

**BELL SYSTEM PRACTICES**  
**Outside Plant Construction**  
**and Maintenance**

**SECTION G50.712.3**  
**Issue 1, May, 1956**  
**AT&T Co Standard**

## **SPLICE CASES**

### **9A, 10A, 11A AND 12A**

### **INSTALLATION**

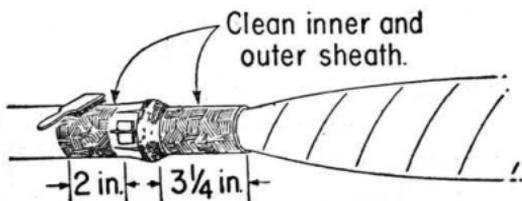
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#### **1. GENERAL**

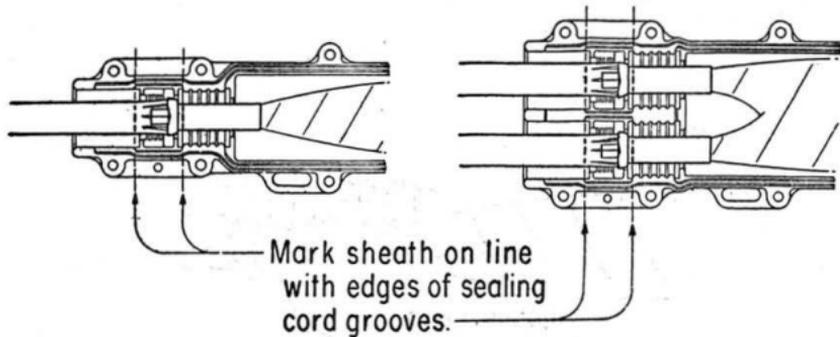
- 1.01 This section describes the method of installing cables in 9A, 10A, 11A and 12A Splice Cases.
- 1.02 The preparation of the sheath ends is covered in Section G50.712.2.

#### **2. INSTALLATION**

- 2.01 Clean the sheath as illustrated below.

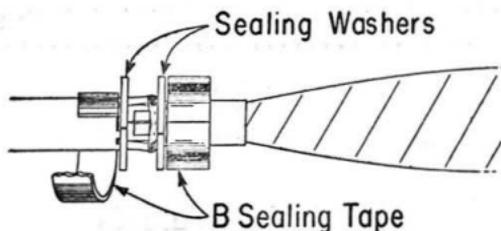


2.02 Position the cable in the splice case and mark the sheath as illustrated below.

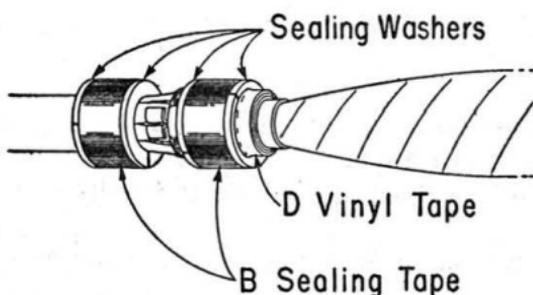


2.03 Remove the splice case. Then select the proper size sealing washers from the table in Section G50.710.2.

2.04 Place two washers on the sheath alongside the marks previously made. If combination lead and polyethylene washers are required they should be placed with the polyethylene facing the B Sealing Tape. Then build up collars of B Sealing Tape on the sheath until the diameters are equal to or slightly larger than that of the sealing washers. Butt all joints between the sealing tape strips. **The tape should be kept clean and should not be stretched.**

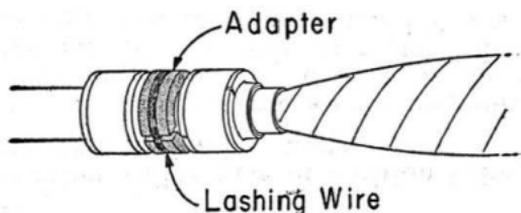


2.05 Place two additional sealing washers as illustrated below. The washers at the ends of each seal should be rotated so that the slits are at least 90° apart. Then wrap a collar of D Vinyl Tape about 1/2-inch wide around the inner sheath closing the opening between the sheath and the sealing washer.

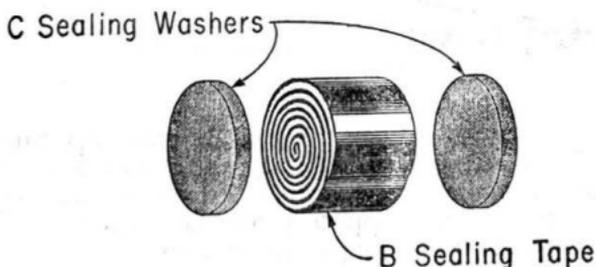


2.06 If a small size cable is to be installed an adapter of the proper size and type shall be placed on the cable to provide contact with the case for bonding as outlined below.

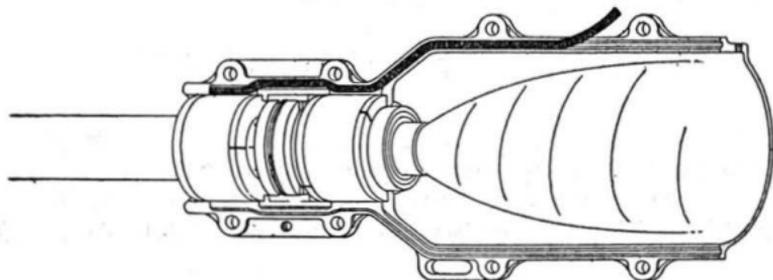
- (a) Place spacers around inner clamp.
- (b) Bind down securely with several turns of lashing wire placed in the grooves provided in the spacers for that purpose.



2.07 Any unused cavity in the splice case can be filled with a plug of B Sealing Tape. A solid C or D Sealing Washer of the proper diameter should be placed at each end of the plug.



2.08 Place the cables in the splice case. Then 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.



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

2.10 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.

2.11 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. The arrangement of the two types of end collars is illustrated in Section G50.712.1.

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

### 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.