

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

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AT&T Co Standard

LASHED AERIAL CABLE

TERMINATING — TYING LASHING WIRE

Contents	Page
1. General	1
2. Method of Securing Ends of Lashing Wire.....	1
3. Method of Joining Lashing Wire.....	4
4. Typical Arrangements	4

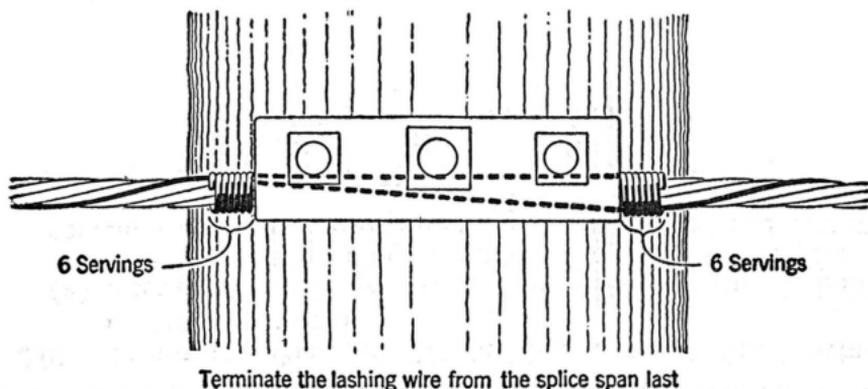
1. GENERAL

- 1.01 This section covers the methods to be used when terminating lashing wire by tying.
- 1.02 Lashing wire ties may be used to secure all sizes of lashing wire on all sizes of suspension strand.
- 1.03 The arrangement of supports and spacers are covered in other sections in this group. The arrangements covered herein are intended to illustrate the position of the lashing wire and the location of the ties. Should conditions arise that are not covered in these arrangements, the same general principles should be followed.

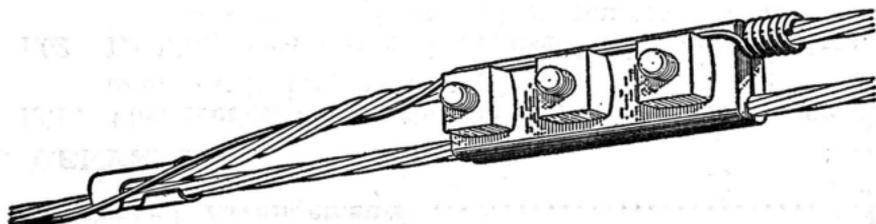
2. METHOD OF SECURING ENDS OF LASHING WIRE

- 2.01 Terminate 065 and 091 lashing wire at fixed attachments, as shown.
- (a) Secure the lashing wire at the pole by taking it behind the suspension clamp, under the nut and make six servings around the strand at the far end of the clamp.

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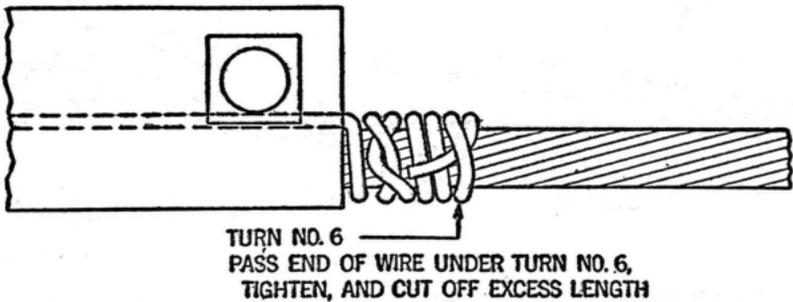
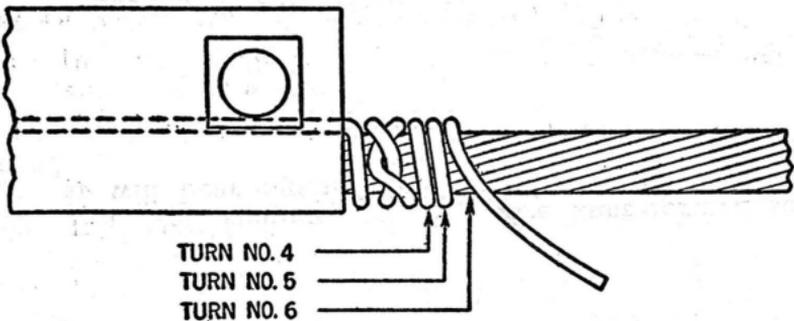
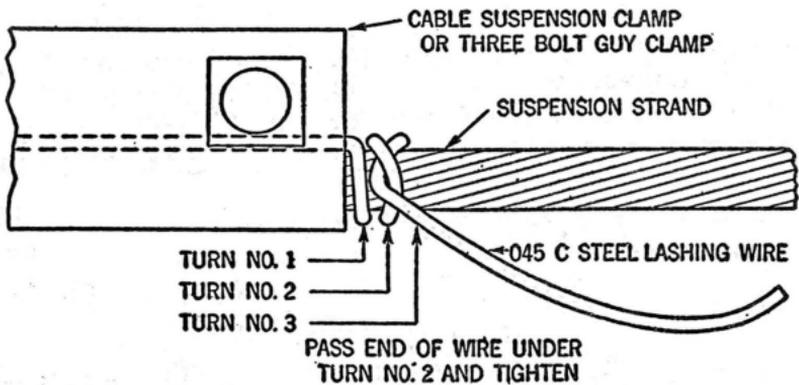


- (b) At dead ends and strand connectors take the lashing wire to the near end of the clamp nearest the pole or the connector and make six servings around the strand.



- (c) At crossovers or pull-off attachments take the lashing wire to the far side of the clamp and make six servings around the strand.

2.02 Terminate and serve 045 lashing wire as shown. Because of the springiness of 045 lashing wire, the method employed in terminating and serving the larger sizes of lashing wire can not be employed.



2.03 Before securing the ends of lashing wire either permanently or temporarily, **tap the strand sharply a few times while maintaining a pull on the wire** to remove any slack which may have been introduced in the lashing wire.

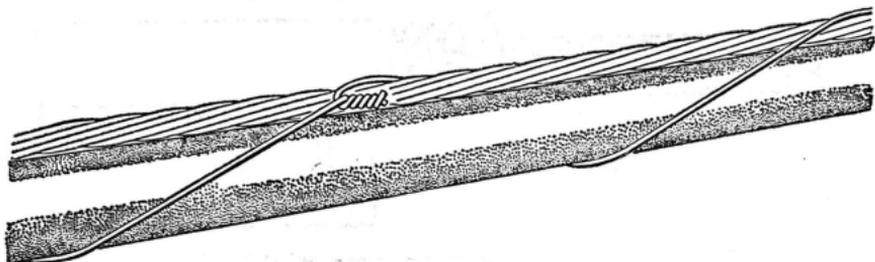
2.04 Where no splice is present, the lashing wire between the point where the outermost support is to be placed and the pole or strand connector should be lashed around the strand only, with a lay approximating that of the individual wires of the strand.

2.05 Where there is to be a splice, the lashing wire should be lashed around the strand only, for about 24 inches from the suspension bolt and sufficient excess wire should be left to permit permanent termination after splicing work is completed.

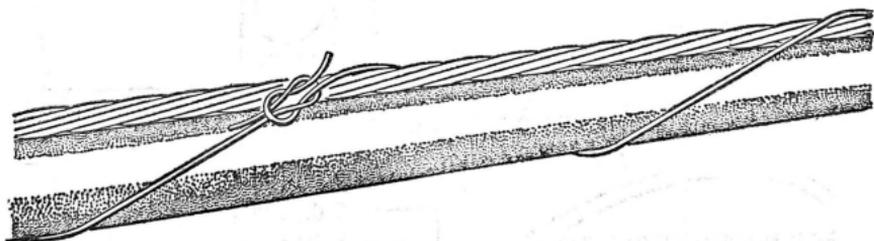
3. METHOD OF JOINING LASHING WIRE

3.01 Wherever practicable, avoid lashing wire splices.

3.02 Where necessary to join the ends of 065 or 091 lashing wire make a pigtail joint. Locate the joint so that it will bear against the side of the strand and not against the cable.



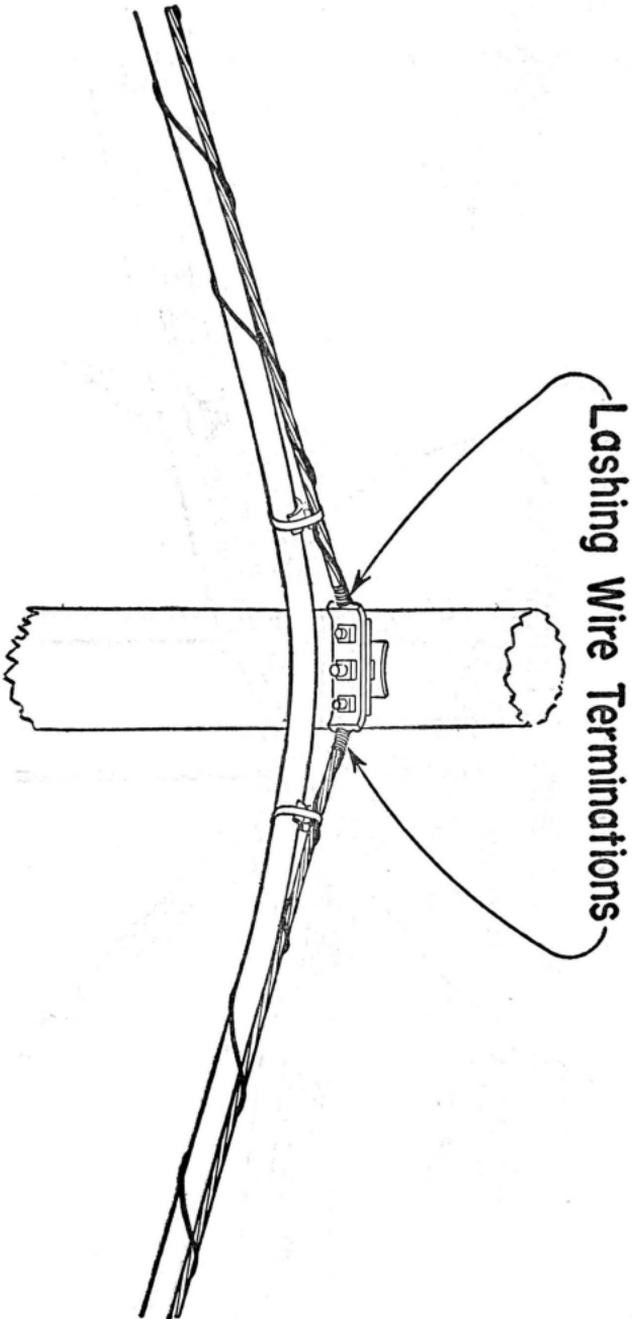
3.03 For 045C lashing wire, a **square knot** formed so that it will bear against the strand and pulled taut may be used.



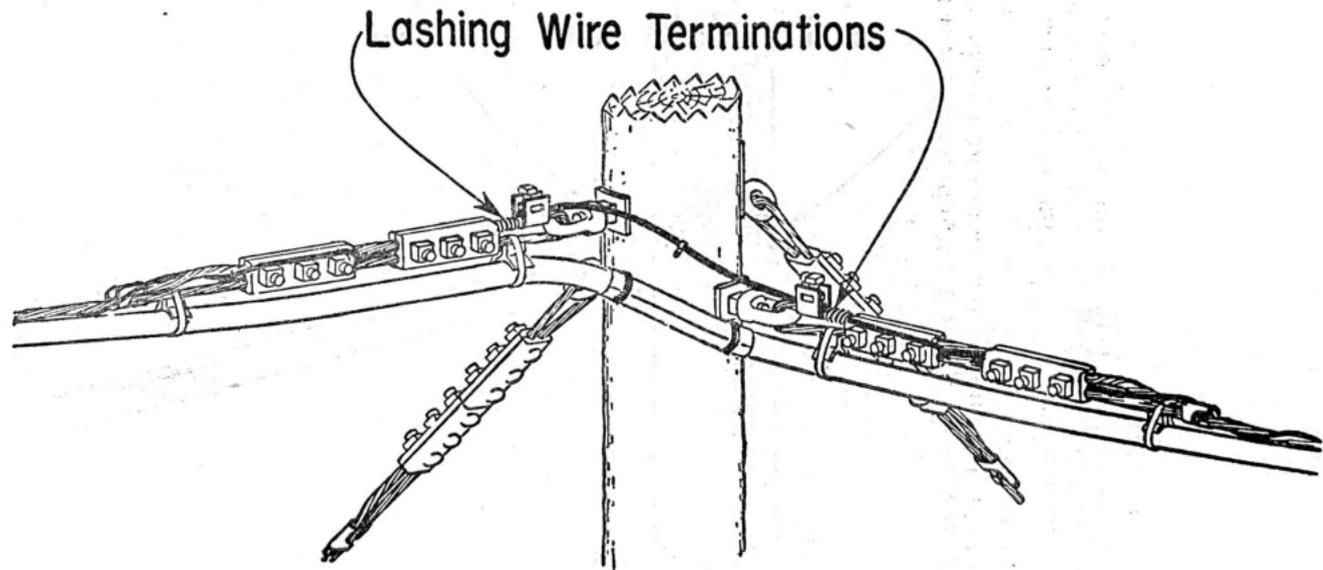
4. TYPICAL ARRANGEMENTS

4.01 The following illustrations are intended to show the position of the lashing wire and the location of the ties under various conditions frequently encountered in the field.

4.02 At in-line and corner poles where the suspension strand is continuous.



4.03 At dead ends. The arrangement of the lashing wire and ties is the same regardless of whether the cable is continuous past dead end, as at pole strand connector locations and corners of over 50 feet pull, or the cable terminates aerially at the pole, as at a cable end pole, etc.

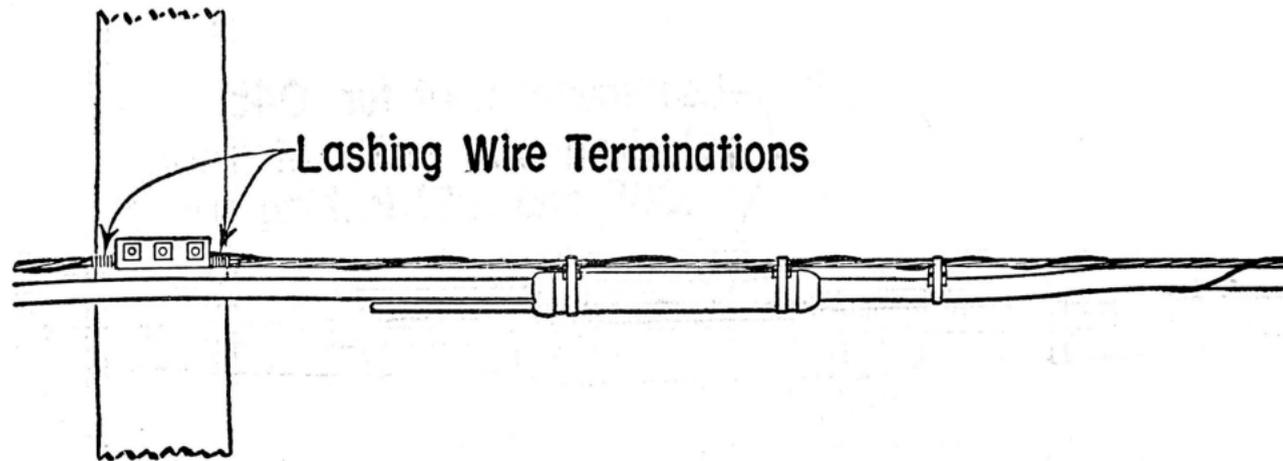


4.04 At splices in the span 10 feet or more from a pole arrange the lashing wire as shown. Where the splice is less than 10 feet from the pole wrap the lashing wire around the strand only up to the pole and terminate at the suspension clamp.

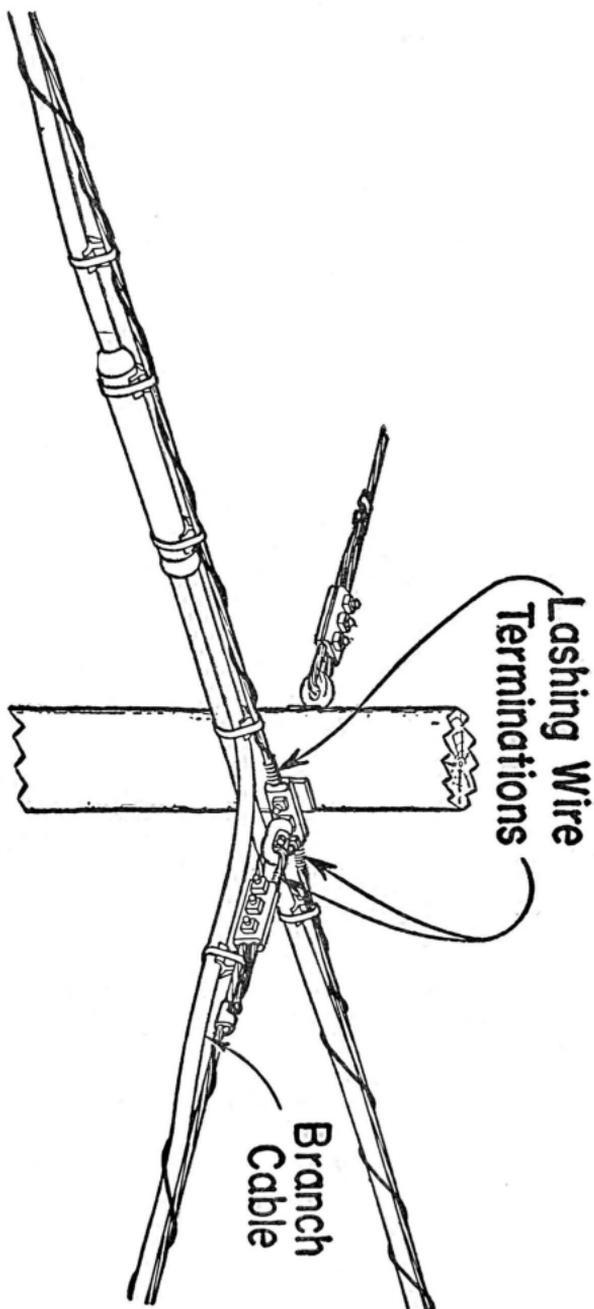
Use square knot for .045
lashing wire and pigtail for
.065 and .091 lashing wire



4.05 At terminal splice locations at in-line poles.



4.06 At branch cables arrange the wire as shown.



G52.125.3

Page 9
9 Pages

LASHED AERIAL CABLE
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