

# GelCap Insulating Splice Cover for 600V Cable

This instruction provides procedure for installation of GelCap splice covers sizes 2, 3, and 4.

## Product Installation Instructions

### Safety Instructions

**▲ DANGER** When installing electrical power system accessories, failure to follow applicable personal safety requirements and written installation instructions could result in fire or explosion and serious or fatal injuries.

**▲ DANGER** As TE has no control over field conditions which influence product installation, it is understood that the user must take this into account and apply his own experience and expertise when installing product.

**▲ DANGER** Working around energized high-voltage systems may cause serious injury or death. Installation should be performed by personnel familiar with good safety practice in handling high-voltage electrical equipment. De-energize and ground all electrical systems before installing product.

**▲ DANGER** Power distribution and transmission products must be properly selected for the intended application. It must be installed and serviced by competent personnel who have been trained and understand proper safety procedures. These instructions are written for such personnel and are not a substitute for adequate training and experience in safety procedures.

### Safety Instructions

**▲ CAUTION** Read and understand the contents of these instructions before installation and follow all locally approved procedures and safety practices before installing or operating this equipment

**▲ CAUTION** These instructions cannot cover all details or variations in the equipment, procedures, or processes described, nor provide directions for meeting every possible contingency during installation, operation, or maintenance. When additional information is desired to satisfy a problem not covered sufficiently for the user's purpose, please contact your TE sales representative. These instructions are not intended to supersede or replace existing safety and operating procedures.

**NOTICE** Upon receipt of a product, inspect it thoroughly for damage and loss of parts incurred during shipment. If damage or loss is discovered, file a claim with the carrier immediately or contact your TE representative.

### Customer Service

For 24 hour customer service, call 800-327-6996.

### Kit Contents

- 3 Gel filled caps
- 3 Clamps



LISTED 90UF  
Insulating Splice Cover  
600V/105C

## Installation Instructions

### 1. Product selection

Table 1 - UL Listed Connector/Cap Selection Guide

Kit	Conductor Size	Max. Bolt Dimensions		Max. Lug Dimensions		
		Width (A)	Length (B)	Total Length (C)	Barrel Length (D)	Tang Length (E)
GelCap 1*	# 16 to # 10 AWG	.375"	.500"	1.00"	0.5"	
GelCap 2**	# 8 to # 2 AWG	.625"	1.00"	2.00"	1.0"	1.0"
GelCap 3**	# 2 to # 4/0 AWG	.850"	1.30"	3.00"	1.5"	1.5"
GelCap 4**	250 to 500 mcm	1.100"	1.85"	5.00"	2.0"	3.0"

**NOTICE** \* GelCap 1 insulating splice cover is designed for 3 phases in one cap and requires a different installation instruction.

**NOTICE** \*\* GelCap 2, 3, and 4 insulating splice covers are designed for one circuit per GelCap only.

### General Use Guide

Check kit selection with cable dimensions in Table 1. If the conductors are not the same size, select kit based on larger conductor.

For split bolt or pin and socket connectors, dimensions must be within dimensional guidelines shown above.

### 2. Remove insulation

See Table 1 above for maximum bolt (A+B) and lug dimensions (C+D+E). Insulation removal length equals connector insertion depth/barrel length (D).

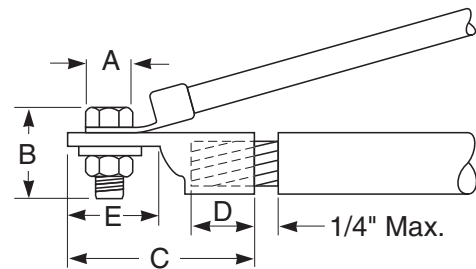
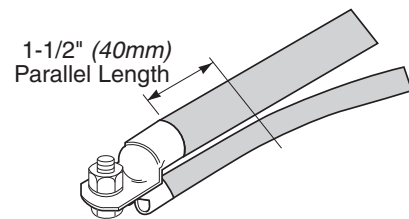


Fig. 1862

### 3. Install lugs

Install lugs on cables. Bolts should be inserted through the tang of the smallest lug first. Leads must be parallel for a minimum of 1-1/2" (40mm) beyond the end of the longest lug.

**NOTICE** Remove all sharp edges from metal parts.

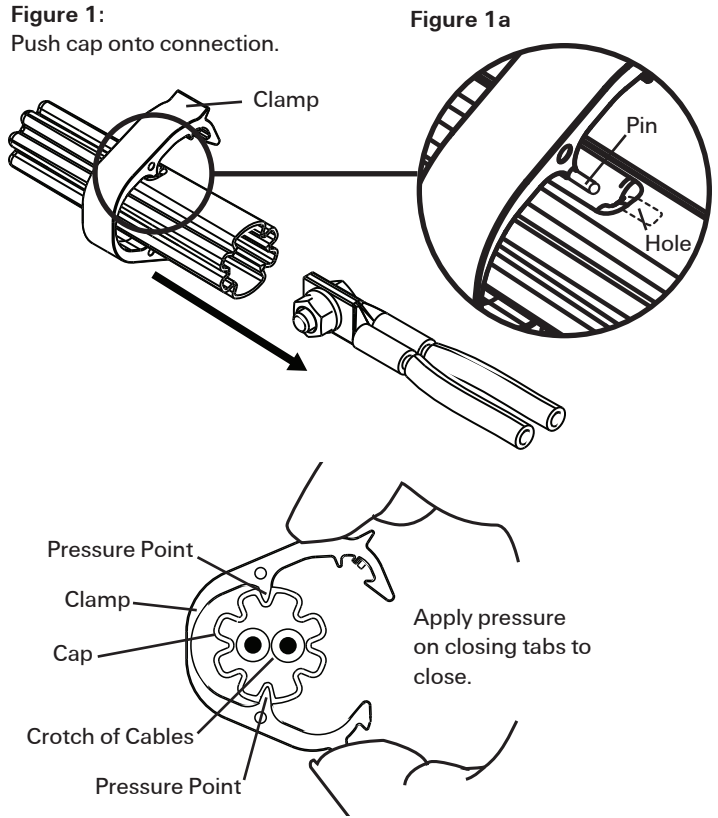


**NOTE:** Remove all sharp edges from metal parts.

Fig. 1863

#### 4. Push cap onto connection

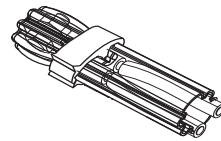
- A. Before installing cap, ensure the two pins on the bottom edge of the clamp are mated with the holes on the cap as shown in Figure 1a.
- B. Align cap so pressure points of clamp will align with crotch of cables as shown in Figure 2.
- C. Install cap by pushing onto connection until it goes no further. Hold cap in place 5 seconds.
- D. Snap clamp closed. If necessary, use pliers to snap clamp closed.



**Figure 2:** Clamp pressure points should fit into opposing grooves of cap and apply pressure in crotch of cables. Snap clamp closed.

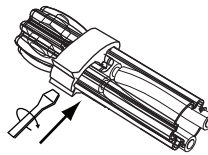
#### 5. Inspect installation

Gently pull on cap to be sure it is locked in place. Ensure cap covers lugs and bare conductor. There should be no exposed metal. Clamp should be below bolt and nut area. Installation is complete.



#### 6. Removal

Insert screwdriver between closing tabs and twist to open the clamp. Remove cap slowly from connection allowing gel to stay in cap.



The Information contained in these installation instructions is for use only by installers trained to make electrical power installations and is intended to describe the correct method of installation for this product. However, TE has no control over the field conditions which influence product installation. It is the user's responsibility to determine the suitability of the installation method in the user's field conditions. TE's only obligations are those in TE's standard Conditions of Sale for this product and in no case will TE be liable for any other incidental, indirect or consequential damages arising from the use or misuse of the products.

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