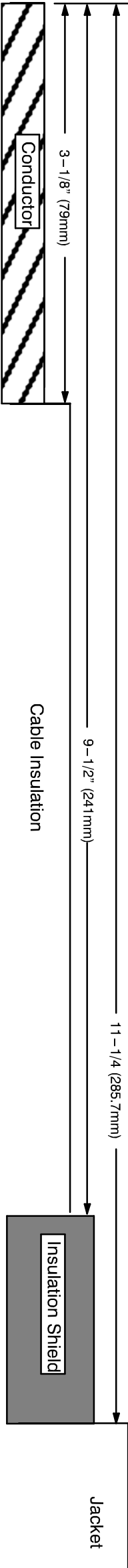


Installation Instructions 15/25/35PCJ2WXXX-RC

W = Housing size's G,H,J,K,L,M,N,P,Q

CONTENTS: Joint Housing, Splice (Conductor Contact), Cable Adapters, Lubricant, 2-Retaining Collars, Hose Clamp, Installation Instructions.

The straight joint is a permanent, fully shielded, fully submersible joint for aluminum and/or copper conductor, wire shielded cables, with a continuous operating current rating equal to that of the cable on which it is installed and a rated voltage as indicated on the joint housing.



DANGER

All apparatus must be de-energized during installation or removal of part(s).

All apparatus must be installed and operated in accordance with individual user, local, and national work rules. These instructions do not attempt to provide for every possible contingency.

Do not touch or move energized products in the work area.

Excess distortion of the assembled product may result in its failure.

Inspect parts for damage, rating and compatibility with mating parts.

This product should be installed only by competent personnel trained in good safety practices involving high voltage electrical equipment. These instructions are not intended as a substitute for adequate training or experience in such safety practices.

Failure to follow these instructions will result in damage to the product and serious or fatal injury.

If this product is supplied with a protective shipping cover(s), remove this shipping cover(s) and replace with the appropriate HV insulated cap(s) or connector(s) before submerging or energizing the circuit.

FOR MORE INFORMATION ON PARTS, INSTALLATION RATINGS AND COMPATIBILITY, CALL THE NEAREST ELASTIMOLD® OFFICE.

IMPORTANT

- Using the component list, check contents of package to ensure they are complete and undamaged.
- Check all components to ensure proper fit with cable and/or mating products.
- Read entire installation instructions before starting.
- Have all required tools at hand and maintain cleanliness throughout the procedure.
- Examine the mating cable ends, both cables should be free from moisture and other contaminants.
- Graphite coatings shall be removed (circular cutting tool or scraped with glass 12" (30.5cm) beyond the cable jacket cut. Sanding may embed the conductive particles within the cable jackets' insulation and should be avoided.
- Examine the conductor(s), if strand filled or water-blocking material is present, the installer or customer must contact the cable manufacturer on their procedures and/or recommendations on welding and/or crimping the conductor.

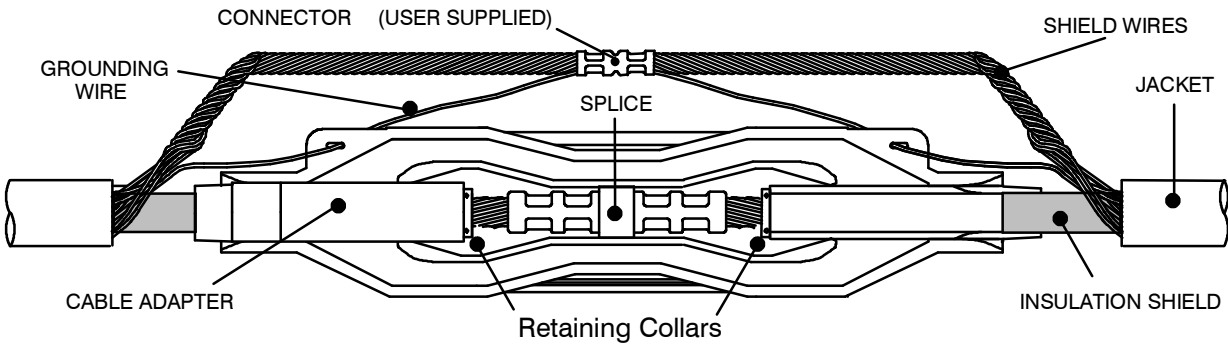
Limited Warranty:

- T&B warrants that its products will be free from defects in materials or workmanship for a period of two (2) years, except for tools which are warranted separately (see warranty accompanying those products). Fisher Pierce® products and Elastimold® Reclosers are warranted for three years; and Joslyn™ VBT and VBU capacitor switches are warranted for four years or 40,000 operations whichever occurs first. Upon prompt notification of a warranted defect, T&B will, at its option, repair or replace the defective product.
- In no event shall T&B be liable for any consequential, indirect or special damages, nor will T&B be liable for transportation, labor, or other charges arising out of the removal or reinstallation of its products. Liability for breach of warranty is limited to the cost of repair or replacement of the warranted product only.
- Misuse, misapplication or modification of T&B products immediately voids all warranties.

THE WARRANTIES AND REMEDIES CONTAINED HEREIN ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES AND REMEDIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE SPECIFICALLY DISCLAIMED.

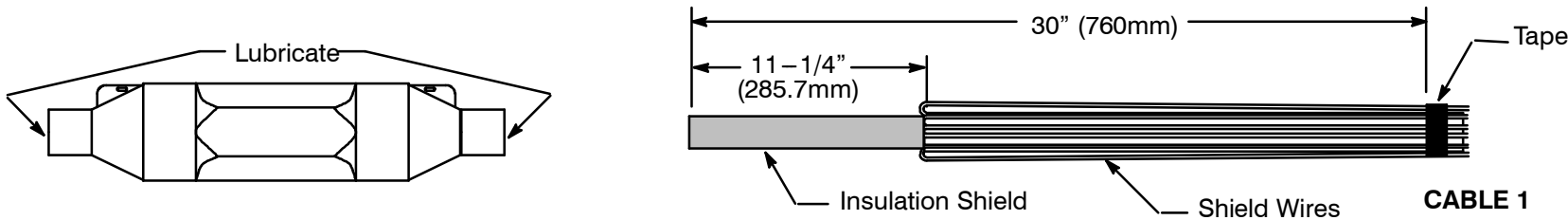
CAUTION

Materials are not included for connecting the lead sheath and/or neutral wires/tapes of Cable 1 to Cable 2. Bonding cable(s), insulating and sealing tapes, solder and CNW's connectors may not be provided within this kit. Illustrations and methods for these connections are offered as suggestions. The installer is responsible for adequacy of materials and methods chosen.



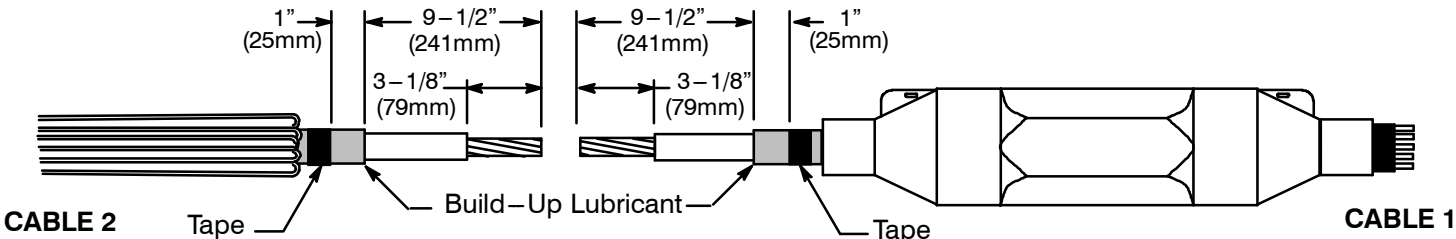
STEP A - INSTALL HOUSING

- Use the stripping guide (on the left) and carefully remove cable jacket (when applicable) of both cables for a distance of 11-1/4" (285.7mm). Fold back shield wires and tape end of wires on Cable 1 to jacket. Allow enough extra length of wire to later rejoin over joint.
- Clean surface of insulation shield, shield wires and jacket for a distance of 30" (760mm). Slide joint onto Cable 1 to a distance of 30" (760mm).



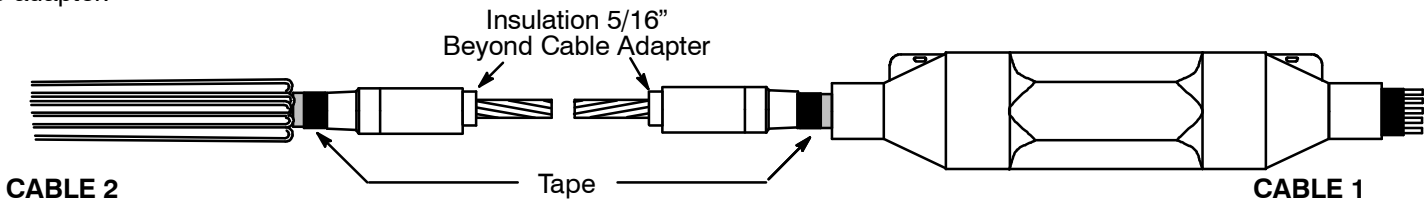
STEP B - PREPARE CABLE

- Use the stripping guide (on the left) and carefully remove insulation shield and cable insulation. **DO NOT CUT OR NICK THE INSULATION.** This could result in failure of the assembly.
- Wrap two turns of tape 1" (25mm) from edge of insulation shield as marker on both cables.
- Clean cable insulation then lubricate to provide a build-up or ramp of lubricant at the edge of the insulation shield.



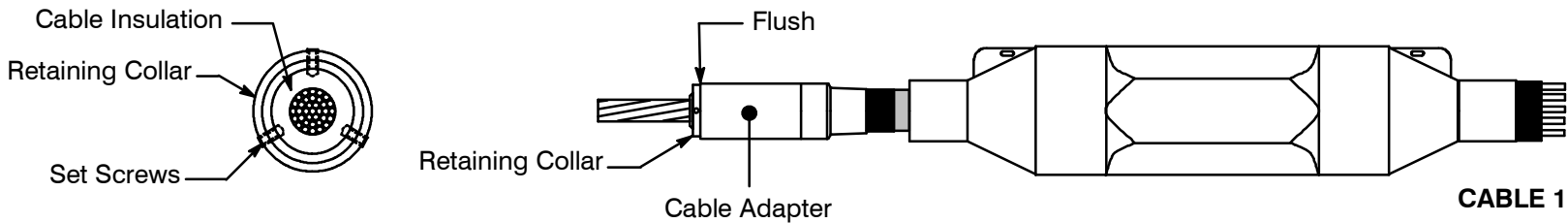
STEP C - INSTALL CABLE ADAPTER

- 1. Take one cable adapter and lubricate the inside of both ends.
- 2. Install the cable adapter until it meets the tape marker as shown.
- 3. Repeat for the other cable adapter.



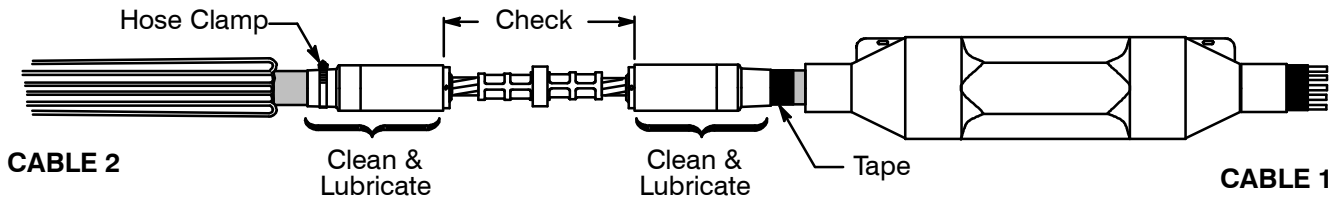
STEP D – INSTALL RETAINING COLLARS

- 1. Select the retaining collar and partially thread the proper size setscrews. (See instructions packaged with the collars.)
- 2. Position the retaining collar over the insulation and flush against the cable adapter. Using the hex wrench supplied, tighten each set screw only one or two turns at a time to keep the collar centered over the insulation. Continue to tighten the set screws until they are below the surface of the collar.
- 3. Repeat for Cable 2.



STEP E – SPLICE INSTALLATION

- 1. Thoroughly clean the end of the cable adapters and the cable where shown. Install hose clamp around adapter on opposite side of splice from where housing is stored, as shown, to hold the adapter in place during final assembly. Tape over hose clamp to form a smooth surface.
- 2. Wirebrush exposed conductors of both cables and immediately insert into the splice. Be sure “Check” dimension does not exceed 8–1/2” (215mm), otherwise redo assembly.
- 3. Crimp the splice following the recommendations provided with it.
- 4. Wipe off all excess inhibitor, then check the distance between cable adapters. If it exceeds 8–3/4” (222mm) redo assembly.
- 5. Clean and lubricate outside surface of cable adapters before sliding housing into final position.



STEP F – COMPLETE JOINT ASSEMBLY

- 1. Slide housing into final position, centering it over the cable adapters.
- 2. Remove all tape. Cable and adapter insulation must **not** be exposed after positioning joint.
- 3. Reshape shield wires and secure to ends of joint as shown.
- 4. Insert one of the shield wires from Cable 1 (if #14 AWG or larger) through the joint grounding eye. Repeat for Cable 2. If shield wires are smaller than #14 AWG use separate #14 AWG copper wire or equivalent.
- 5. Connect joint grounding wires and remaining shield wires, using an appropriate connector, as shown.
- 6. Reconstruct cable jacket (where applicable) over both cables and also over joint housing. (Heat / cold shrink, NOT included.)

