

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G52.126.1
Issue 1, April, 1957
AT&T Co Standard

AERIAL CABLE

LASHING CABLE PAST POLE

OMITTING SUPPORTS AND SPACERS

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1. GENERAL

1.01 This section contains instructions on a modified method of lashing aerial cable past a pole. Cable supports and spacers are omitted and the cable lasher is passed around the pole without cutting and terminating the lashing wire.

1.02 This method is adaptable to temporary ring, sliding ring, cable blocks or direct cable lashing methods.

1.03 The methods covered in this section shall be limited to cables weighing 2.3 pounds or less per foot supported on 6M or 10M strand. At corner locations when 6M suspension strand is used and the pull is more than 10 feet, or when 10M strand is used and the pull is more than 5 feet, place cable supports and terminate the lashing wire in accordance with existing practices.

2. PLACING STRAND

2.01 Perform all preliminary work in connection with placing and tensioning strand in the usual manner. Where the cable is to be lashed directly to the strand from a moving reel the cable suspension clamps need not be tightened permanently until lashing is in progress. At that time, the cable suspension clamps should be tightened one full span in advance of the lasher, thereby eliminating one climb at each pole.

3. PLACING CABLE

3.01 When placing cable by the direct lashing method, position the trailer from 30 to 50 feet ahead of the cable guide and adjust reel brake to provide enough tension to keep the cable suspended above the ground.

3.02 When lashing cable by the ring or block methods, maintain proper tension in the cable as outlined in other sections of the Practices.

4. TRANSFERRING LASHER AROUND POLE

4.01 At a pole or other attachment which requires removal of lasher from the strand, it is necessary to have the spacing of the lashing wire turns at the pole or attachment conform closely to spacing in the span to prevent loosening of the wire by slipping.

4.02 The following instructions describe the procedure for transferring the lasher :

(1) After the cable guide has been transferred around the pole or the rings and cable blocks have been removed, pull the lasher up to the pole and secure lashing wire to the strand using a lashing wire grip.

(2) Remove lashing wire from around the tensioning pulleys and pull enough slack from the coil to permit the lasher to be transferred past the pole. Rotate the lasher manually about two turns to place additional wraps of lashing wire around the cable and strand. The number of turns will depend on the position of the lasher opening when the lasher is pulled up to the pole. It is generally undesirable to rotate the lasher less than 1-3/4 times.

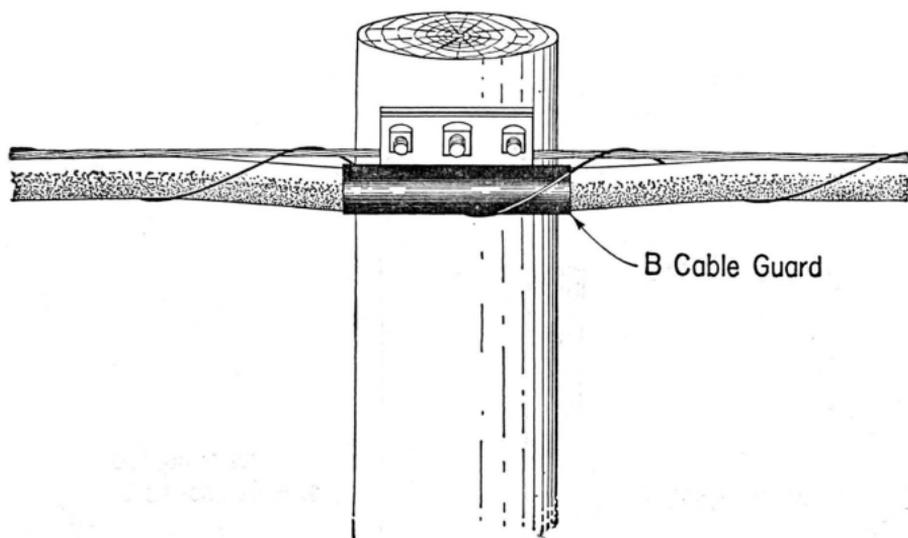
(3) Place a B cable guard over the cable directly below the cable suspension clamp with the **open side of the guard away from the pole.**

(4) Transfer the lasher past and about 8 inches beyond the pole.

(5) Draw the lashing wire up firmly around the strand and cable and rethread it onto the tensioning pulleys.

(6) Arrange the lashing wire around the cable and strand so that the turns and spacing between the lashing wire grip and the lasher conform as nearly with the spacing in the span as the hardware at the pole will permit. This may require further manual turning of the lasher. This will also aid in obtaining proper tension in the lashing wire.

(7) Before starting the lasher, draw the cable tightly to the strand at each side of the pole. After the lasher has moved a few feet release the cable and strand. At corners it will be necessary to grip the cable and strand until the lasher has moved to a point where the strain at the corner is released. The lashing wire grip is then removed.



B Cable Guard

5. USE OF SUPPORTS AND SPACERS

5.01 Place cable supports and terminate the lashing wire in accordance with existing practices when placing cable that weighs more than 2.3 pounds per foot and at corners where the pull is more than 10 feet when 6M strand, and 5 feet when 10M strand is used.

