

## 600 A 35 kV class BOL-T™ connector assembly installation instructions



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## Safety for life



Eaton meets or exceeds all applicable industry standards relating to product safety in its Cooper Power™ series products. We actively promote safe practices in the use and maintenance of our products through our service literature, instructional training programs, and the continuous efforts of all Eaton employees involved in product design, manufacture, marketing, and service.

We strongly urge that you always follow all locally approved safety procedures and safety instructions when working around high voltage lines and equipment, and support our “Safety For Life” mission.

## Safety information

The instructions in this manual are not intended as a substitute for proper training or adequate experience in the safe operation of the equipment described. Only competent technicians who are familiar with this equipment should install, operate, and service it.

A competent technician has these qualifications:

- Is thoroughly familiar with these instructions.
- Is trained in industry-accepted high and low-voltage safe operating practices and procedures.
- Is trained and authorized to energize, de-energize, clear, and ground power distribution equipment.
- Is trained in the care and use of protective equipment such as arc flash clothing, safety glasses, face shield, hard hat, rubber gloves, clampstick, hotstick, etc.

Following is important safety information. For safe installation and operation of this equipment, be sure to read and understand all cautions and warnings.

### Hazard Statement Definitions

This manual may contain four types of hazard statements:



#### **DANGER**

**Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.**



#### **WARNING**

**Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.**



#### **CAUTION**

**Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.**

**CAUTION:** Indicates a potentially hazardous situation which, if not avoided, may result in equipment damage only.

### Safety instructions

Following are general caution and warning statements that apply to this equipment. Additional statements, related to specific tasks and procedures, are located throughout the manual.



#### **DANGER**

**Hazardous voltage. Contact with hazardous voltage will cause death or severe personal injury. Follow all locally approved safety procedures when working around high- and low-voltage lines and equipment.**

G103.3



#### **WARNING**

**Before installing, operating, maintaining, or testing this equipment, carefully read and understand the contents of this manual. Improper operation, handling or maintenance can result in death, severe personal injury, and equipment damage.**

G101.0



#### **WARNING**

**This equipment is not intended to protect human life. Follow all locally approved procedures and safety practices when installing or operating this equipment. Failure to comply can result in death, severe personal injury and equipment damage.**

G102.1



#### **WARNING**

**Power distribution and transmission equipment 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. Failure to properly select, install or maintain power distribution and transmission equipment can result in death, severe personal injury, and equipment damage.**

G122.3



## DANGER

**All associated apparatus must be de-energized during any hands-on installation or maintenance.**



## WARNING

**The 600 A BOL-T Connector System is designed to be operated in accordance with normal safe operating procedures. These instructions are not intended to supersede or replace existing safety and operating procedures. The elbow connector should be installed and serviced only by personnel familiar with good safety practices and the handling of high-voltage electrical equipment.**



## WARNING

**Optional Capacitive Test Point Operating Instructions: Use only voltage indicating instruments specifically designed for test points. Use of conventional voltage sensing devices may provide false "No Voltage" indications.**

**The test point must be dry and free of contaminant's when checking for voltage. After indication is taken: clean, dry, and lubricate the test point cap with silicone grease and assemble to the test point.**

**The capacitive test point is not sufficiently accurate, nor is it intended for, actual voltage measurements or phasing operations.**

**A reading of no voltage from the test point should not be the only indication of a de-energized circuit obtained before touching the connector. Other procedures can include direct conductor voltage testing or grounding using a live-line tool.**

## Product information

### Introduction

Eaton terminates high voltage underground cables to deadfront apparatus such as transformers, switches, and switchgear with its Cooper Power™ series 600 A, 35 kV Class BOL-T™ deadbreak connectors. They are fully shielded, submersible, and meet the requirements of IEEE Std 386™-2006 standard – Separable Insulated Connector Systems. 600 A deadbreak connectors are fully interchangeable with all other manufacturers that also certify compliance with IEEE Std 386™-2006 standard. The BOL-T connector is rated for 900 A when used with all copper current carrying components.

### Read this manual first

Read and understand the contents of this manual and follow all locally approved procedures and safety practices before installing or operating this equipment.

### Additional information

These instructions cannot cover all details or variations in the equipment, procedures, or process described nor provide directions for meeting every possible contingency during installation, operation, or maintenance. For additional information, contact your representative.

### Acceptance and initial inspection

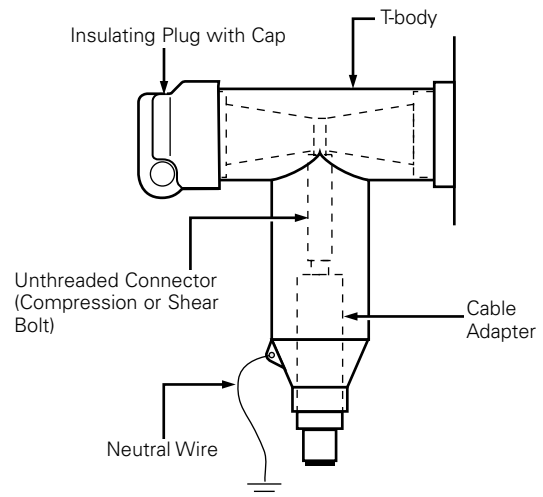
Each deadbreak connector is in good condition when accepted by the carrier for shipment. Upon receipt, inspect the shipping container for signs of damage. Unpack the deadbreak connector and inspect it thoroughly for damage incurred during shipment. If damage is discovered, file a claim with the carrier immediately.

### Handling and storage

Be careful during handling and storage of the deadbreak connector to minimize the possibility of damage. If the deadbreak connector is to be stored for any length of time prior to installation, provide a clean, dry storage area.

### Standards

ISO 9001 Certified Quality Management System



**Figure 1. Line illustration of 35 kV 600 A BOL-T connector.**

## IMPORTANT

Installation Instructions to be used for 600 A, 35 kV Class BOLT connector with shear bolt connector. Please see page 8 for installation instructions using a compression connector.

**Note:** If concentric neutral cable is not being used, follow cable preparation directions in shield adapter kit.

## Equipment provided

- BOLT Connector Assembly Kit includes:
  - Tbody
  - Cable Adapter
  - Insulating Plug with Cap
  - Shear Bolt Connector
  - Silicone Lubricant
  - Threaded Stud
  - Instruction Sheet

## Tools required

- Torque Wrench
- 5/16" Hex Wrench for Splice Application
- Cable Stripping Tools
- 5 mm or 8 mm Allen Wrench

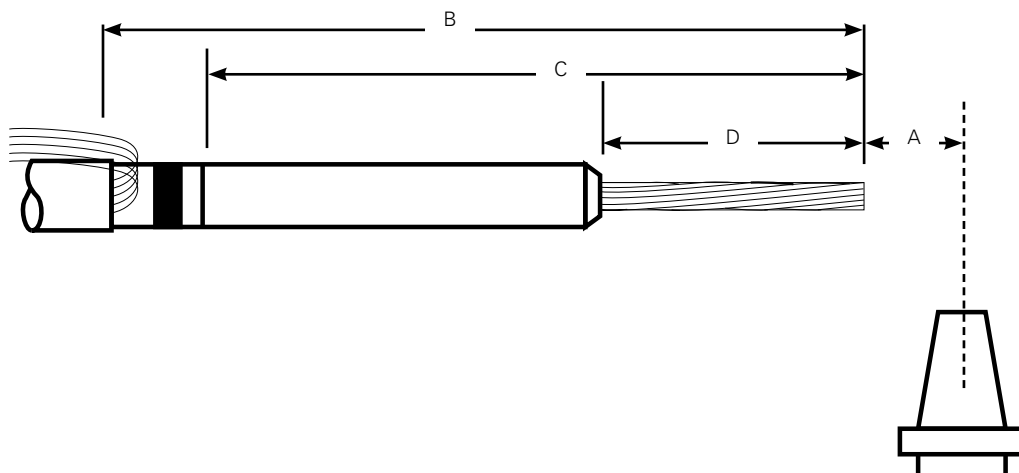


Figure 2. Strip back dimensions.

## Installation of connectors

### Shear bolt installation procedures (for compression connector procedures, see page 8)

#### Prepare the cable Step 1.

##### Train cable

- Position cable vertically so that it is centered between apparatus bushing and parking pocket, parallel to, and 7" (178 mm) from apparatus frontplate.
- Provide adequate cable slack for cable movement between standoff bushing and apparatus bushing.
- Support cable as needed to maintain position.
- Cut cable to length "A" from centerline of bushing. (Refer to Figure 3 and Table 2 for "A" length).

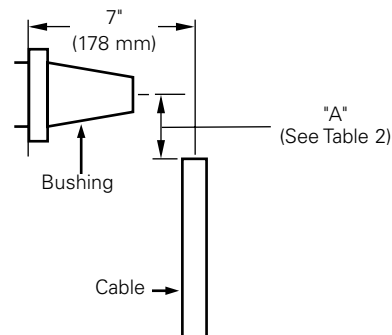


Figure 3. Line illustration for cable training.

**Table 1. Shear Bolt Connector**

Cable Conductor Size				Shear Bolt Connector		
AWG or kcmil			mm2 Standard Sizes	Centering Ring & Color	Conductor Code	Catalog Number
Compact	Compressed	Concentric				
1/0	1/0	1/0	50	Grey	S1	CDT630SB150
2/0	2/0	2/0	70			
3/0	3/0	3/0	-			
4/0	4/0	4/0	95	Black		
250	250	250	120			
350	-	-	150			
-	350	350	185	Black	S3	CDT630SB300
500	500	500	240	White		
600	600	600	300	None		
700	-	-	-			
-	700	700	-			
750	750	750	-	None	S4	CDT630SB400
800	800	-	400			
900	-	-	-			
-	-	800	-			
-	900	900	-			
1000	1000	1000	500	None	S6	CDT1250SB630
-	1100	1100	-			
-	1200	1200	-			
-	1250	1250	630			
-	1300	1300	-			
-	1400	1400	-	None	S8	CDT1250SB800
-	1500	1500	800			

**Table 2. Shear Bolt Stripback Dimensions**

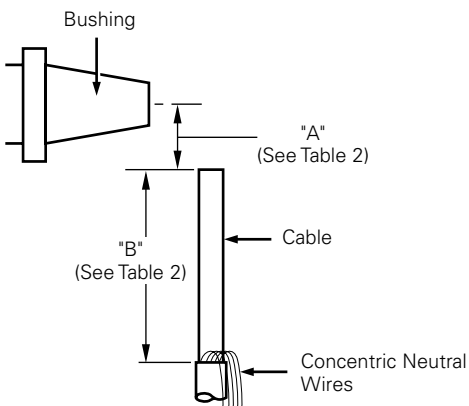
			Connector Code	S1	S3	S4	S6	S8
			Allen Wrench (mm)	5	8	8	8	8
Length Variable	Measurement Name	Tolerance in. (mm)	Centering Ring	with or without in (mm)			without in (mm)	
A	Bushing to Cable	(+/-0.25) (+/- 6.3)		2.00 (50.8)	2.00 (50.8)	2.00 (50.8)	2.00 (50.8)	2.00 (50.8)
B	Jacket	(+/-0.25) (+/- 6.3)		13.00 (330.2)	13.00 (330.2)	13.00 (330.2)	13.00 (330.2)	13.25 (336.5)
C	Insulation Shield	(+/-0.125) (+/- 3.1)		10.50 (266.7)	10.50 (266.7)	10.50 (266.7)	10.50 (266.7)	10.75 (273.05)
D	Conductor	(+/-0.125) (+/- 3.1)		3.38 (85.9)	3.38 (85.9)	4.00 (101.6)	4.69 (119.13)	4.88 (+.12/-0.06) (123.95)
E	Cable Adapter Check	Maximum		7.50 (190.5)	7.50 (190.5)	7.50 (190.5)	7.50 (190.5)	7.50 (190.5)

### Step 2.

#### Remove concentric neutral wires or jacket

**Note: Care should be taken to not cut or score the neutral conductors when cutting the cable jacket.**

- Measure reference length "B" from end of cable. (Refer to Figure 4 and Table 2 to determine variable "B" length.)
  - For jacketed neutral cable, remove jacket to "B" dimension.
  - For unjacketed neutral cable, bind neutral wires using three (3) wraps of tape at "B" dimension.
- Pull back concentric neutral wires. Allow enough extra concentric neutral wires to connect to ground after installation and allow movement to insulated standoff bushing.



**Figure 4. Line illustration of removing concentric neutral wires.**

### Step 3.

#### Remove insulation shield

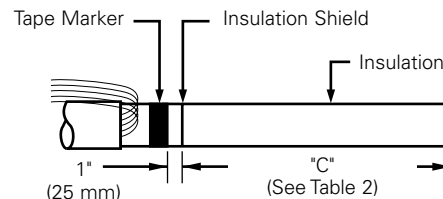
- Remove insulation shield length "C" from end of cable. (Refer to Figure 5 and Table 2 to determine variable "C" length.)

**Note:** Do not cut or nick insulation.

### Step 4.

#### Put tape marker in place

- Measure 1" (25 mm) from end of insulation shield. (Refer to Figure 5.)
- Wrap two turns of tape to serve as marker for cable adapter location.



**Figure 5. Line illustration of cable stripback.**

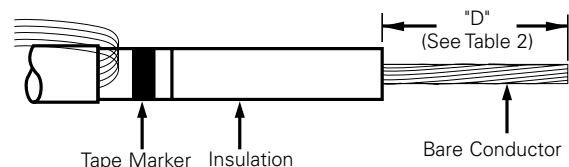
### Step 5.

#### Remove conductor insulation

**Note: Do not pencil cable.**

- Remove insulation exposing bare conductor to length of "D". (Refer to Figure 6 and Table 2 to determine variable "D" length.)

**Note: Do not unwind conductor strands.**

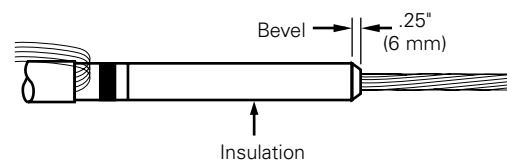


**Figure 6. Line illustration of bare conductor length.**

### Step 6.

#### Bevel insulation

- Remove sharp edge of insulation by beveling at a 45° angle for approximately .25" (6 mm). (Refer to Figure 7.)



**Figure 7. Line illustration of insulation bevel.**

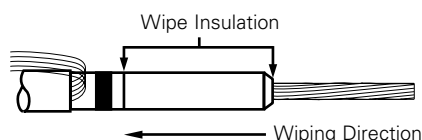


### Step 7.

#### Clean insulation

**Note: Do not apply solvent directly to cable.**

- Clean insulation thoroughly with solvent dampened rag, wiping from conductor end toward insulation shield. (Refer to Figure 8.)
- Ensure that all traces of conductive residue are removed.

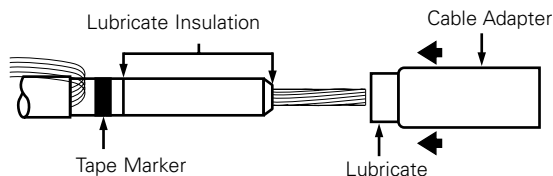


**Figure 8. Line illustration of insulation cleaning.**

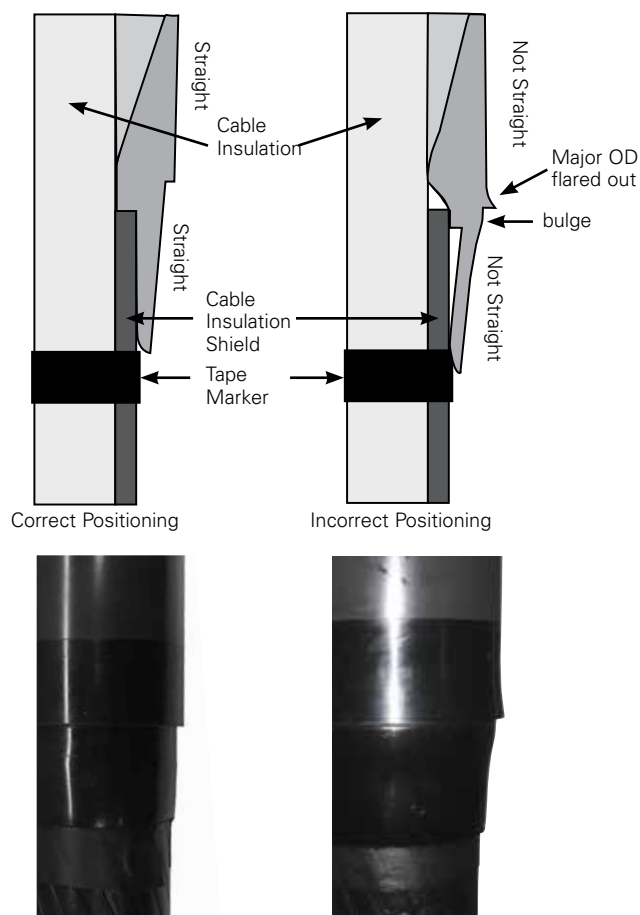
### Step 8.

#### Lubricate and install cable adapter

- Lubricate exposed cable insulation.
- Lubricate inside of cable adapter.
- Slide small end of cable adapter over cable using twisting motion until small end is flush with tape marker. (Refer to Figure 9.)
- After sliding the cable adapter into position make sure that no bulge is present (see Figure 10).



**Figure 9. Line illustration of insulation cable adapter.**



**Figure 10. Cross sectional view of cable adapter positioning.**

### **WARNING**

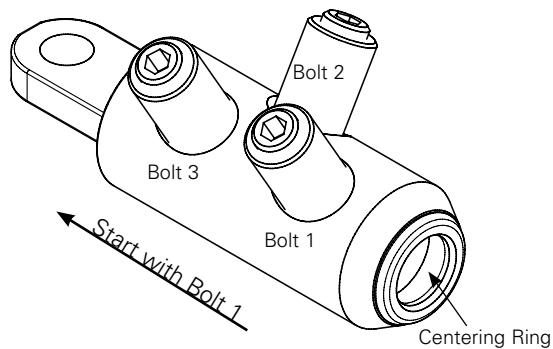
**Equipment Damage/Personal Injury.** Improperly positioned cable adapter may result in equipment damage or personal injury.

### Step 9.

#### Install shear bolt connector

**Note:** Refer to the separate installation instructions supplied with the shear bolt connector.

- Install centering ring.
  - Refer to Figure 11 and Table 1 to determine what size conductors require a centering ring and the correct color to use.
- Wire brush conductor (aluminum only).
- Immediately insert the conductor completely into the barrel of the lug and rotate connector to distribute inhibitor.
- Align flats of connector and apparatus bushing for minimum conductor strain.



**Figure 11. Mechanical lug tightening sequence.**

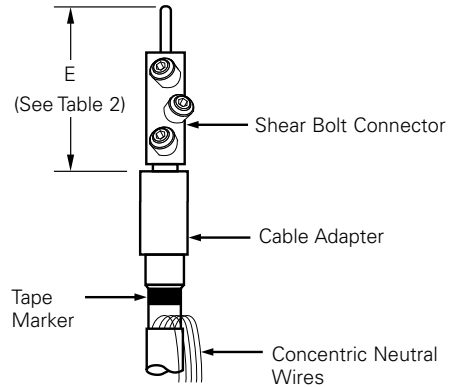
**Note:** Connector must be fully seated on cable conductor.

- With an Allen hex key as specified in Table 2 screw in bolt No. 1 until it breaks off smoothly. Proceed with bolt No. 2 in a similar way. If the lug has more than two (2) bolts, continue with bolt No. 3 and bolt No. 4, (not shown in Figure 11). See Figure 11 for tightening sequences.
- Once all the bolts have broken off, smooth any rough edges with a file and install the covering caps. Carefully clean off any filings.
- Wipe excess inhibitor from connector and adapter surfaces.

### Step 10.

#### Check dimensions

- Check length from end of compression connector to top of cable adapter.
- Length should be no longer than "E" dimension. (Refer to Figure 12 and Table 2.)



**Figure 12. Line illustration for dimensional check.**

#### Install BOL-T T-body with mating parts

##### Step 11.

#### Install DT635 T-body

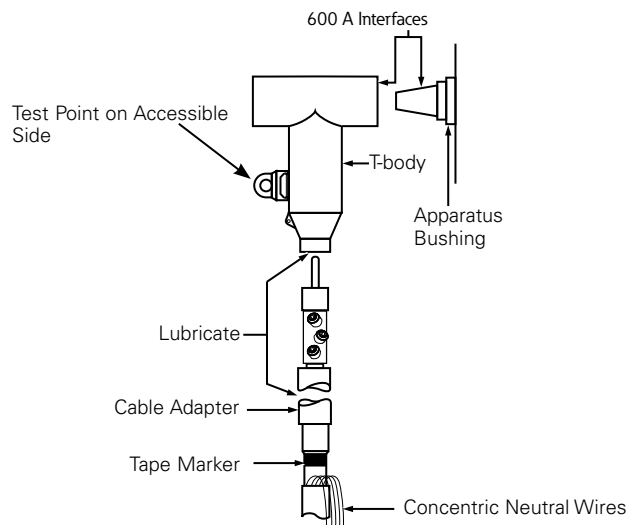
- Clean and lubricate outside of cable adapter with lubricant supplied.
- Clean and lubricate inside of T-body with lubricant supplied.

**Note:** If test point T-body is used, insure test point is opposite front plate side of T-body.

- Without moving the cable adapter, slide T-body onto cable adapter until compression connector eye is centered in 600 A interfaces. (Refer to Figure 13.)

**Note:** The end of the cable adapter must line up with the top edge of the tape marker after T-body assembly. Refer to Figure 10.

- Remove tape marker from cable.



**Figure 13. Line illustration of BOL-T T-body installation.**

- Go to Step 12, page 12 to complete T-body termination.

Compression connector procedures

Equipment provided

- BOLT Connector Assembly Kit includes:
  - Tbody
  - Cable Adapter
  - Insulating Plug with Cap
  - Compression Connector
  - Silicone Lubricant
  - Threaded Stud
  - Instruction Sheet

Tools required

- Torque Wrench
- 5/16" Hex Wrench for Splice Application
- Cable Stripping Tools

Table 3. Conductor Size and Type

Compression Connector				
Concentric or Compressed		Compact or Solid		Compression Conductor Code
AWG or kcmil	mm <sup>2</sup>	AWG or kcmil	mm <sup>2</sup>	
No Connector				00
#2	35	1	-	11
#1	-	1/0	50	12
1/0	50	2/0	70	13
2/0	70	3/0	-	14
3/0	-	4/0	95	15
4/0	95	250	120	16
250	120	300	-	17
300	-	350	-	18
350	-	400	185	19
400	185	450	-	20
450	-	500	240	21
500	240	600	300	22
600	300	700	-	23
650	-	750	-	24
750	-	900	-	25
900	-	1000	500	26
1000	500	-	-	27
1250	630	-	-	28
-	-	-	-	-
-	-	-	-	-

Prepare the cable  
Step 1.

Train cable

- Position cable vertically so that it is centered between apparatus bushing and parking pocket, parallel to, and 7" (178 mm) from apparatus frontplate.
- Provide adequate cable slack for cable movement between standoff bushing and apparatus bushing.
- Support cable as needed to maintain position.
- Cut cable 1.75" (45 mm) from centerline of bushing. Refer to Figure 14.

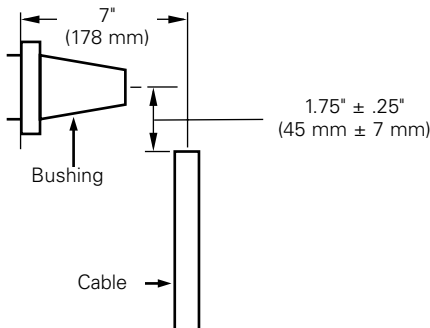


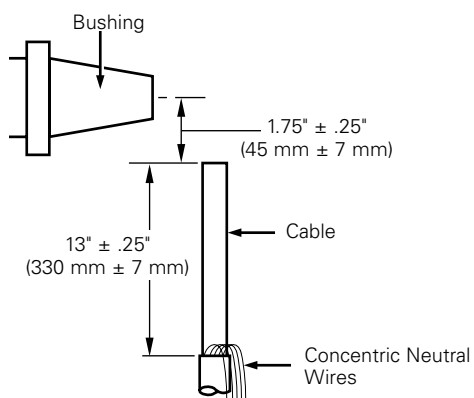
Figure 14. Line illustration for cable training.

### Step 2.

#### Remove concentric neutral wires or jacket

**Note:** Care should be taken to not cut or score the neutral conductors when cutting the cable jacket.

- Measure 13" (330 mm) from end of cable. Refer to Figure 15.
- For jacketed neutral cable, remove jacket to 13" dimension.
  - For unjacketed neutral cable, bind neutral wires using three (3) wraps of tape at 13" dimension.
- Pull back concentric neutral wires. Allow enough extra concentric neutral wires to connect to ground after installation and allow movement to insulated standoff bushing.



**Figure 15. Line illustration of removing concentric neutral wires.**

### Step 3.

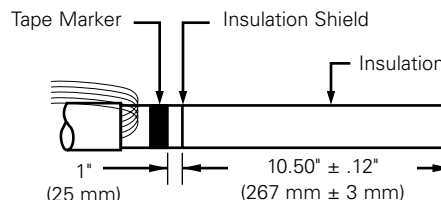
#### Remove insulation shield

- Remove insulation shield 10.50" (267 mm) from end of cable. Refer to Figure 16.
- Do not cut or nick insulation.

### Step 4.

#### Put tape marker in place

- Measure 1" (25 mm) from end of insulation shield. (Refer to Figure 16.)
- Wrap two turns of tape to serve as marker for cable adapter location.



**Figure 16. Line illustration of cable stripback.**

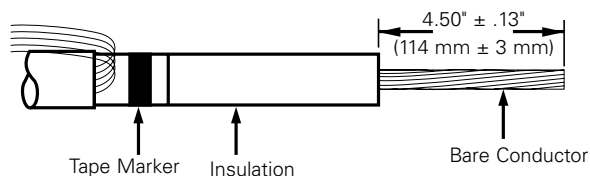
### Step 5.

#### Remove conductor insulation

**Note:** Do not pencil cable.

- Remove insulation exposing bare conductor to length of 4.50" (114 mm). Refer to Figure 17.

**Note:** Do not unwind conductor strands.

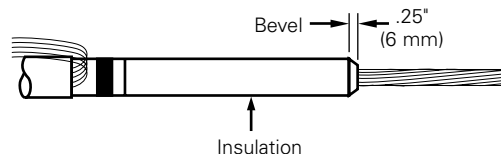


**Figure 17. Line illustration of bare conductor length.**

### Step 6.

#### Bevel insulation

- Remove sharp edge of insulation by beveling at a 45° angle for approximately .25" (6 mm). (Refer to Figure 18.)



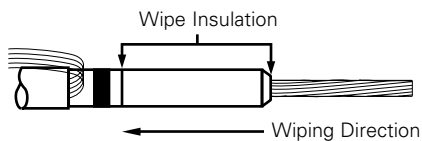
**Figure 18. Line illustration of insulation bevel.**

### Step 7.

#### Clean insulation

**Note: Do not apply solvent directly to cable.**

- Clean insulation thoroughly with solvent dampened rag, wiping from conductor end toward insulation shield. (Refer to Figure 19.)
- Ensure that all traces of conductive residue are removed.

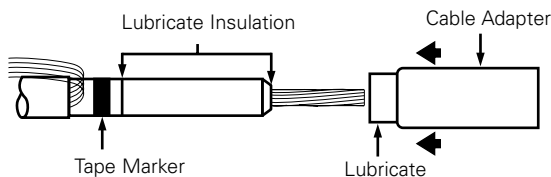


**Figure 19. Line illustration of insulation cleaning.**

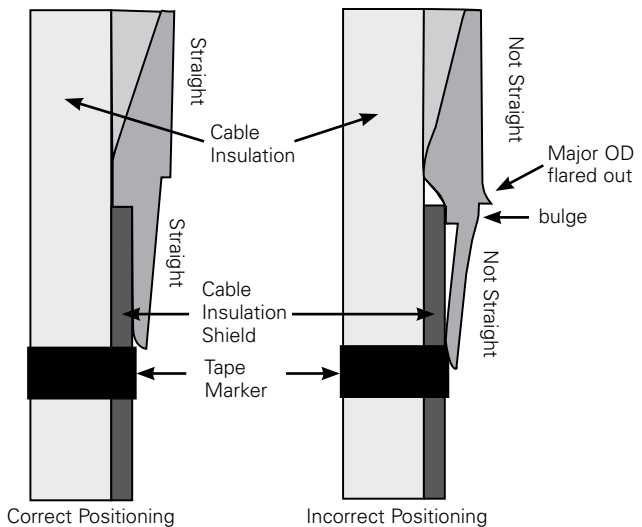
### Step 8.

#### Lubricate and install cable adapter

- Lubricate exposed cable insulation.
- Lubricate inside of cable adapter.
- Slide small end of cable adapter over cable using twisting motion until small end is flush with tape marker. (Refer to Figure 20.)
- After sliding the cable adapter into position make sure that no bulge is present (see Figure 21).



**Figure 20. Line illustration of insulation cable adapter.**



**Figure 21. Cross sectional view of cable adapter positioning.**

## WARNING

**Equipment Damage/Personal Injury. Improperly positioned cable adapter may result in equipment damage or personal injury.**

### Step 9.

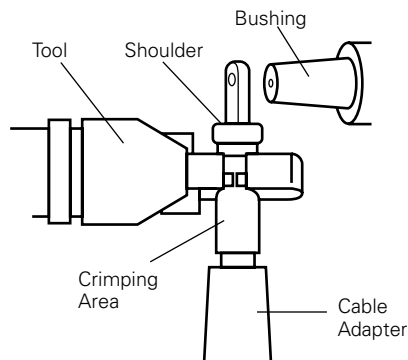
#### Install compression connector

**Note:** Refer to the chart supplied with the crimp connector for tool and die to be used.

- Wire brush conductor (aluminum only).
- Remove protective cap from compression connector.
- Insert conductor completely into compression connector and rotate connector to distribute inhibitor.

**Note:** Connector must be fully seated on cable conductor.

- Align flats of connector and apparatus bushing for minimum conductor strain.
- Make first crimp 1/2" (13 mm) below shoulder of compression connector. (Refer to Figure 22).
- Rotate each successive crimp 90° on compression connector and allow 1/8" (3 mm) between crimps.
- Wipe excess inhibitor from connector and adapter surfaces.



**Figure 22. Line illustration of crimping area.**

#### Step 10.

##### Check dimensions

- Check length from end of compression connector to top of cable adapter.
- Length should be between 6.75" and 7.75" (171 - 197 mm). (Refer to Figure 23.)

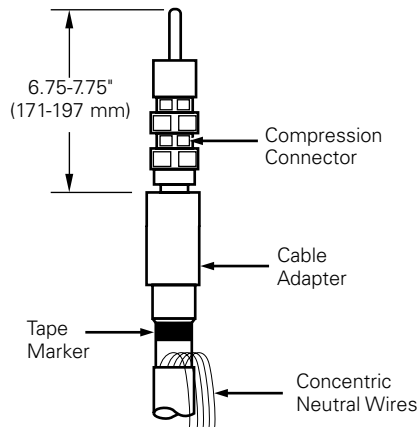


Figure 23. Line illustration for dimensional check.

#### Install BOL-T T-body with mating parts

##### Step 11.

##### Install DT635 T-body

- Clean and lubricate outside of cable adapter with lubricant supplied.
- Clean and lubricate inside of T-body with lubricant supplied.

**Note: If test point T-body is used, insure test point is opposite front plate side of T-body.**

- Without moving the cable adapter, slide T-body onto cable adapter until compression connector eye is centered in 600 A interfaces. (Refer to Figure 24.)

**Note: The end of the cable adapter must line up with the top edge of the tape marker after T-body assembly. Refer to Figure 21.**

- Remove tape marker from cable.

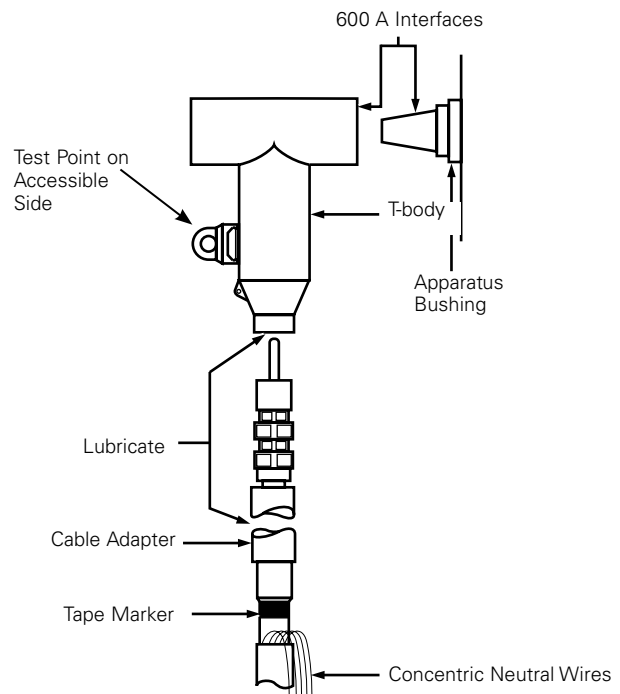


Figure 24. Line illustration of BOL-T T-body installation.

- Go to Step 12, page 13 to complete T-body termination.



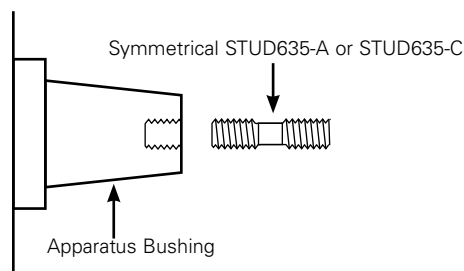
## Completing T-body termination

### Step 12.

#### Install STUD into apparatus bushing

**Note:** Use only the symmetrical aluminum (STUD635-A) or copper (STUD635-C) stud in separable splice and BOL-T applications. **Do not use the non-symmetrical extended length STUD-T.**

- Ensure unit is de-energized.
- Thread the stud into the apparatus bushing unit hand tight. Refer to Figure 25.



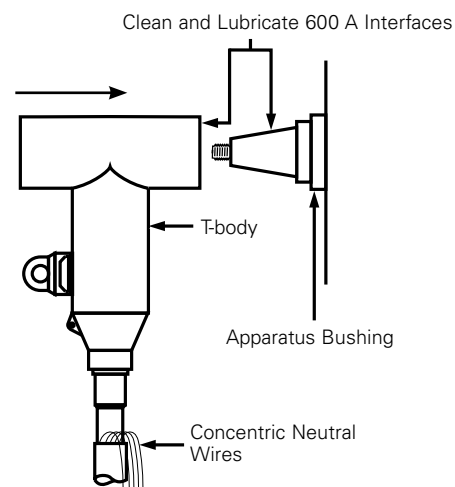
**Figure 25. Line illustration of bushing stud installation.**

- Engage the flats on the stud with a 1/2" wrench and thread the stud into the bushing an additional 1/4 revolution past hand tight.
- Remove any shavings that may have been raised during the threading procedure.

### Install BOL-T connector onto apparatus bushing Step 13.

#### Install T-body onto apparatus bushing

- Clean and lubricate mating interfaces of apparatus bushing and T-body with lubricant supplied.
- Push T-body onto apparatus bushing ensuring that the stud on the bushing passes through the hole of the compression connector. See Figure 26.

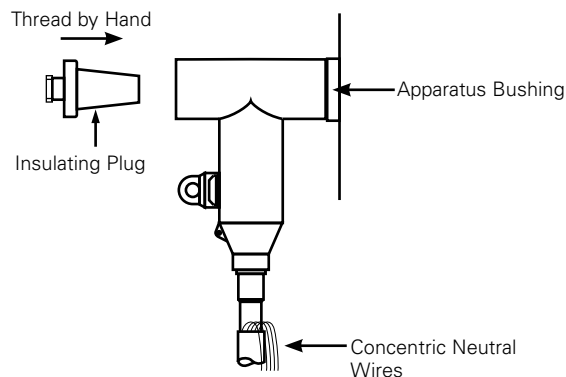


**Figure 26. Line illustration of BOL-T connector installation onto apparatus bushing.**

### Step 14.

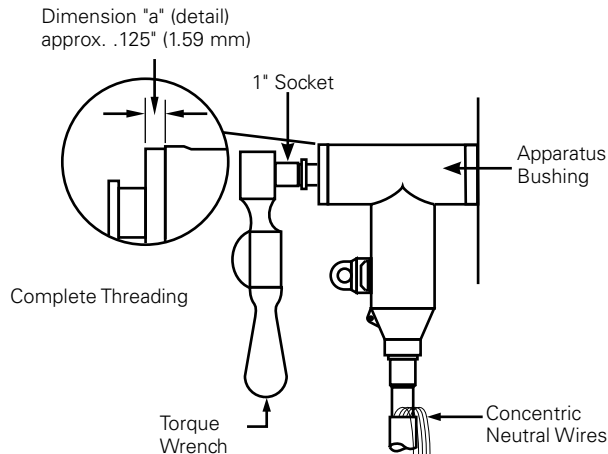
#### Install insulating plug

- Clean and lubricate the mating interfaces of T-body and insulating plug.
- Insert insulating plug into back of T-body engaging the threads of the stud. See Figure 27.



**Figure 27. Line illustration of insulating plug installation.**

- By hand, turning clockwise, thread insulating plug in as far as possible.
- Using a torque wrench and 1" socket complete threading clockwise until tight. Torque to 55 ft-lbs. See Figure 28.



**Figure 28. Line illustration of tightening termination.**

#### Step 15.

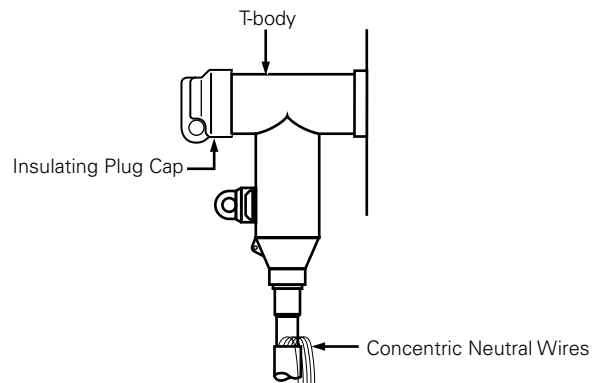
##### Check tightness of termination

- Check tightness by hand by moving T-body forward and back (perpendicular to the apparatus frontplate). Do not move side to side as this may loosen the connection.
- If tight:
  - Re-torque to 55 ft-lbs.
- If loose:
  - Remove insulating plug and T-body from apparatus bushing.
  - Inspect threads of the stud and insulating plug for damage.
  - If damaged, replace damaged component and re-install per previous installation instructions.
  - If no damage is found, re-install per previous installation instructions.

#### Step 16.

##### Cap the insulating plug

- Clean and lubricate inner surface of insulating plug cap with lubricant supplied.
- Attach hotstick onto cap ring.
- Push cap onto insulating plug until it snaps into place. Refer to Figure 29.

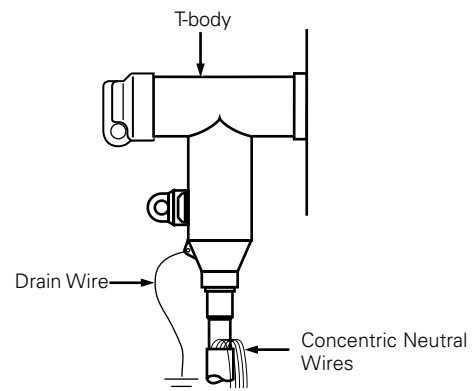


**Figure 29. Line illustration of installing the insulating plug cap.**

#### Step 17.

##### Ground system

- Connect one concentric neutral wire to drain wire tab of the T-body or use a separate uninsulated copper wire (#14 AWG/2.5 mm). Refer to Figure 30.
- Twist to bundle all concentric neutral wires and connect to common ground point. Provide sufficient slack to allow T-body movement to standoff bushing.



**Figure 30. Illustration of the drainwire.**

### Multi-tap separable splice assembly instructions

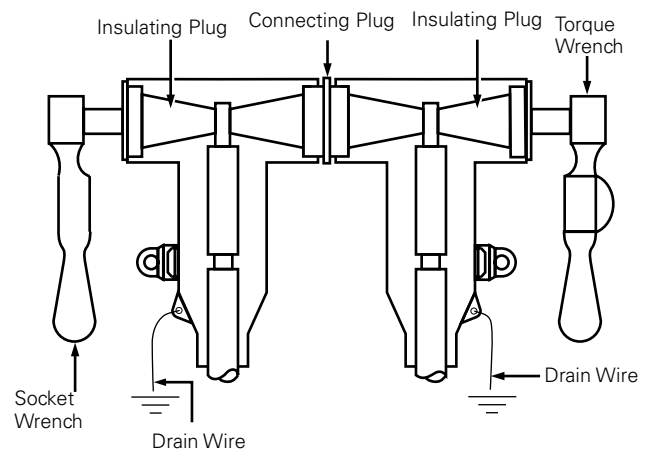
**Note:** Use only the symmetrical aluminum or copper stud in separable splice applications. Do not use the non-symmetrical T-OP™ II stud.

- To assemble a separable splice prepare all cable following Steps #2 through #11.

**Note:** Before any component is installed, clean and lubricate, using the grease provided or an approved alternate, all mating interfaces (i.e. T-bodies, insulating plugs, connector plugs, and cable adapters).

- Obtain first insulating plug, if a stud is not factory installed, hand thread a .625" stud into the insulating plug and torque to 55 ft-lbs using a crows foot type wrench (1/2" open end) and torque wrench. Insert the insulating plug into the first T-body, lining up the hole in the compression connector with the .625" stud.
- Insert the connecting plug into the open interface of the first T-body and hand tighten to the .625" stud of the insulating plug.
- Secure the connecting plug by inserting a 5/16" hex style wrench (HD625, T-wrench, or customer supplied alternate), into the hex hole at the base of the connector plug threads. Use a torque wrench to tighten the insulating plug to 55 ft-lbs. Refer to Figure 17.
- Insert the interface of the connecting plug into the interface on the second T-body.
- To assemble additional splice taps, obtain a second connecting plug, if stud is not factory installed, hand thread a .625" stud into one end and torque in to 55 ft-lbs.
- Install the stud end of the connector plug into the open interface of the second T-body. Hand thread the connector plug to the previously installed connector plug. Secure the first insulating plug with a 1" wrench. Insert a 5/16" hex shaft with socket drive tool (HD625, or customer supplied alternate), into the 5/16" hex hole at the base of the connector plug threads. Connect a torque wrench to hex shaft tool, while keeping first insulating plug secure, torque the second connector plug to 55 ft-lbs. Refer to Figure 18.

- Repeat the assembly procedure used to install the second connector plug and T-body for each additional splice tap.
- After all connecting plugs are installed, obtain the second insulating plug, if stud has not been factory installed, hand thread a .625" stud into the insulating plug and torque to 55 ft-lbs.
- Install the second insulating plug, with stud, into the open interface of the last T-body. Hand thread the insulating plug into the connector plug.
- Secure the first insulating plug using a 1" wrench. Using a 1" socket on a torque wrench tighten the second insulating plug to 55 ft-lbs. Refer to Figure 31.



**Figure 31. Line illustration of second insulating plug installation.**

- Clean and lubricate the inner surface of two insulating plug caps with the lubricant supplied.
- Push the caps onto the insulating plugs until they snap into place.
- Connect one strand of the cable concentric neutral wire to the tie-off tab of each T-body.

**Note:** If splice is disassembled, all connector plugs and insulating plugs should be removed completely, cleaned, regreased, and reassembled following the above procedure to ensure connection points are properly torqued.

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