
Cross-Section Range	33.6 - 42.4 mm ²			
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53/EC	EU ELV Compliant	EU ELV Compliant	EU ELV Compliant	Out of Scope for EU ELV
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM ELB	RAYCHEM ELB	RAYCHEM ELB	RAYCHEM ELB

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Related Materials

Data Sheet

RAYCHEM ELB-25-210

English

Data Sheet

ELB-15-210 RAYCHEM

English

Also in the Series | RAYCHEM ELB



Dead Break Connections(1)



Loadbreak Connections(46)