

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G55.110.4
Issue 3, October, 1951
AT&T Co Standard

UNDERGROUND CABLE PLACING
SEALING ENDS

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1. GENERAL

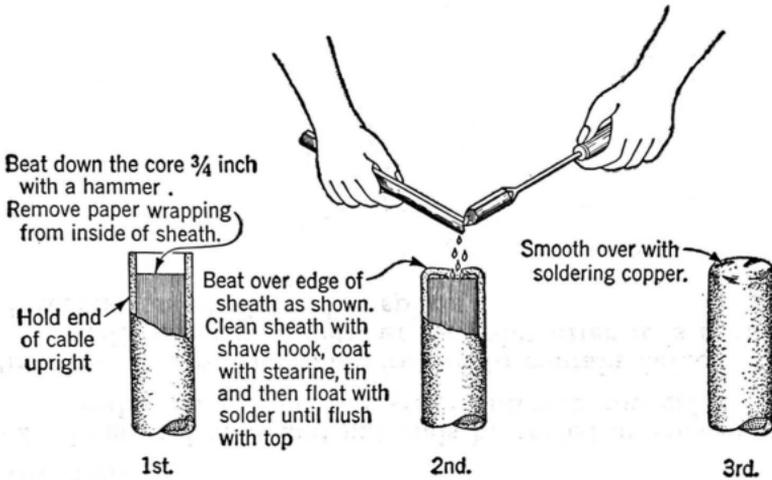
1.01 This section replaces Issue 2. It is reissued to include stalpeth sheath cable and also to modify the method of sealing the ends of cables of this type. Alpeth and stalpeth sheath cables are combined under the heading of polyethylene sheath cable.

1.02 It is desirable that cut ends be sealed as soon as practicable to prevent moisture entering the cable.

1.03 The end of any cable known to contain defective pairs shall be marked with green paint after it is sealed for the information of the cable splicer.

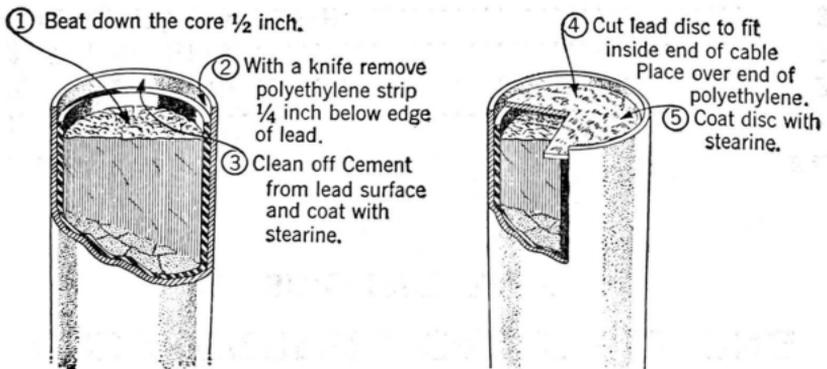
2. LEAD SHEATH

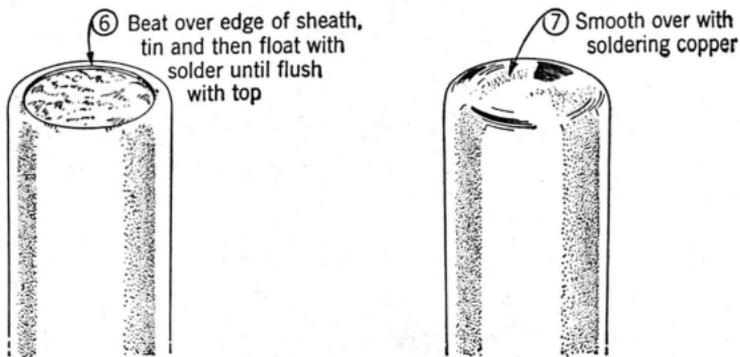
2.01 Cut ends of lead sheath cable shall be sealed in accordance with the method outlined below.



3. LEPETH SHEATH

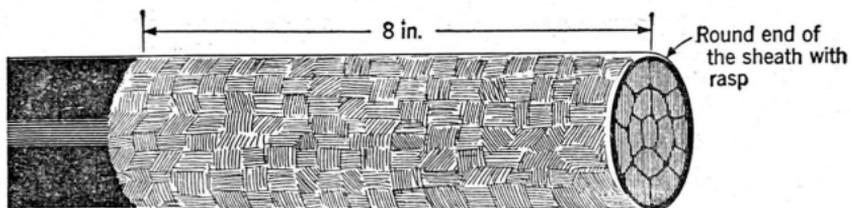
3.01 Seal cut ends of lepeth sheath cable as outlined below.



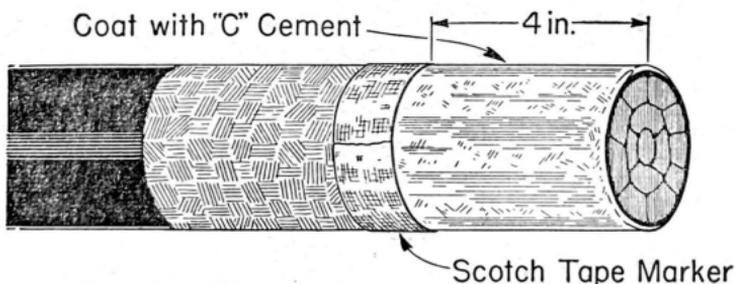


4. POLYETHYLENE SHEATH

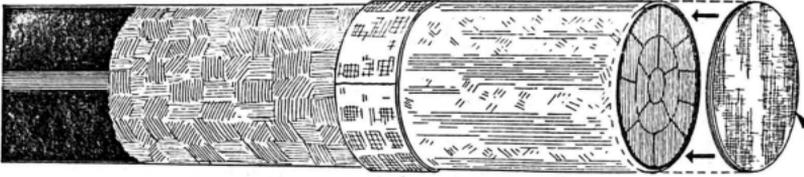
4.01 The cut ends of polyethylene (alpeth and stalpeth) sheath cable shall be sealed as outlined below.



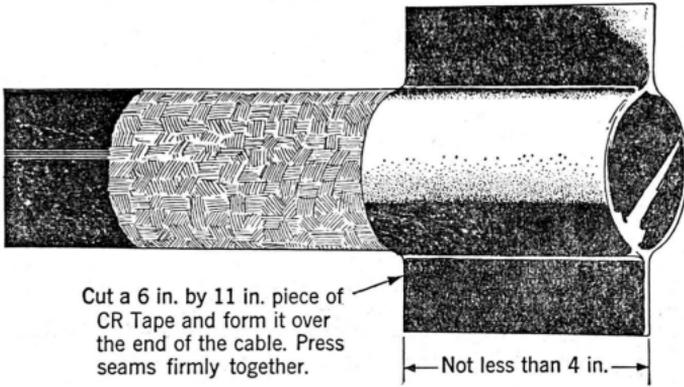
Scuff 8 inches of polyethylene sheath to a uniform dull surface with a carding brush



Place scotch tape marker 4 inches from end
Coat with "C" cement as indicated.

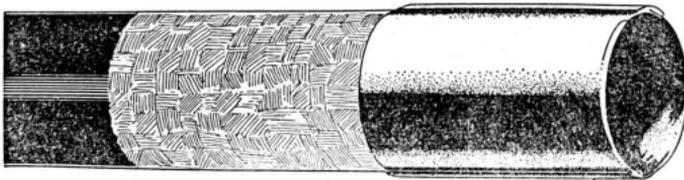


Form pad of 3 or 4 thicknesses of friction tape. Trim and fit over end of cable. Remove Scotch tape marker.

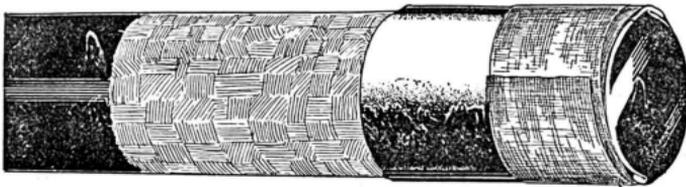


Cut a 6 in. by 11 in. piece of CR Tape and form it over the end of the cable. Press seams firmly together.

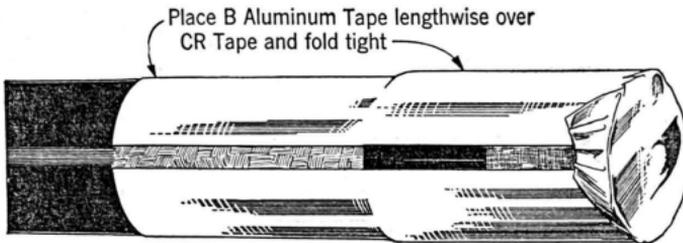
Not less than 4 in.



Trim excess to $\frac{1}{2}$ in. and fold over

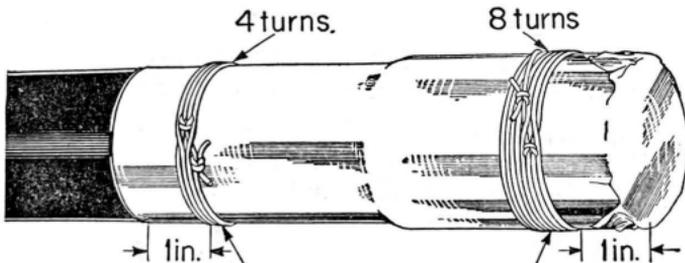


Bind outer end with two turns of friction tape



Place B Aluminum Tape lengthwise over CR Tape and fold tight

Place second piece of aluminum tape lengthwise and at right angles to first piece and fold tight. Then bind with rubber cord as indicated.



$\frac{1}{8}$ in. rubber cord tied with two square knots

4.02 The binding of rubber cord, one inch from the outer end, makes the seal tight. In using the rubber cord, take two tight turns around the cable, thread the free end under one of the turns and secure with a square knot. Take one tight turn over the free end and then five tight turns over the group, finishing with another square knot.

4.03 If desired BT-1 Aero-Seal clamps may be used in place of the rubber cord. The clamps should be located one inch from each end of the aluminum tape wrapping.