

## COLD APPLIED ELBOW SEAL (CES)

600 AMP CLASS FOR 1/C JACKETED CABLES (15 KV - 35 KV)

### KEY FEATURES

- Highly elastic EPDM formulation enables wide cable application ranges. Just three products are able to cover the most common range of cable, 15 kV #2 - 35 kV 1500 kcmil
- No open flame or heat source is required for installation
- Meets IEEE 404 jacket sealing requirements
- Thick walled tube resists puncture and damage
- Resistant to fungus, acids, and alkalis

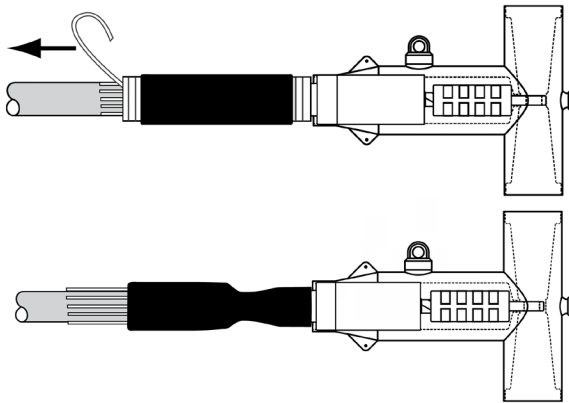
TE Connectivity's (TE's) CES Cold Applied Elbow Sealing Kit is used for sealing power cables where elbows or other cable accessories are installed. The CES is applied in 15 - 35 kV, 600A applications. It protects underground cable from moisture and airborne contaminants, and is suitable for both direct burial and submersible applications.

The kit consists of a factory-expanded tubular EPDM rubber sleeve on a spiral holdout, along with strips of mastic which are used to help create the seal.

Designed for easy field installation. After applying the mastic and cable accessory, the spiral holdout is simply pulled clear. The jacket will compress and, in combination with the mastic, form an environmental seal. An ergonomically designed spiral holdout provides a smooth installation with low release forces.

**Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.**

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**Figure A**  
Typical Installation of ELB-600-CES

### PRODUCT DIMENSIONS

Description	Typical Expanded Tube Length	Typical Relaxed Tube Length	Inner Diameter of Holdout
<b>ELB-600-CES-1</b>	5.00 (127)	6.00 (150)	1.97 (50)
<b>ELB-600-CES-2</b>	6.75 (171)	8.00 (200)	2.68 (68)
<b>ELB-600-CES-3</b>	7.50 (190)	9.00 (225)	3.85 (98)

### PRODUCT SELECTION INFORMATION

Description	Cable Size 15 kV Class	Cable Size 25 kV Class	Cable Size 35 kV Class	Minimum Cable OD	Maximum Cable OD
<b>ELB-600-CES-1</b>	2 - 4/0 AWG (35 - 100 mm <sup>2</sup> )	2 - 2/0 AWG (35 - 50 mm <sup>2</sup> )	1/0 AWG (60 mm <sup>2</sup> )	0.85" (21.5 mm)	1.42" (36 mm)
<b>ELB-600-CES-2</b>	2/0 - 1000 kcmil (70 - 500 mm <sup>2</sup> )	1/0 AWG - 750 kcmil (60 - 380 mm <sup>2</sup> )	1/0 AWG - 500 kcmil (60 - 250 mm <sup>2</sup> )	1.28" (32.5 mm)	2.13" (54 mm)
<b>ELB-600-CES-3</b>	750 - 1500 kcmil (380 - 725 mm <sup>2</sup> )	600 - 1500 kcmil (325 - 725 mm <sup>2</sup> )	350 - 1500 kcmil (180 - 725 mm <sup>2</sup> )	1.61" (41.0 mm)	3.22" (82 mm)

### KITS WITH EXTERNAL GROUNDING COMPONENTS

Catalog Number	Cable Size 15kV Class	Cable Size 25 kV Class	Cable Size 35 kV Class	Cable OD Range	Tape Shield Diameter
<b>ELB-600-CES-GRD-1</b>	#2 - 250 kcmil	#2 - 4/0 AWG	1/0 AWG	0.85" (21.5 mm) - 1.42" (36 mm)	0.67" (17mm) - 1.18" (30mm)
<b>ELB-600-CES-GRD-2</b>	250 - 900 kcmil	4/0 - 600 kcmil	1/0 - 350 kcmil	1.28" (32.5 mm) - 2.13" (54 mm)	1.18" (30mm) - 1.57" (40mm)
<b>ELB-600-CES-GRD-3</b>	900 -1500 kcmil	600 - 1500 kcmil	350 - 1500 kcmil	1.61" (41.0 mm) - 3.22" (82 mm)	1.57" (40mm) - 2.36" (60mm)

### PRODUCT SELECTION INFORMATION

1. Selections are based on the typical dimensions of 100% insulated cables, manufactured in accordance with AEIC standard. Nominal insulation thickness (100%): 15 kV:175mils, 25 kV:260mils, 35 kV:345mils.
2. Select the appropriate catalog number. Use the actual insulation OD, and jacket OD range as the final ordering criteria.
3. For other applications or if you have any questions, contact your TE representative.
4. If ordered separate from Elbow kits, standard package: 3 kits per box.
5. Related test reports: EDR-5528.

Learn more: [TE.com/energy](https://www.te-connectivity.com/energy)

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