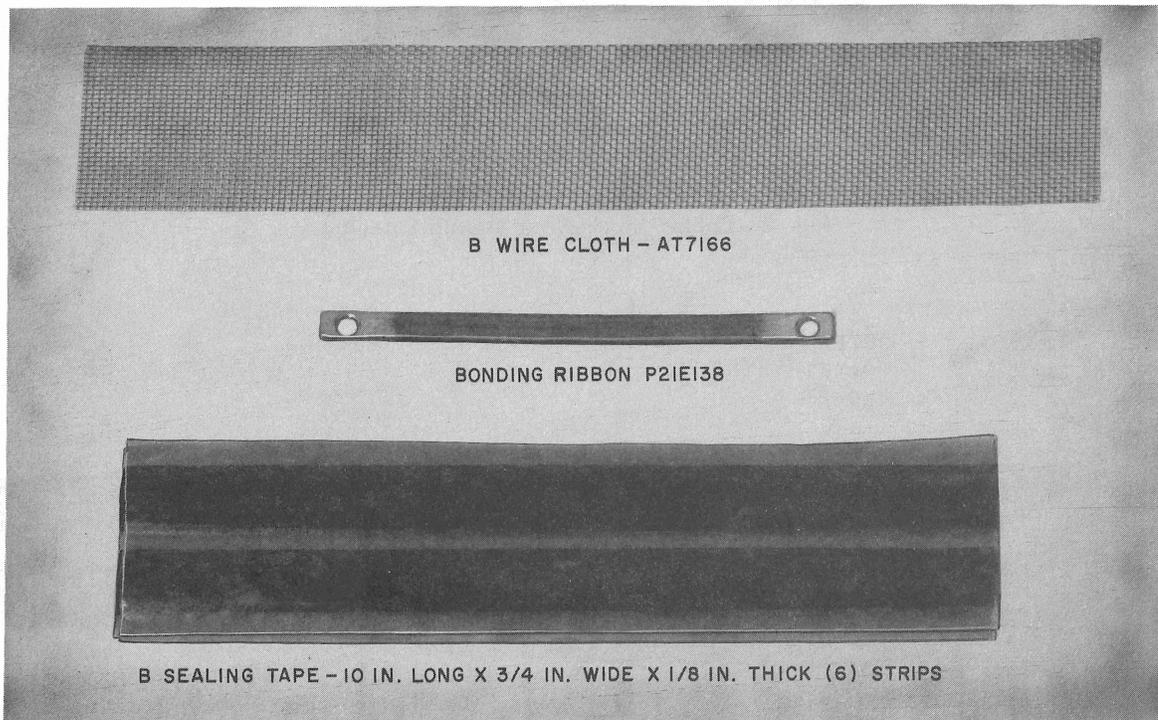


**WRAPPED JOINTS**  
**2-TYPE PLASTIC CLOSURE**  
**DUAL SHEATH CABLE**

| CONTENTS                                   | PAGE | 1. GENERAL  |
|--|------|---|
| 1. GENERAL . . . . .                       | 1    | 1.01 This section describes the method of making a wrapped gastight joint on dual jacket cable which permits the use of 2-type plastic closure. |
| 2. HARDWARE AND MATERIALS REQUIRED         | 1    | 1.02 The description and installation of the 2-type closure is covered in Section 633-506-201.  |
| 3. CABLE SHEATH PREPARATION . . . . .      | 2    | 1.03 The wrapped gastight joint should be placed and bonding ribbon installed before splicing.  |
| 4. BONDING OF CABLE SHEATH . . . . .       | 4    | 2. HARDWARE AND MATERIALS REQUIRED  |
| 5. PREPARING INNER WRAPPED JOINT . . . . . | 5    | 2.01 The following items must be ordered as required for constructing a wrapped gastight joint.   |
| 6. END PLATE INSTALLATION . . . . .        | 8    | (a) D-180660 Kit of Parts (Fig. 1)—one (1) kit required for each dual jacket entrance cable   |



**Fig. 1—D-180660 Kit of Parts**

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- (b) B Bond Clamps—two (2) required for each joint
- (c) DR Tape
- (d) B Glass Tape.

the underlying metallic sheaths between the paper tape marker and the end of the cable. Exercise care not to damage the inner polyethylene jacket.

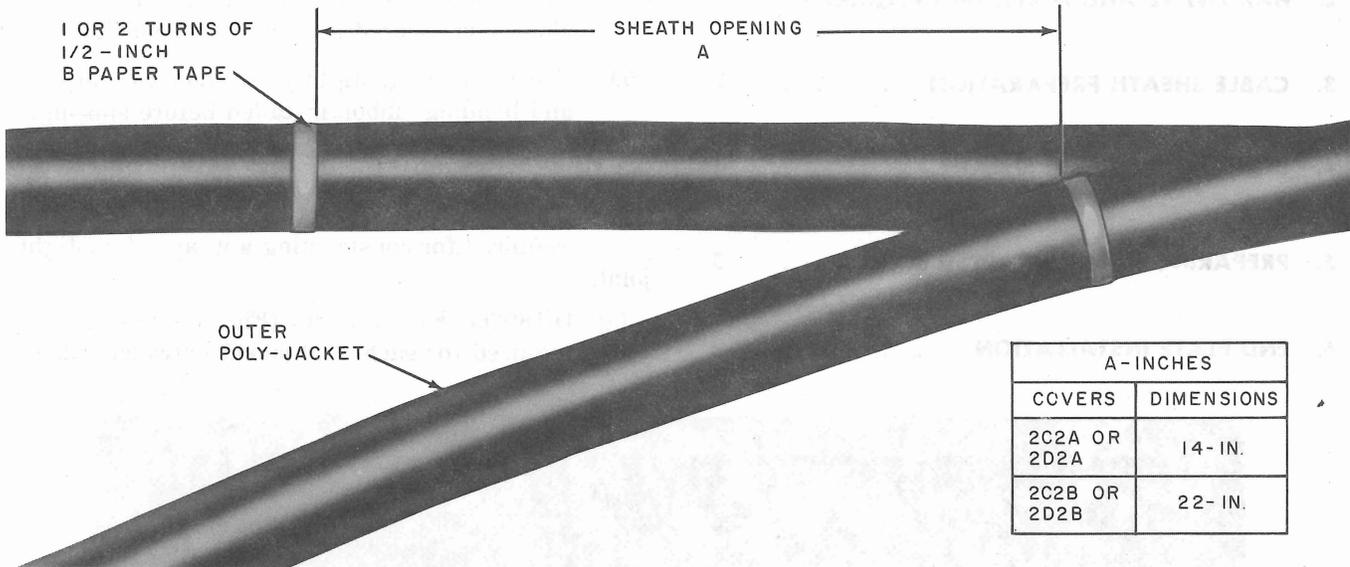
**3.03** Cut and remove the inner polyethylene jacket as shown in Fig. 3.

**3. CABLE SHEATH PREPARATION**

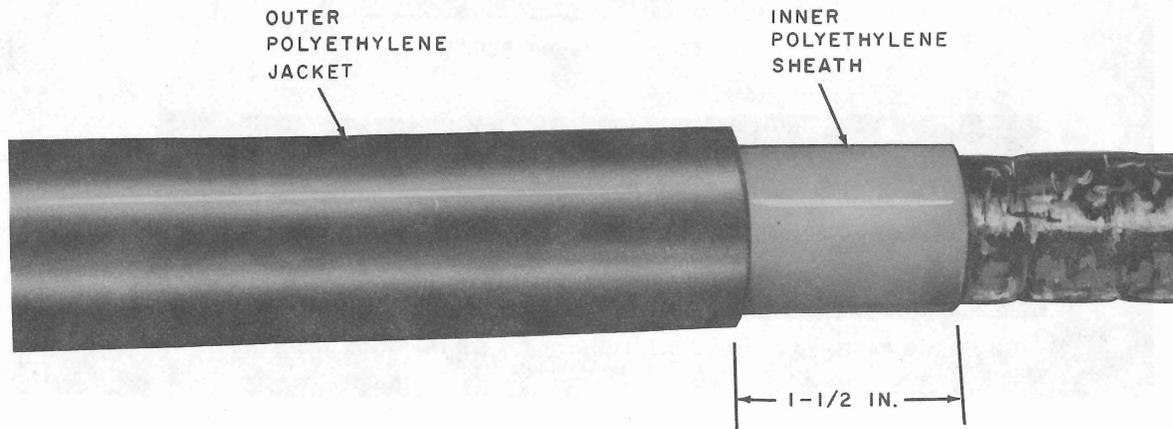
**3.01** Mark the cable sheath with B paper tape as shown in Fig. 2.

**3.02** Remove the outer polyethylene jacket and

*Note:* Only the left-hand cable is illustrated in Fig. 3 through 12; however, the steps outlined herein apply equally to both cable ends unless otherwise noted.



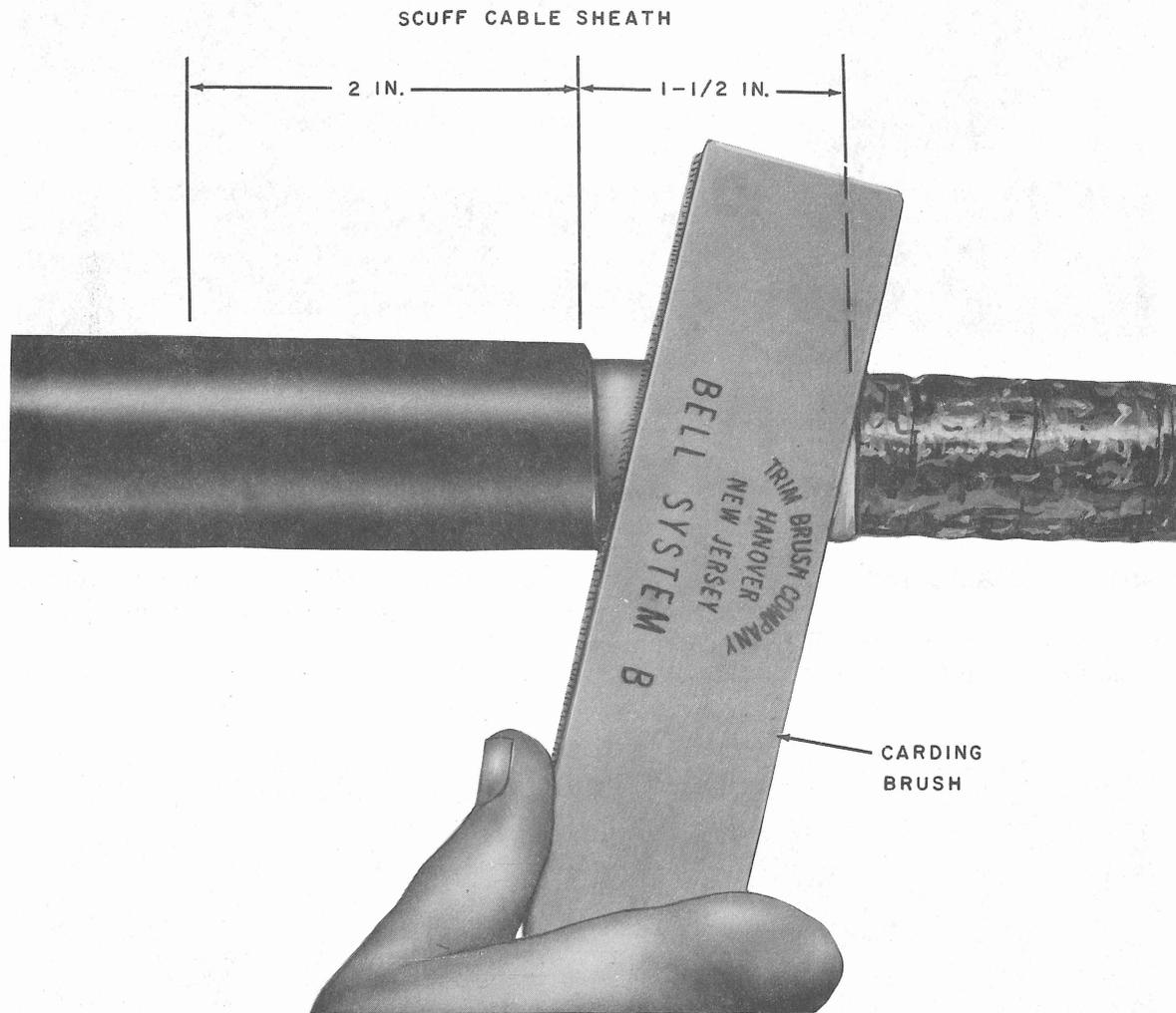
**Fig. 2—Cables Marked for Sheath Opening**



**Fig. 3—Removed Cable Sheath**

**3.04** Using a carding brush scuff the outer and inner polyethylene jacket as shown in Fig. 4. Then using *B* cleaning fluid in a well ventilated

*area clean the scuffed area (Fig. 5). This removes any oily residue from the cable sheath. This must be done to assure a reliable seal.*



**Fig. 4—Scuffing Sheath**



Fig. 5—Cleaning Scuffed Area

**4. BONDING OF CABLE SHEATH**

**4.01** Slit cable sheath and install B bond clamp as outlined in Section 081-852-118 (Fig. 6).

**4.02** Using B side cutting pliers, cut off excess stud length of B bond clamp (Fig. 6).

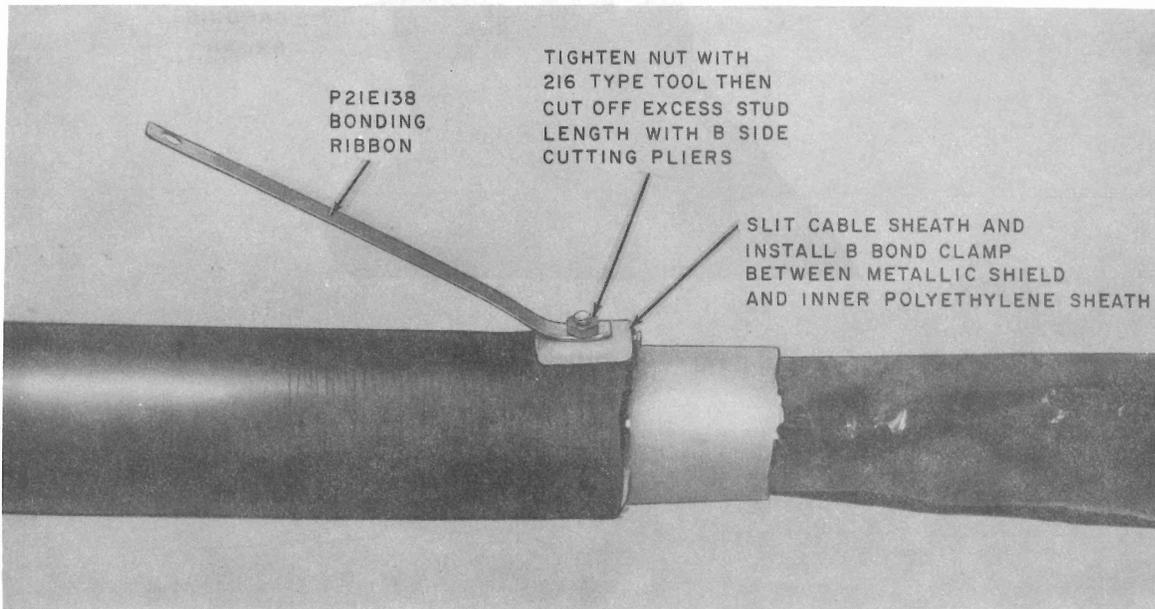


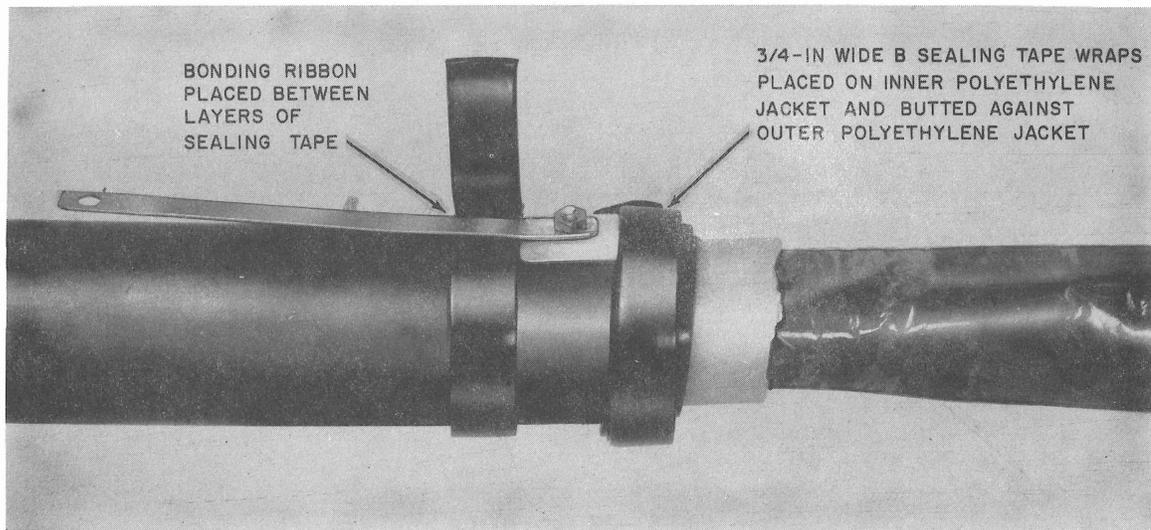
Fig. 6—Installed Bonding Clamp and Bonding Ribbon

**5. PREPARING INNER WRAPPED JOINT**

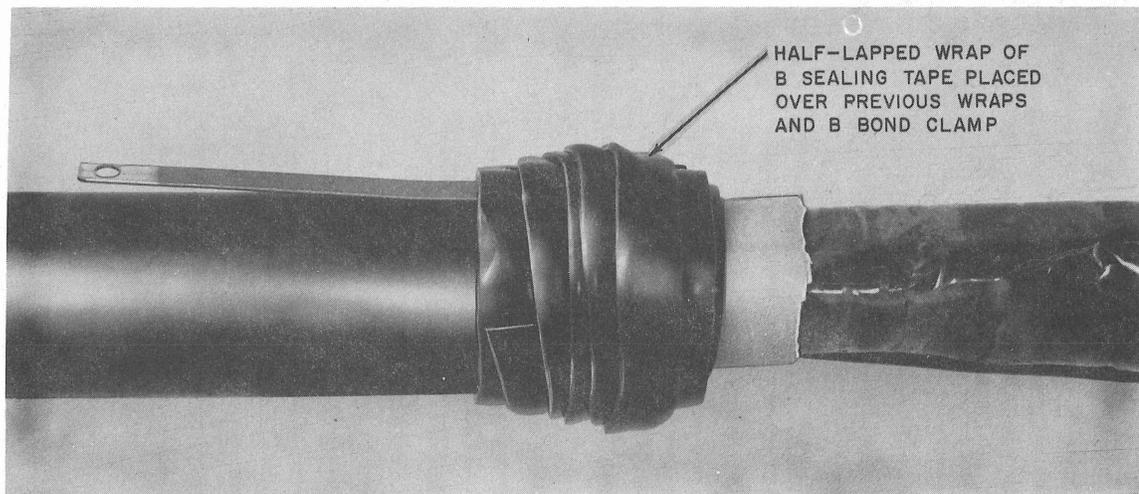
**5.01** Wrap 3/4-inch wide B sealing tape around sheath at each end of bond clamp as shown in Fig. 7. Feather the leading edge of B sealing tape and build up above bond clamp level.

*Note:* If 1-1/2 inch wide sealing tape is used, cut tape in half. **DO NOT FOLD TO DOUBLE THICKNESS.**

**5.02** Place half lapped layers of B sealing tape over clamp and previous wraps as shown in Fig. 8.



**Fig. 7—B Sealing Tape (3/4-Inch Wide) Placed at Each End of Bond Clamp**



**Fig. 8—Joint Wrapped With B Sealing Tape**

5.03 Starting at the center, wrap the B sealing tape with DR tape stretching the DR tape as tight as possible and going from one end to the other (Fig. 9). This compresses the B sealing tape to form a better seal.

5.04 Wrap the DR tape with glass tape as shown in Fig. 10. The glass tape strengthens the wrapped joint.

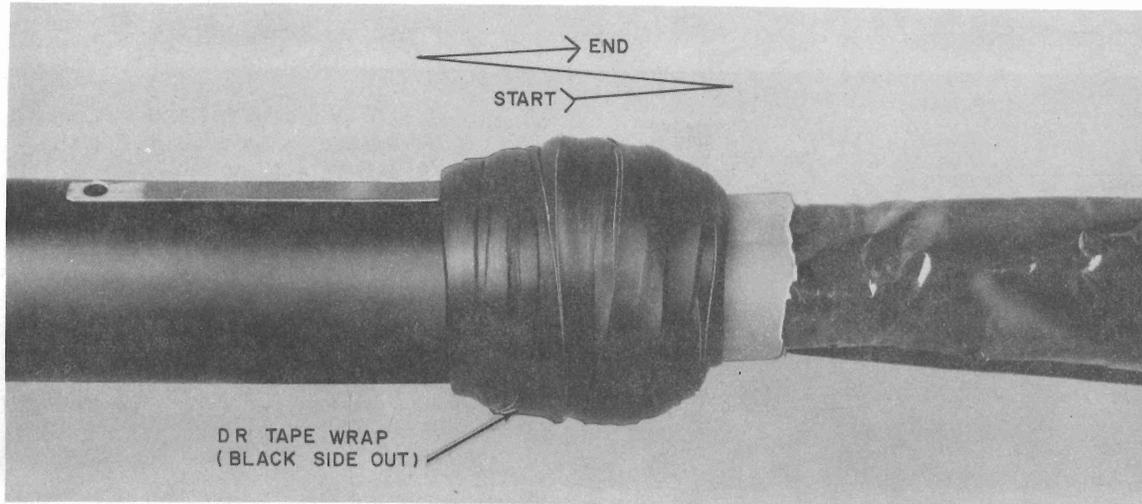


Fig. 9—DR Tape Wrap

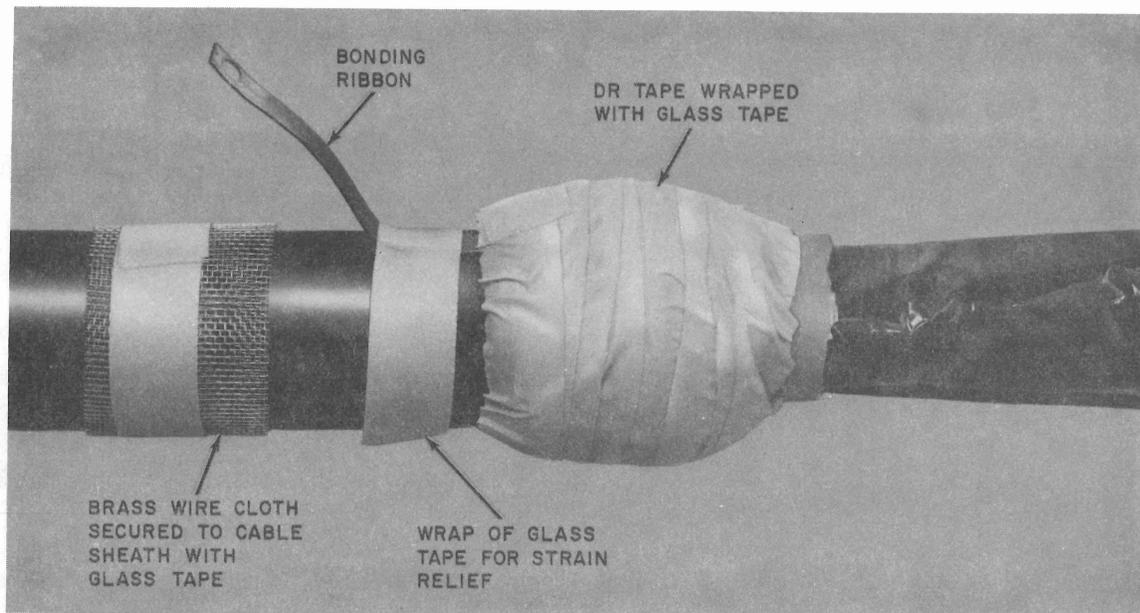
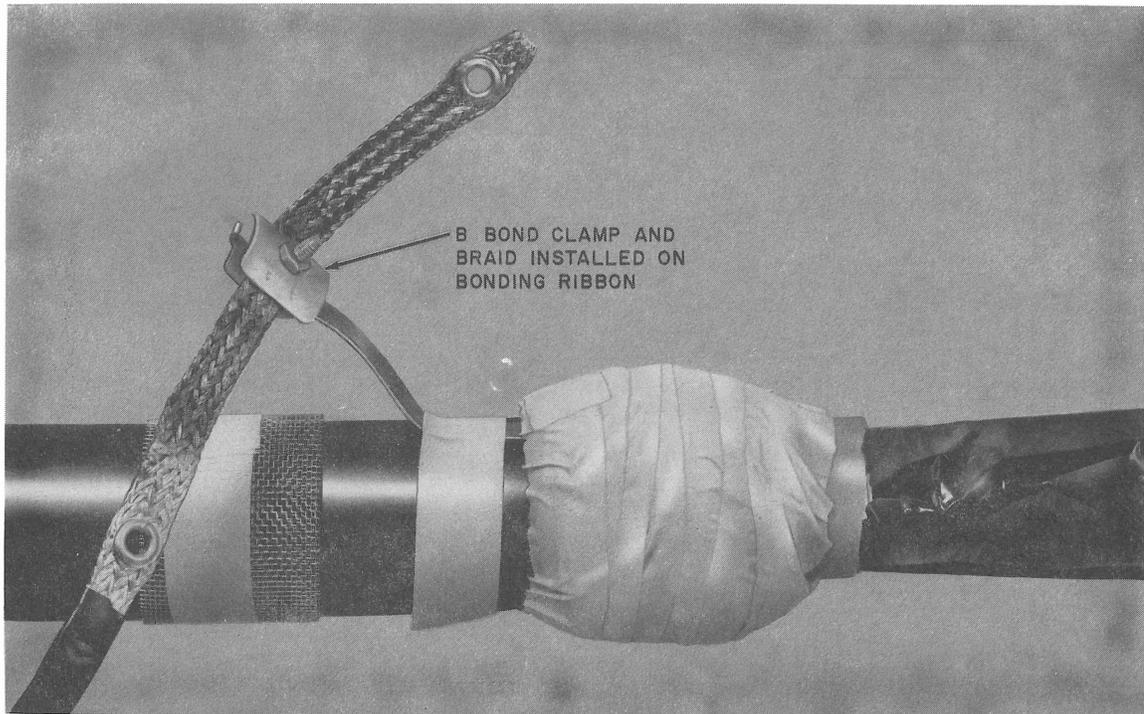


Fig. 10—Completed Wrapped Joint

**5.05** Place the brass wire cloth on the cable sheath and secure with a wrap of glass tape as shown in Fig. 10. The brass wire cloth is placed on the cable sheath to prevent the jaw tooth clamps on the end plate from piercing outer polyethylene jacket.

**5.06** Place a wrap of glass tape around the bonding ribbon for strain relief. (Fig. 10).

**5.07** Install B bond clamp and braid on the bonding ribbon as shown in Fig. 11.



**Fig. 11—Installed Bonding Braid**

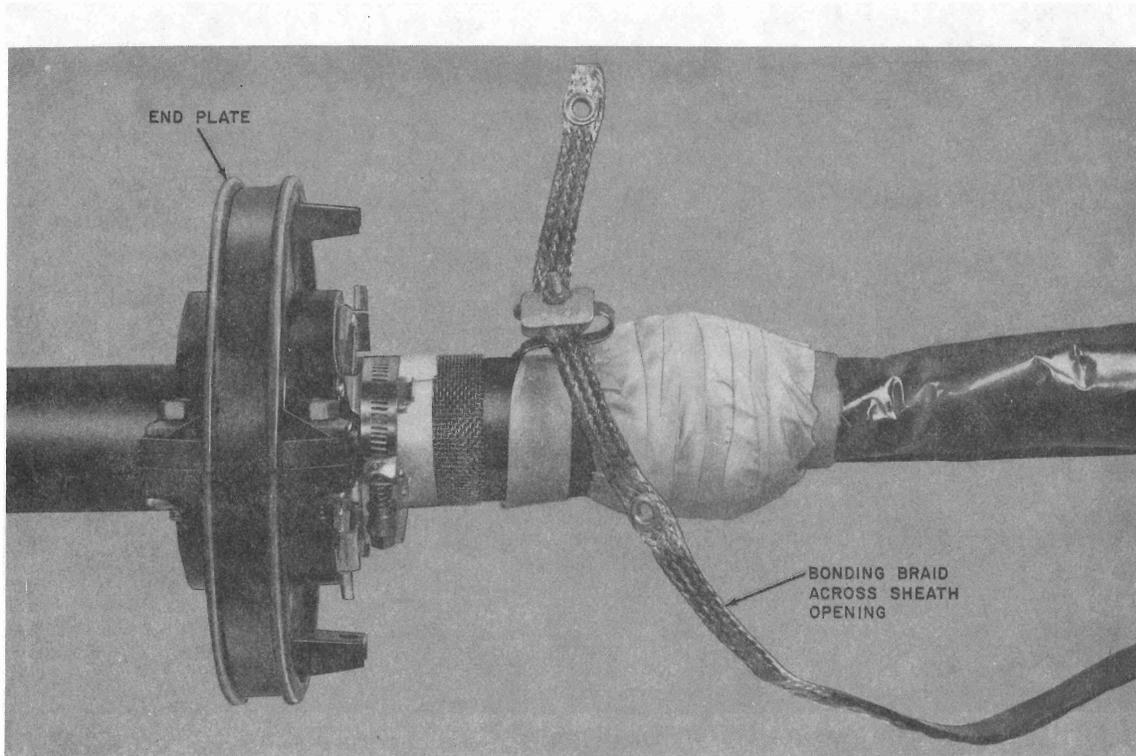
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**5.08** Fold the bond ribbon back prior to end plate installation as shown in Fig. 12.

The jaw tooth clamps must be positioned over the brass wire cloth as shown in Fig. 12 to prevent the teeth from penetrating the cable sheath.

**6. END PLATE INSTALLATION**

**6.01** Install end plates on each side of cable sheath as outlined in Section 633-506-201.



**Fig. 12—Completed Wrapped Joint and Installed End Plate**