BELL SYSTEM PRACTICES
Outside Plant Construction and Maintenance

SECTION G50.711.3
Issue 1, May, 1956
AT&T Co Standard

SPLICE CASES
3, 4, 7, AND 8 TYPES
INSTALLATION

Contents **Page**

1. GENERAL

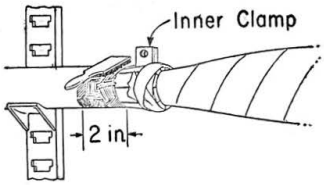
1.01 This section describes the method of installing cables in 3, 4, 7, and 8 type splice cases.

1.02 The preparation of the sheath ends is covered in Section G50.711.2.

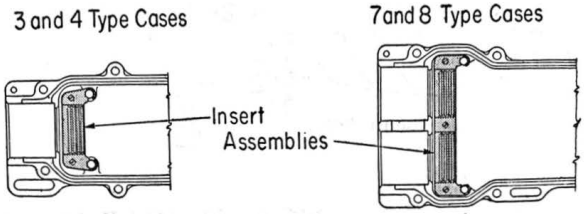
2. INSTALLATION

2.01 The 3 and 4 type cases used for straight splices have one cable opening at each end. The 7 and 8 type cases used for Y or double Y splices have two cable openings at each end.

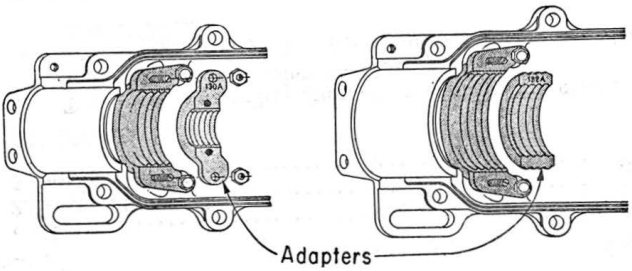
2.02 Clean the sheath for a distance of about 2 inches from the ends of the tabs.



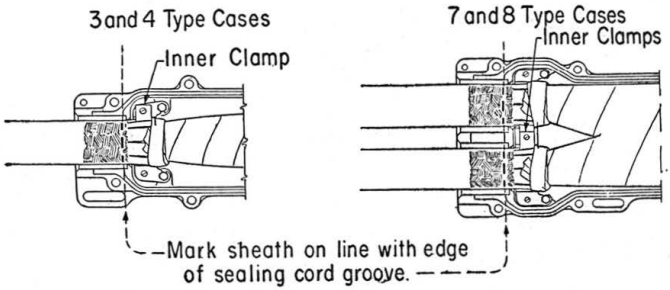
2.03 Place two inserts in one of the splice cases. One is furnished with each case.



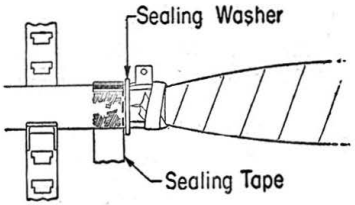
2.04 If a small size cable is to be installed an adapter of the proper size and type shall be installed in the splice case.



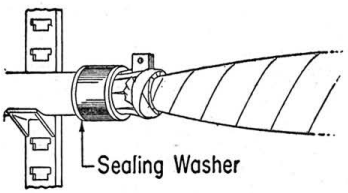
2.05 Position the cable in the splice case and line up the holes in the inner sheath clamps with the studs on the inserts. Then mark the sheath as illustrated below.



2.06 Remove the splice case. Then select the proper size sealing washers from the table in Section G50.710.2. Place the inner washer on the sheath with the outer edge against the mark previously made. If combination lead and polyethylene washers are required they should be placed with the polyethylene facing the B Sealing Tape. Wrap B Sealing Tape around each cable and build up a collar until the diameter is equal to or slightly larger than that of the sealing washer. Butt all joints between the sealing tape strips. **The tape should be kept clean and should not be stretched.**



2.07 Place the outer sealing washer. The inner and outer washers should be rotated so that the slits are at least 90° apart and not in line with the ears of the inner clamp.



2.08 Place the cable in the splice case containing the inserts with the studs through the ears of the inner clamps and the inner washers flush against the shoulder of the housing.

2.09 Place the outer sheath clamps as outlined below.

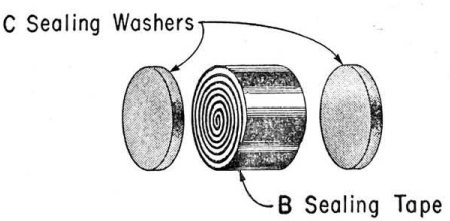
(a) Place the tongued portion of the clamp on the stud with the inner sheath clamp and tighten only enough to hold in position.

(b) Hook the slotted clamp over the tongued piece selecting the slot which will provide a clamp diameter approximately the diameter of the sheath.

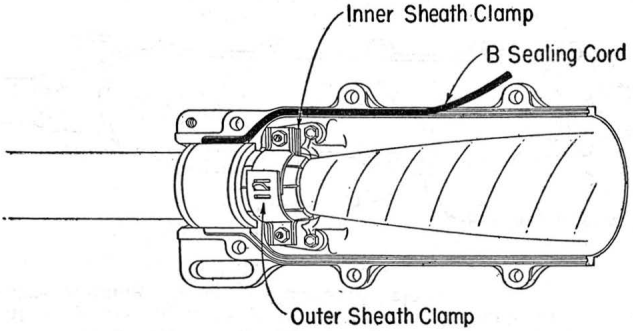
(c) Tighten the tongued clamp until metal to metal contact with the splice case is obtained.

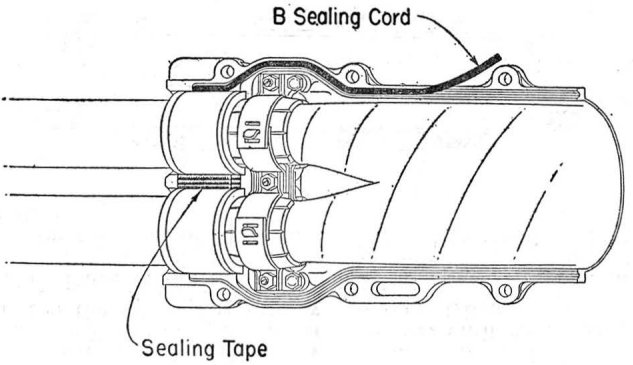
(d) Tighten slotted clamp until the sheath is securely gripped.

2.10 Any unused cavity in the splice case can be filled with a solid plug of sealing tape. Prepare a solid plug to fit the end cavity of the splice case, then place a solid C Sealing Washer of the proper size at each end of the plug.



2.11 Clean any dirt or filings from the sealing cord grooves in the splice case with a brush or dry cloth. Place sealing cord in the side grooves being careful to avoid making flat spots or dents in the cord. **Do not stretch.** It may be necessary to push the B Sealing Tape away from the grooves at the ends in order to permit placing the sealing cord.

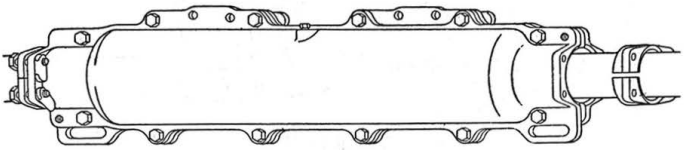




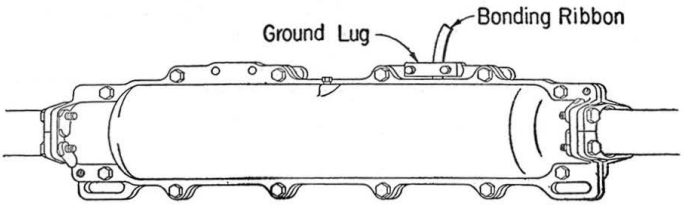
2.12 Place other splice case in position being careful not to disturb the B Sealing Cord.

2.13 Start bolts and nuts in castings, beginning at the center and working towards the ends of the castings. Using the B Wrench Kit tighten uniformly until the separation between the castings is slightly less than 1/8 inch.

2.14 Place end collars in position and insert screws until they completely engage the nuts. Then tighten the bolts on the sides of the cases until metal to metal contact is obtained.



2.15 Tighten bolts on end collars uniformly. The presence of compound oozing out between the castings indicates that they are sufficiently tight. Then place ground lug and secure bonding ribbon as illustrated below.



3. FLASH TESTING

3.01 Each splice case has a pressure testing plug for use in flash testing.

3.02 Flash testing is done in the usual manner, after closing and sealing the splice case, using the flash testing material approved for use with the type of cable sheath involved.