

WRAPPED JOINTS
2-TYPE PLASTIC CLOSURE
DUAL SHEATH CABLE

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1. GENERAL

1.01 This section describes the method of making a wrapped gastight joint on dual sheath cable which permits the use of 2-type plastic closure.

1.02 This section is reissued to outline procedures for removing the clear petroleum jelly flooding compound from inner and outer polyethylene sheath of PASP sheath cable.

1.03 The description and installation of the 2-type closure is covered in Section 633-506-201.

1.04 The wrapped gastight joint should be placed and bonding ribbon installed before splicing.

2. HARDWARE AND MATERIALS REQUIRED

2.01 The following items must be ordered as required for constructing a wrapped gastight joint.

- (a) D-180660 Kit of Parts (Fig. 1)—one (1) kit required for each dual jacket entrance cable

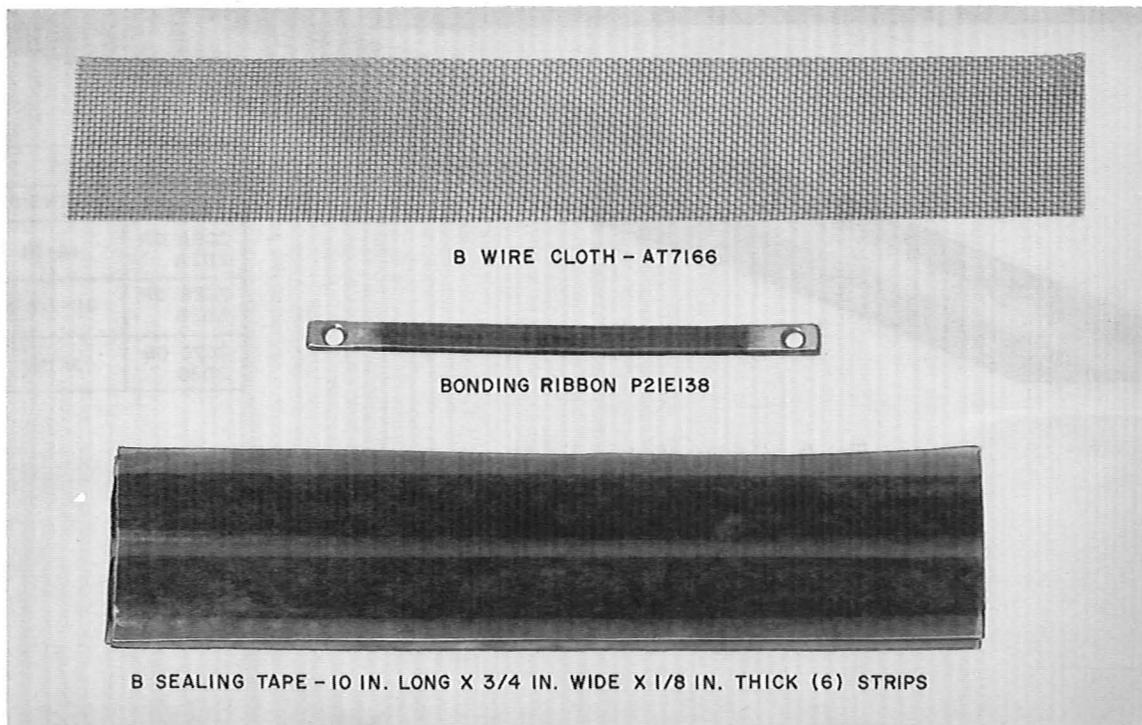


Fig. 1—D-180660 Kit of Parts

NOTICE

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

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

◆**Note:** If the PASP sheath is flooded with black thermoplastic compound, **do not clean.** Continue to 3.04.◆

3.03 ◆Remove the clear petroleum jelly flooding compound from the inner and outer polyethylene sheaths of the PASP sheath cables as follows:

(a) Obtain a 3-foot length of 1/4-inch wide B cotton tape, then wrap this around the inner sheath. Using a sawing action, work it down the sheath to remove the mass of the flooding compound.

(b) Using a KS-14666 cloth soaked with KS-21446 solvent, wipe down the inner sheath for a distance of approximately 3 inches on either side of the inner/outer sheath interface to remove the flooding compound.

(c) Using a small amount of B cleaning fluid remove the KS-21446 solvent. Both inner and outer sheaths should be completely clean of flooding compound and solvent.◆

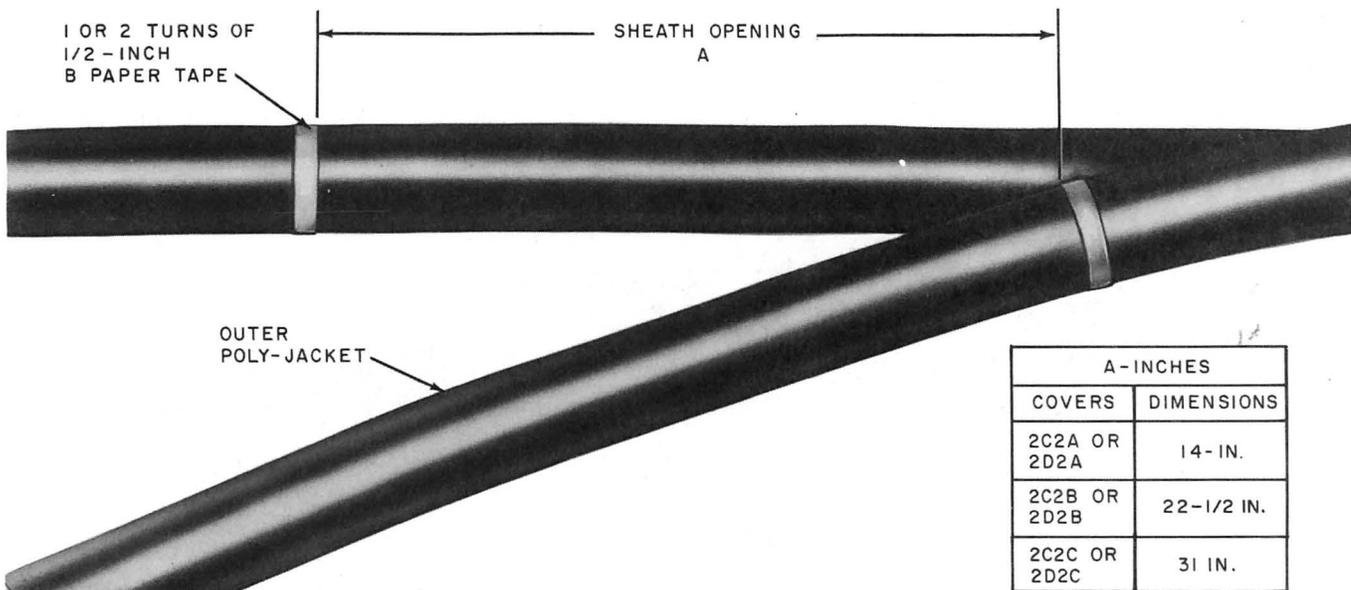


Fig. 2—Cables Marked for Sheath Opening

3.04 Cut and remove the inner polyethylene sheath as shown in Fig. 3.

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.

3.05 Using a carding brush scuff the outer and inner polyethylene sheath 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.

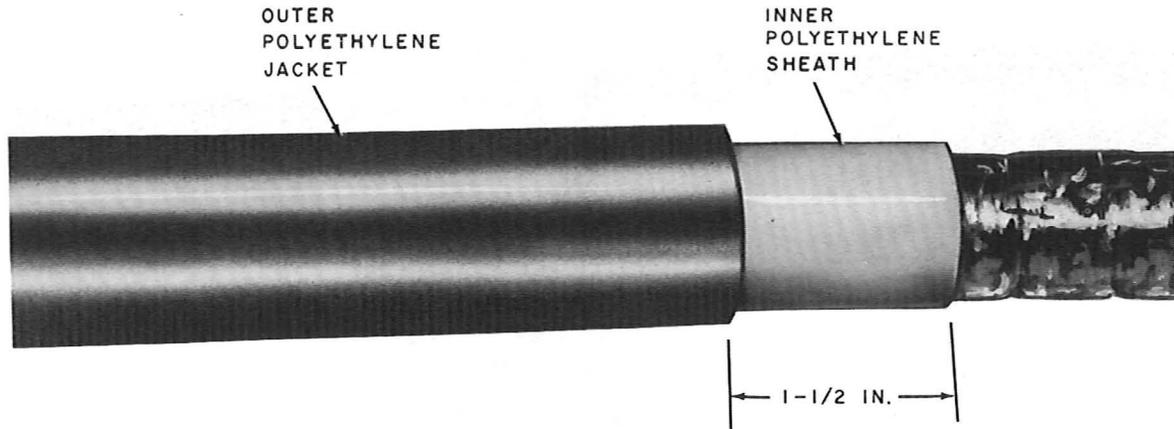


Fig. 3—Removed Cable Sheath

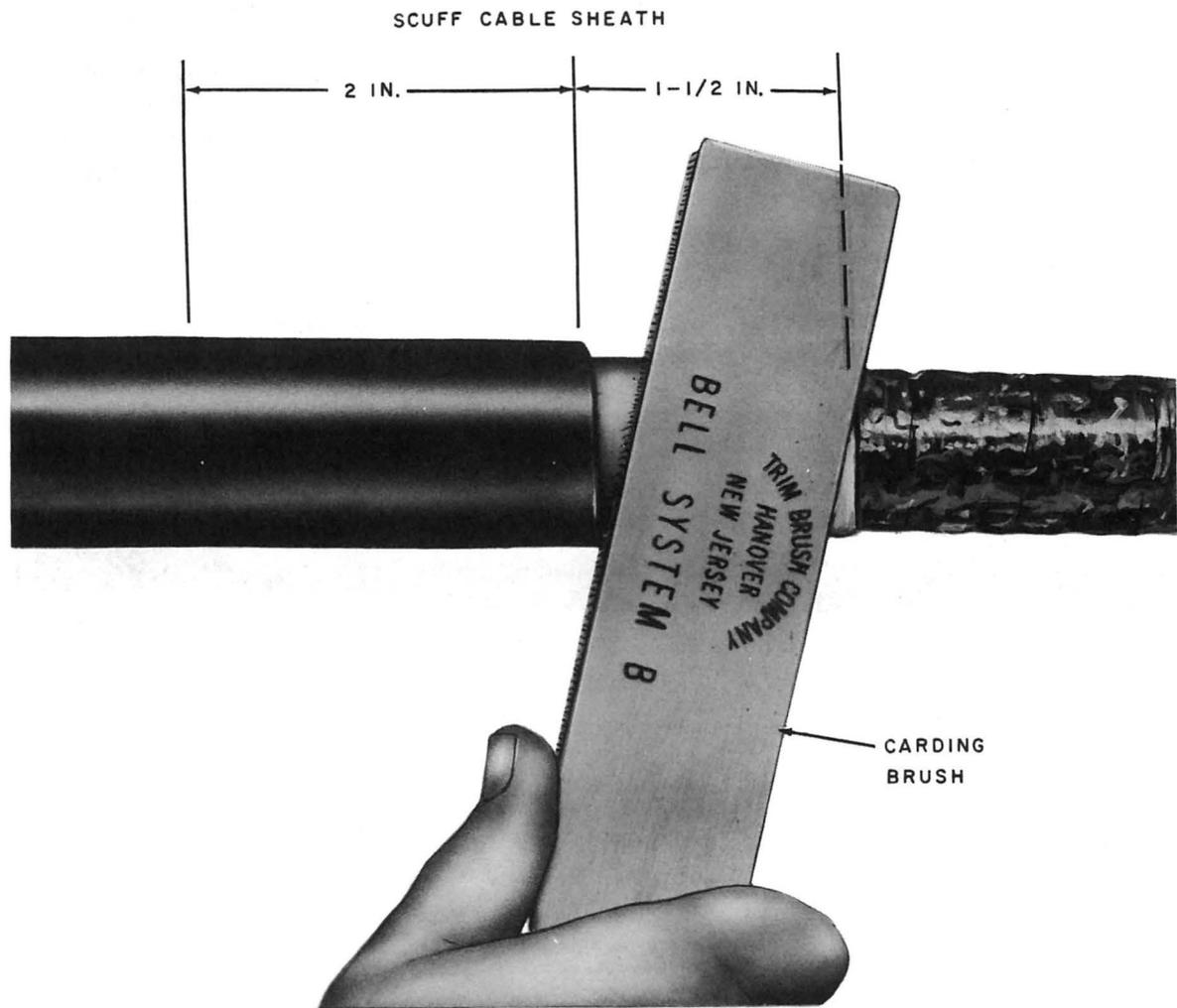


Fig. 4—Scuffing Sheath



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).

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.

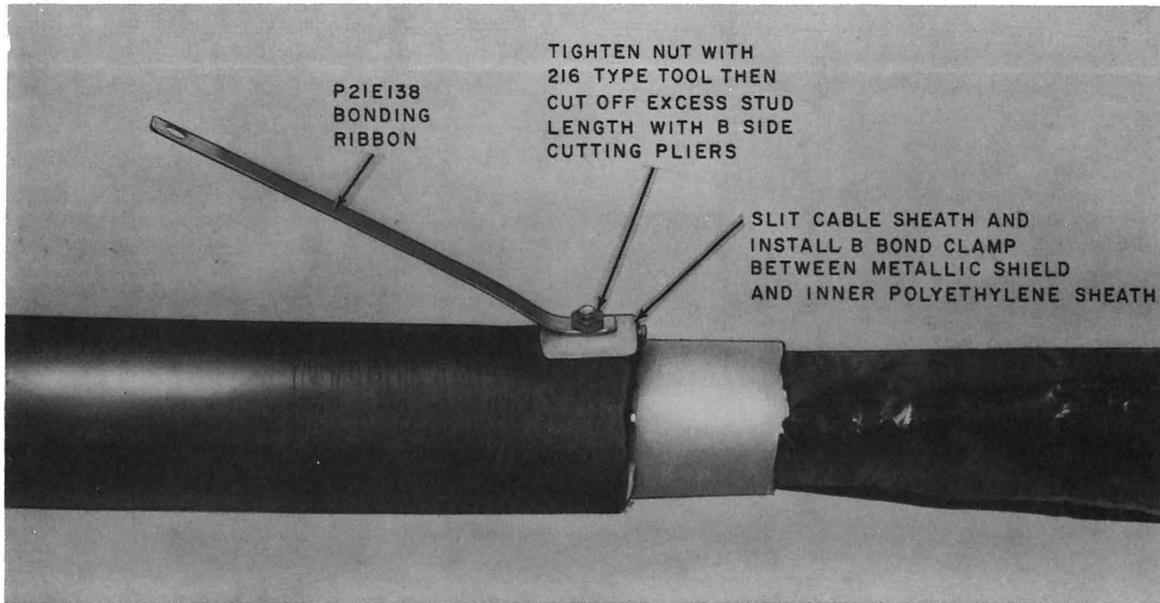


Fig. 6—Installed Bonding Clamp and Bonding Ribbon

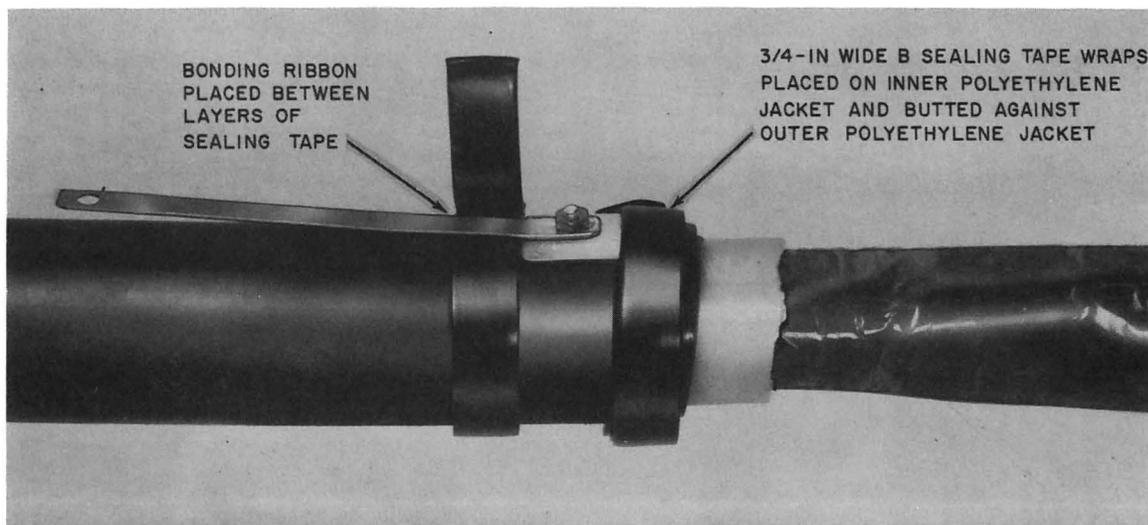


Fig. 7—B Sealing Tape (3/4-Inch Wide) Placed at Each End of Bond Clamp

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.

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.

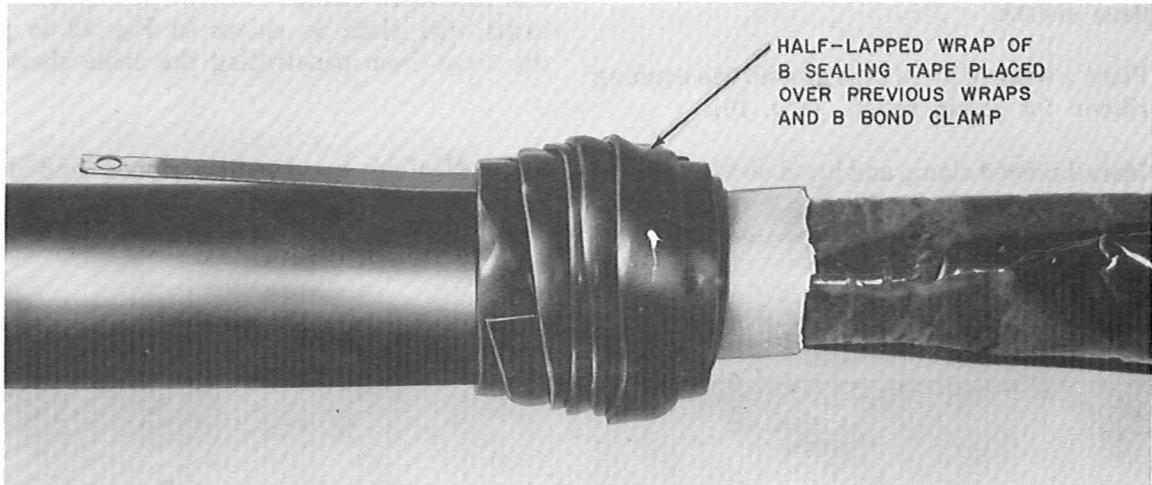


Fig. 8—Joint Wrapped With 3/4-Inch B Sealing Tape

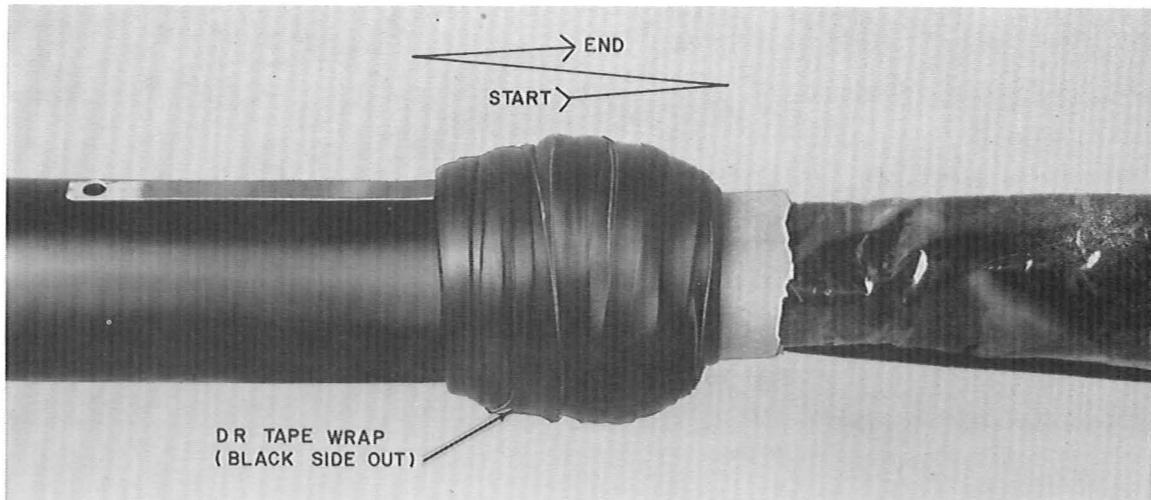


Fig. 9—DR Tape Wrap

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

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.

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

6. END PLATE INSTALLATION

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

6.02 Unfold the bonding ribbon and dress it securely against the cable with vinyl tape.

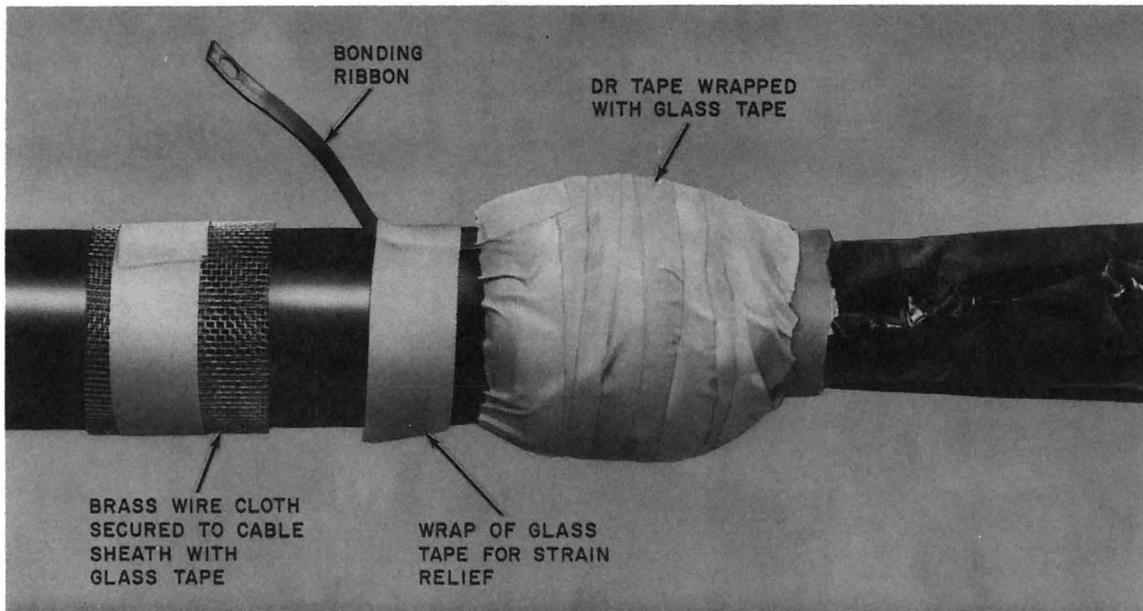


Fig. 10—Completed Wrapped Joint

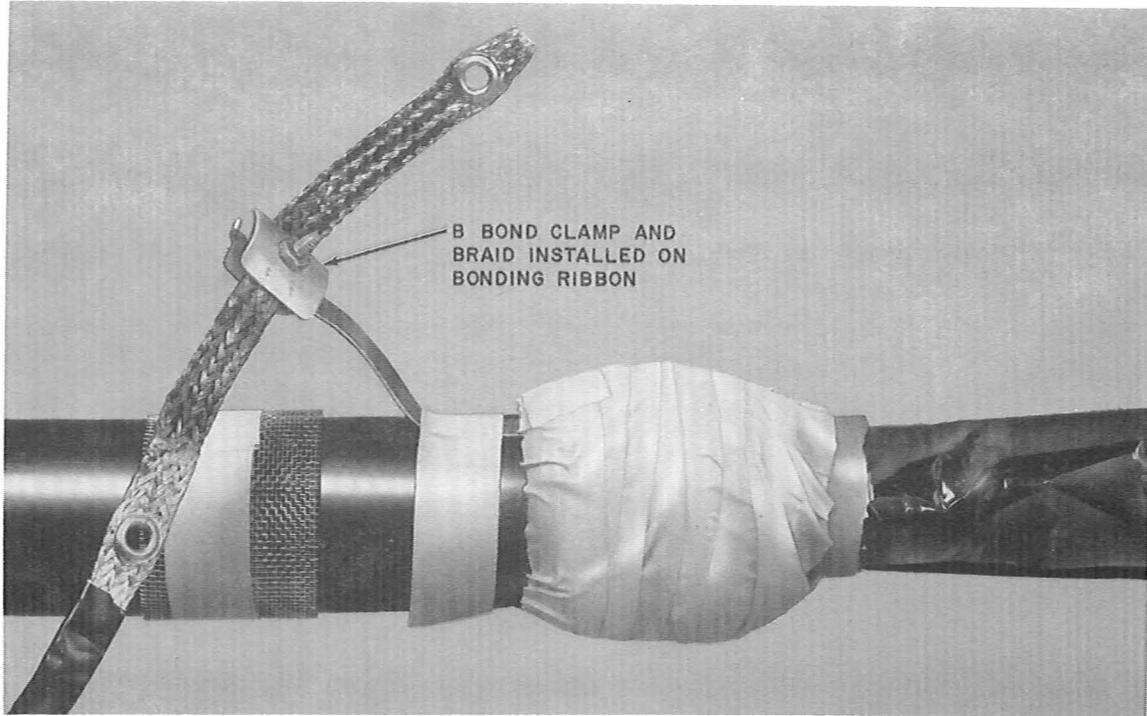


Fig. 11—Installed Bonding Braid

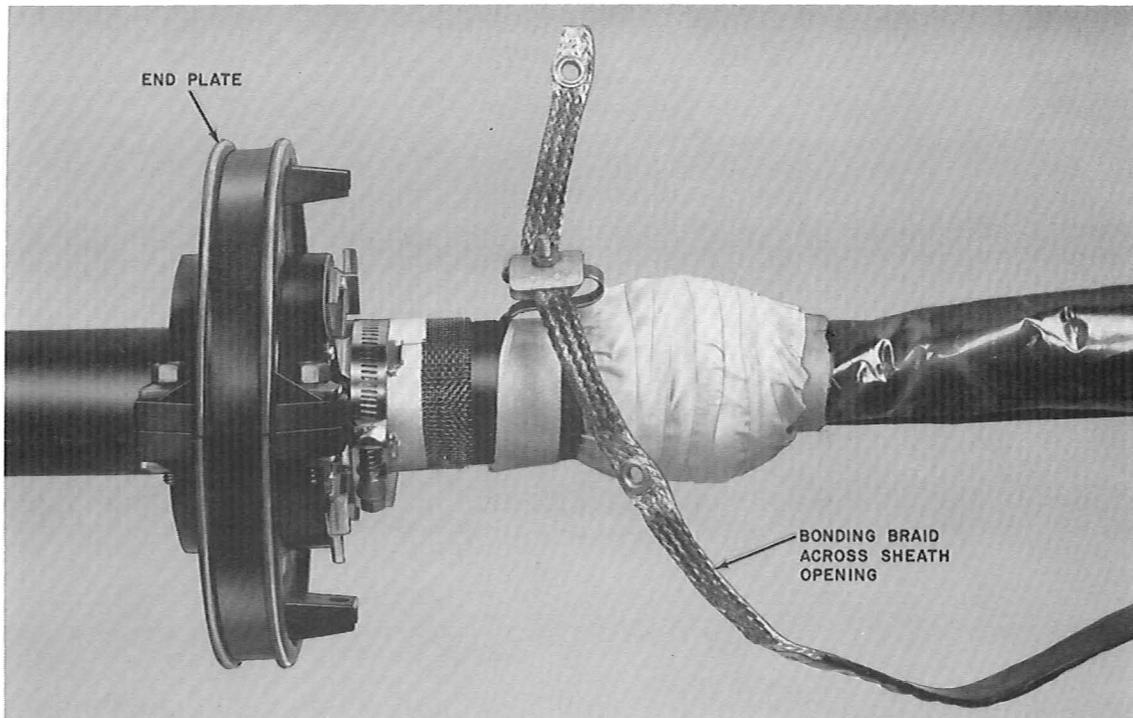


Fig. 12—Completed Wrapped Joint and Installed End Plate