CABLE SPLICING — GENERAL
PREPARATION OF LEPETH SHEATH ENDS

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1. GENERAL

1.01 This section replaces Issue 1 and outlines the method of preparing the ends of the lepeth sheath and protecting the core at splice openings. It has been reissued to specify ← the use of DR Tape in place of CR Tape.

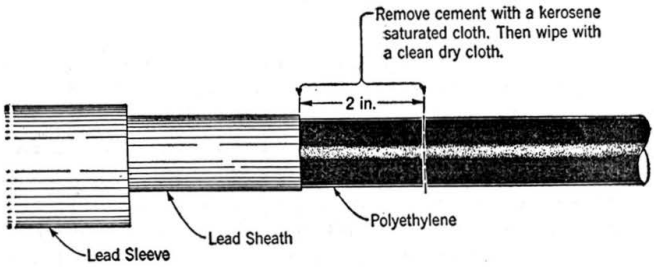
1.02 Lepeth sheath cable is made with an extruded layer of polyethylene between the core and the lead sheath. The arrangement shown is used to obtain the necessary dielectric strength from core to sheath at the ends of the splice and to provide a gas seal between the polyethylene and lead.

1.03 Extreme care must be taken in preparing the ends to prevent damage to the thin lead sheath and to the polyethylene.

2. PREPARATION OF ENDS

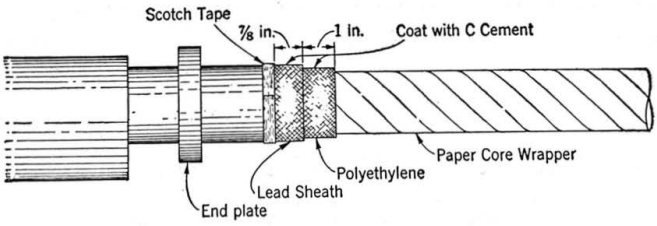
2.01 Remove any outer covering and clean the lead sheath as outlined in other Sections of the Practices. Slip the lead sleeve over one side of the opening.

2.02 Remove the lead sheath. Inspect the end of the sheath and remove any projections of lead which press against the polyethylene. Then clean the cement from the polyethylene as indicated below.



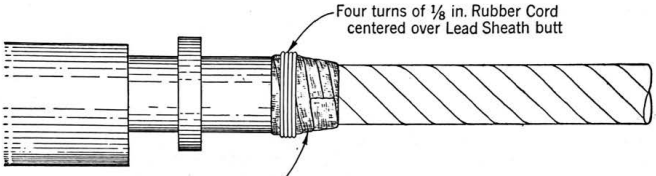
2.03 Remove the polyethylene to within 1 inch of the lead sheath. Then slip an end plate over the lead sheath.

2.04 Scuff the exposed polyethylene and the lead sheath with a carding brush from the sheath butt to the wiping area and place one turn of 3/8 inch scotch tape 7/8 inch from the end of the lead sheath. Do not put stearine on the lead sheath between the sheath butt and the scotch tape marker. Coat the lead sheath and polyethylene with C Cement as indicated below.



2.05 Allow the C Cement to dry about five minutes and then remove the scotch tape. Starting on the lead sheath, apply one 2/3-lapped layer of 3/4 inch DR Tape over the cemented area and about 1/8 inch of the paper core wrapper. In applying the tape, stretch it so that its width is reduced to about 5/8 inch.

2.06 Place two half-lapped layers of 3/4 inch No. 27 Scotch Electrical Tape over the DR Tape wrapping and bind down with rubber cord, as indicated below. The rubber cord should be applied with a tension which elongates the cord about 50 per cent. and the ends should be tied with a square knot. A completely prepared end is illustrated below.



Lead Sheath and Polyethylene wrapped with 3/4 in. DR Tape 2/3 overlapped followed with two half-lapped layers of No. 27 Scotch Electrical Tape

2.07 The tape wrappings provide the necessary protection for the core at the end of the sheath and no additional wrapping is required after the paper core wrapper is removed.