

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

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CABLE SPLICING — GENERAL

PREPARING POLYETHYLENE JACKETED CABLE ENDS

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1. GENERAL

1.01 This section replaces Issue 1 and outlines the method of preparing the ends of Polyethylene Jacketed Cable at splice openings. This type of cable has a lead sheath with an outer jacket of polyethylene to provide corrosion protection.

1.02 This section has been reissued to specify the use of DR← Tape in wrapping the polyethylene.

1.03 The method of protecting the core at the cut end of the lead sheath depends on the type of cable involved. Appropriate methods are covered in separate sections.

2. PRECAUTIONS

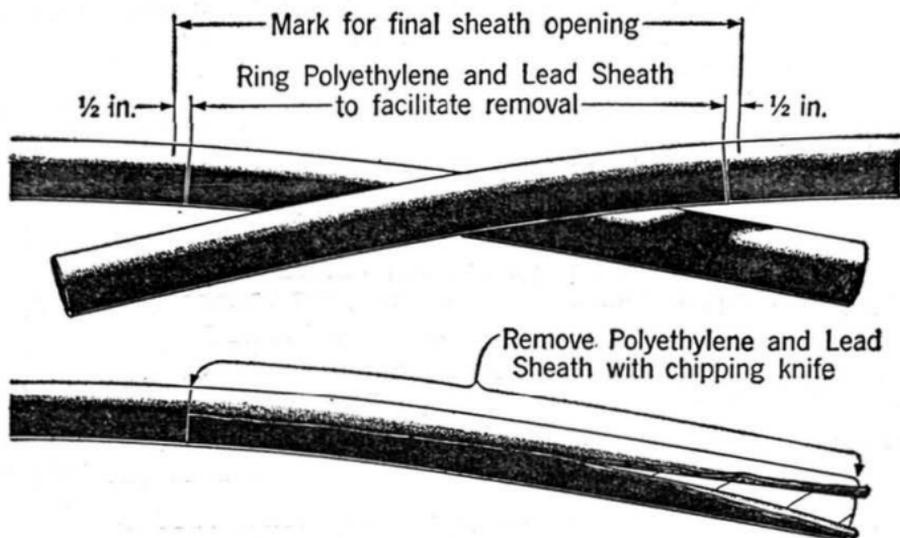
2.01 Since the protection of the lead sheath against corrosion depends on having a complete covering, it is essential to avoid damaging the polyethylene in setting up the cable.

2.02 The lead sheath is somewhat thinner than on ordinary lead sheath cable. Care should be taken in beating-in the lead sleeve on the lead sheath to avoid damaging the lead sheath.

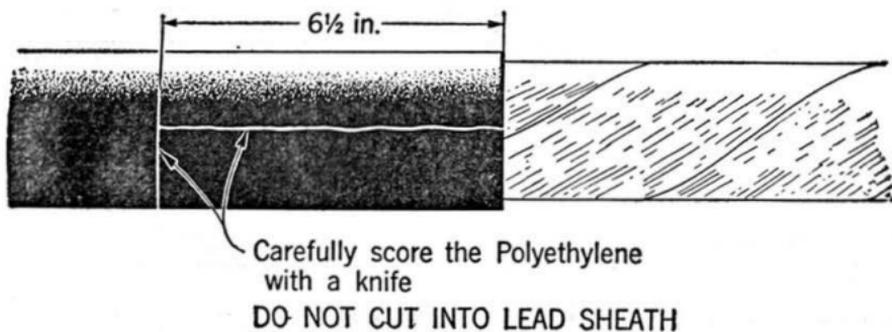
3. REMOVING SHEATH

3.01 The length of the sheath opening is determined in the usual manner, using the length for plain lead sheath cable except where lepeith sheath is involved.

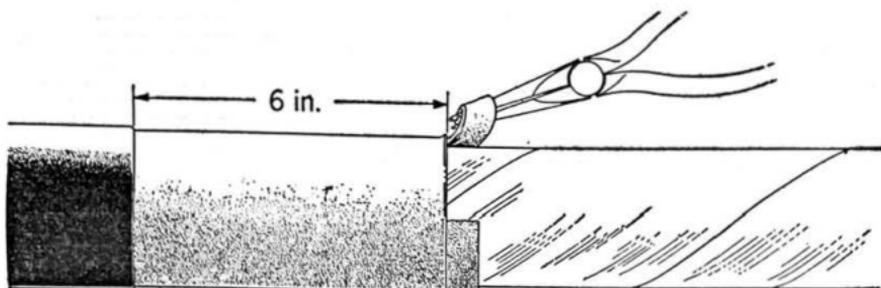
3.02 The outer polyethylene and lead are scored completely around the cable 1/2 inch from the opening marks as indicated. The polyethylene and lead sheath are then removed to this point.



3.03 The lead sheath is then exposed at each end for a distance of 6-1/2 inches. First, carefully score the polyethylene as shown; then peel off the polyethylene so as to avoid damaging the lead sheath. The compound can be cleaned from the lead sheath using a kerosene soaked cloth.



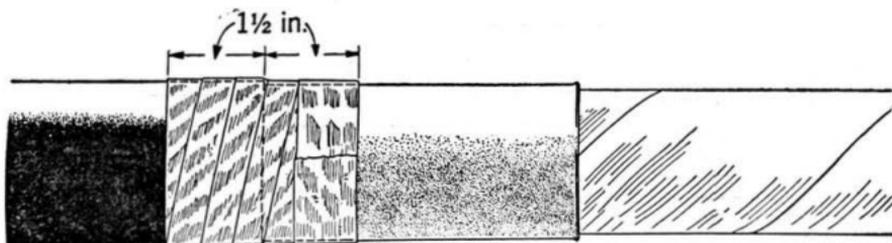
3.04 A 1/2 inch strip of the lead sheath is now removed as illustrated below, to flare the sheath ends and provide the correct length of opening.



Ring the Sheath and peel off 1/2 in. width with long nose pliers, to leave a flared end.

4. WRAPPING END OF POLYETHYLENE

4.01 The ends of the polyethylene are permanently wrapped as shown below, to prevent enlargement due to softening during wiping operations.



Apply one half-lapped layer of 3/4 in. DR Tape. Follow with one half-lapped layer of No. 27 Scotch Electrical Tape