

**Electrode Splice Enclosures Installation Instructions as per UL879 8th edition, October 22nd 2007.**

**Model Series Short Sleeve (SS) and End Cap (EC), both models including Gto Cable Sleevng Adaptor GTOCA260**

**Gto Cable Sleevng Adaptor**

**GTOCA260** for cable O.D from 0.260 to 0.315 included with both models.



**Short Sleeve**

SS10mm30mA  
SS12mm60mA  
SS13mm60mA  
SS15mm60mA



**End Cap**

EC10mm30mA  
EC12mm60mA  
EC13mm60mA  
EC15mm60mA



**General instructions and warnings**

Follow the instructions given for each assembly

**General**

- Do not paint any section of the electrode that will be covered by the electrode splice enclosure.
- Do not paint any fitting, or sleeving.
- Electrobits electrode splice enclosures are rated 7.5KV AC to ground. May be used with 15KV mid-point grounded transformers.
- Dry and damp locations use only.
- These neon electrical systems should not act as support for neon tube installation.
- Do not puncture, cut or modify any product except as per instructions given for each assembly.
- To obtain a listed sign, use these systems and fittings only with listed or recognized components.
- Always match the size of products with size of electrodes.

**Minimum installation instructions for Electrobits systems**

**Splicing for all products**



**Warning** : Risk of fire or electric shock!

Electrobits fittings, coverings and sleeveings to be used in dry and damp locations only.

**Warning** : Risk of electric shock!

Electrobits parts may be installed in indoors or outdoors sign bodies (channel letters and others, with any sign face material), portable show window signs, skeletal neon signs, etc.

**Warning** : Risk of fire!

GtoSleeving 3760 is for maximum GTO-15 cable. The sleeving is not intended to be used inside walls. No splices of GTO cable should be made in the sleeving

**Recommendation** : GTO Wiring should be spaced from any metal (including hidden structures) to reduce loading due to capacitive coupling

**Note**: You need to have the following instructions and UL product file # E129837 added to your own UL procedures if you are a UL listed sign shop and would like to use our system to obtain a UL listed sign.

**Short Sleeve Installation Instructions**

Model series : SS10mm30mA, SS12mm60mA, SS13mm60mA, SS15mm60mA

- For dry and damp locations only
- Short Sleeve to be used either with Electrobits Sleevng 3760 or Gto Cable Sleevng Adaptor GTOCA260

**E129837 Using GTO Sleevng 3760 over GTO 15 cable maximum**

- 1- Slide Sleevng 3760 over cable.
- 2- Slide Short Sleeve over GTO cable (strip one inch) and Sleevng 3760 far enough to make splice.
- 3- Make connection a splice connection between the GTO cable and the electrode.
- 4- Slide back the Short Sleeve over the electrode connection and the neon electrode until it reaches the ceramic collar or en of metal shell. Make sure the insulated cable fits properly into the molded cavity.



Step 4 Make sure to slide the Short Sleeve back up to the ceramic collar



**Using Integral Sleeve GTO cable with GTO Cable Sleevng Adaptor (GTOCA)**

For a complete list of Classified integral sleeve GTO systems please refer to the instructions on the reverse page.

- 1- Choose GTOCA according to your GTO cable outside diameter :
  - 1.1 For cables O.D. ranging from 0.260" to 0.275" (GTO15 and Integral sleeve GTO), use GTOCA260 as is.
  - 1.2 For cables O.D. ranging from 0.300" to 0.315" (Integral sleeve GTO15), you must cut the GTOCA along the parting line, as per figures below.



Step 1, 2 & Step 1,4

Discard right part after cutting

- 2- Slide appropriated GTOCA at least 5/12" onto GTO cable, flanged side first, as shown on picture below.
- 3- Slide Short Sleeve onto cable
- 4- Make connection between cable and electrode.
- 5- Insert GTOCA back into the Short Sleeve. Make sure the collar of GTOCA reaches the end of the Short Sleeve.



Step 2



Step 3



Step 4



Step 5



Step 6

- 6- Slide back the Short Sleeve over the electrode connection and the neon electrode until it reaches the ceramic collar.

**End Cap Installation Instructions**

Model series : EC10mm30mA, EC12mm60mA, EC13mm60mA, EC15mm60mA

- For dry and damp locations only.
- End Cap to be used either with Electrobits Sleevng3760 or Gto Cable Adaptor GTOCA260

**E129837 Using GTO Sleevng 3760 over GTO 15 cable maximum**

- 1- Slide Sleevng 3760 over cable.
- 2- Make connection between GTO cable and electrode.
- 3- Place Sleevng and cable along the electrode.
- 4- Slide back on the End Cap over the electrode splice connection, while maintaining the 3760 sleeving against the glass of the electrode until it reaches the ceramic color or end of the metal shell. Always make sure that the sleeving is inserted and covers all of the GTO cable up to the splice connection and into the interior of the End Cap when sliding it onto the electrode.
- 5- When installed in a damp location the open end must be mounted in a horizontal position with the open end at the same height above ground or lower than the closed end of the electrode enclosure.



Step 3

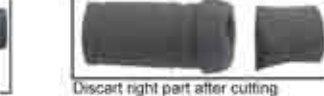


Step 4

**Using Integral Sleeve GTO cable with GTO Cable Sleevng Adaptor (GTOCA)**

For a complete list of Classified integral sleeve GTO systems please refer to the instructions on the reverse page.

- 1- Choose GTOCA according to your GTO cable outside diameter :
  - 1.1 For cables O.D. ranging from 0.260" to 0.275" (GTO15 and Integral sleeve GTO), use GTOCA260 as is.
  - 1.2 For cables O.D. ranging from 0.300" to 0.315" (Integral sleeve GTO15), you must cut the GTOCA along the parting line, as per figures below.



Step 1, 2 & Step 1,4

Discard right part after cutting

- 2- Slide appropriated GTOCA at least 2 1/2" onto GTO cable, flanged side first, as shown on picture below.
- 3- Make connection between cable and electrode.



Step 2



Step 3

- 4- Place cable and GTOCA along the electrode.
- 5- Slide back on the End Cap over the electrode splice connection, while maintaining the 3760 sleeving against the glass of the electrode until it reaches the ceramic color or end of the metal shell. Always make sure that the sleeving is inserted and covers all of the GTO cable up to the splice connection and into the interior of the End Cap when sliding it onto the electrode.
- 6- Insert GTOCA back into the End Cap. Make sure the collar of GTOCA reaches the end of the End Cap. Make sure to align the flat surface of the GTOCA against the glass portion of the neon tube.



Step 4



Step 5



Step 6

- 7- When installed in a damp location the open end must be mounted in a horizontal position with the open end at the same height above ground or lower than the closed end of the electrode enclosure.



Electrobits International 300 St-Sacrement Street Office 209  
Montreal, Gc, Canada, H2Y 1X4  
USA & Canada 1 (800) 967-2487 International 1 (514) 942-4150  
www.electrobits-international.com