

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G52.125.4
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AT&T Co Standard

LASHED AERIAL CABLE

ARRANGEMENT OF SUPPORTS

WHERE NO SPLICE IS PRESENT

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1. GENERAL

1.01 This section covers the arrangement of supports for lashed cable where no splice is present.

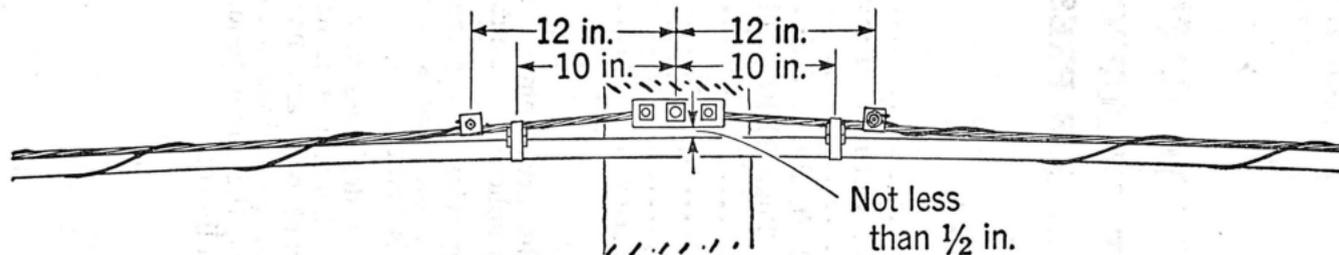
1.02 Terminate the lashing wire and place the necessary supports, spacers and cable guards or shields as soon as practicable after the cable is lashed.

1.03 These arrangements are designed to hold the cable in a long smooth curve, wherever it is not lashed snugly to the strand, free from contact with any hardware or other points of interference. Should conditions arise that are not covered in these arrangements, the same general principles as herein illustrated should be followed.

2. STRAIGHT LINE POLES AND CORNERS OF LESS THAN 15 FT. PULL

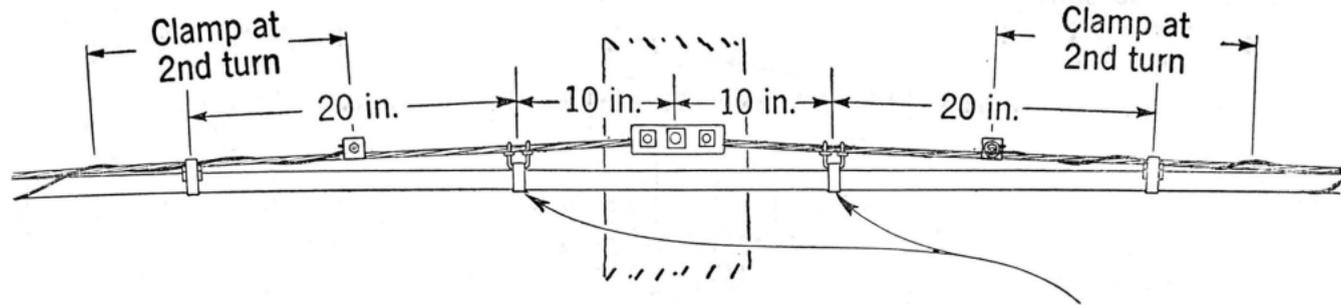
2.01 At straight line poles and poles at corners of less than 15 feet pull either against or away from the pole, arrange the supports as shown.

(a) Separation less than 1 inch.



Use lashed cable supports and cable spacers of proper size to obtain separation between cable and suspension clamp of not less than $\frac{1}{2}$ inch and have cable in long smooth curve.

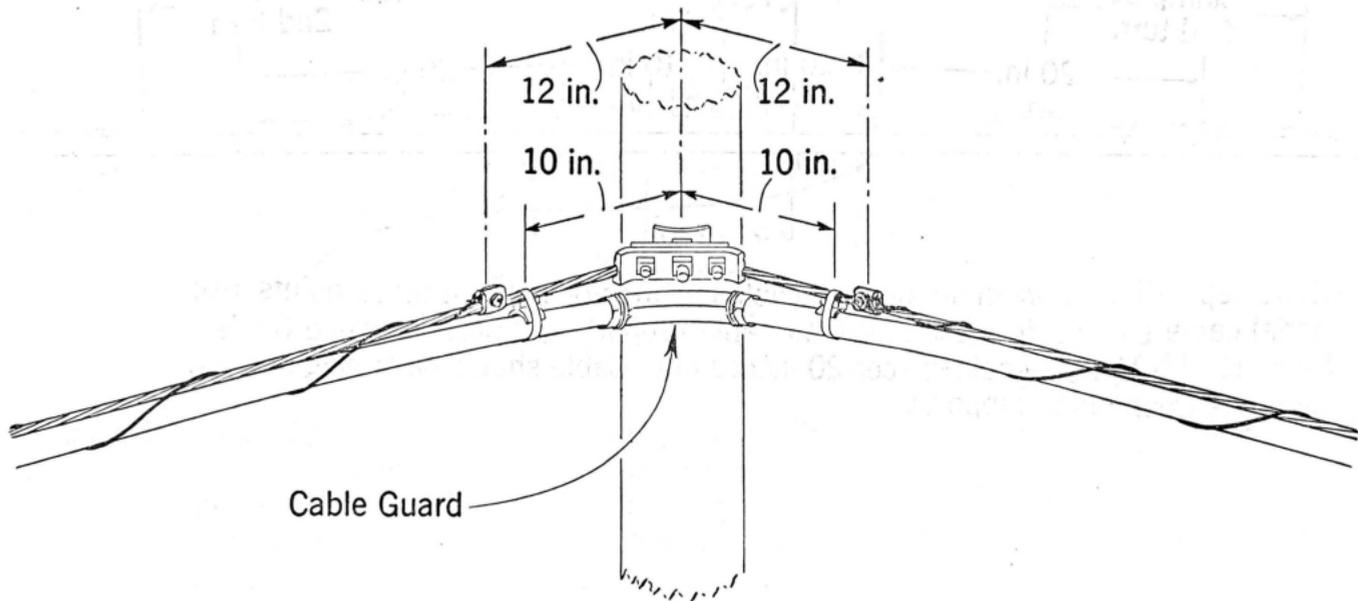
(b) Separation 1 inch or more.



Where separation between strand and cable is 1 inch or more at these points, use aerial cable support in place of lashed cable support and place a lashed Cable Support with $\frac{1}{4}$ inch cable spacer 20 inches out. Cable should have long smooth curve between outer supports.

3. CORNER POLES OF 15 TO 50 FT. PULL

3.01 At corners of 15 to 50 feet pull either against or away from the pole, arrange the supports as shown.

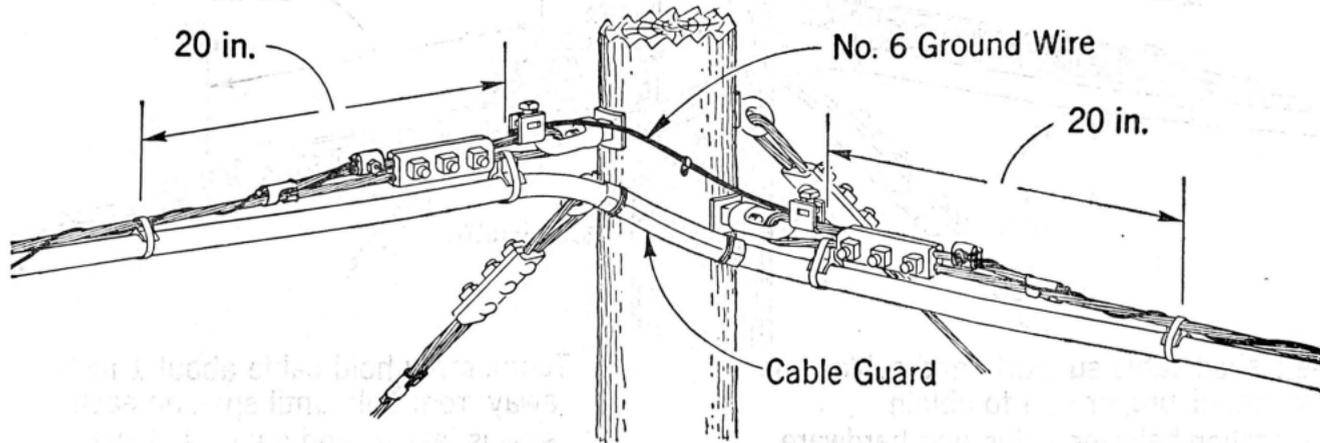


Use lashed cable supports and cable spacers of proper size to obtain separation between cable and suspension clamp of not less than $\frac{1}{2}$ inch and have cable in long smooth curve

4. CORNER POLES OF GREATER THAN 50 FT. PULL

4.01 At corners of greater than 50 feet pull away from the pole, arrange the supports as shown.

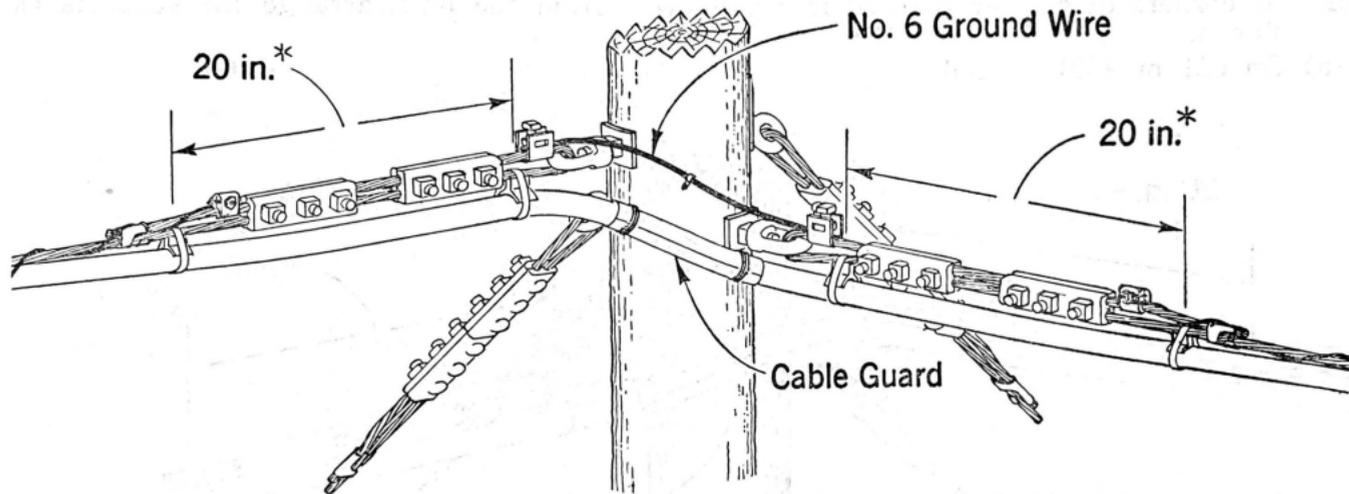
(a) On 6M or 10M Strand.



Use lashed cable supports and cable spacers of proper size to obtain separation between cable and hardware of not less than $\frac{1}{2}$ inch and have cable in long smooth curve

Temporarily hold cable about 1 inch away from pole until span on each side is lashed and supports have been placed.

(b) On 16M or 25M Strand.



Use lashed cable supports and cable spacers of proper size to obtain separation between cable and hardware of not less than $\frac{1}{2}$ inch and have cable in long smooth curve

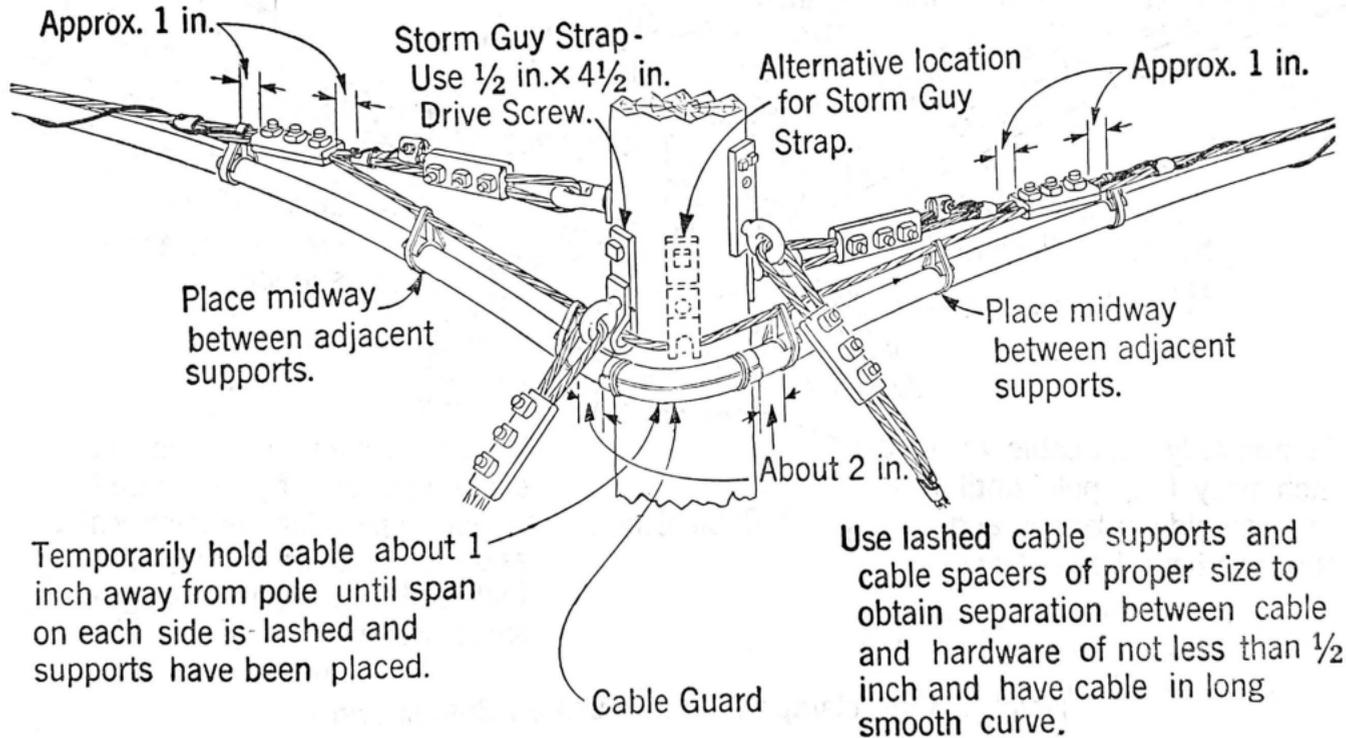
Where separation between strand and cable is 1 inch or more use aerial cable support in place of lashed cable support.

Temporarily hold cable about 1 inch away from pole until span on each side is lashed and supports have been placed.

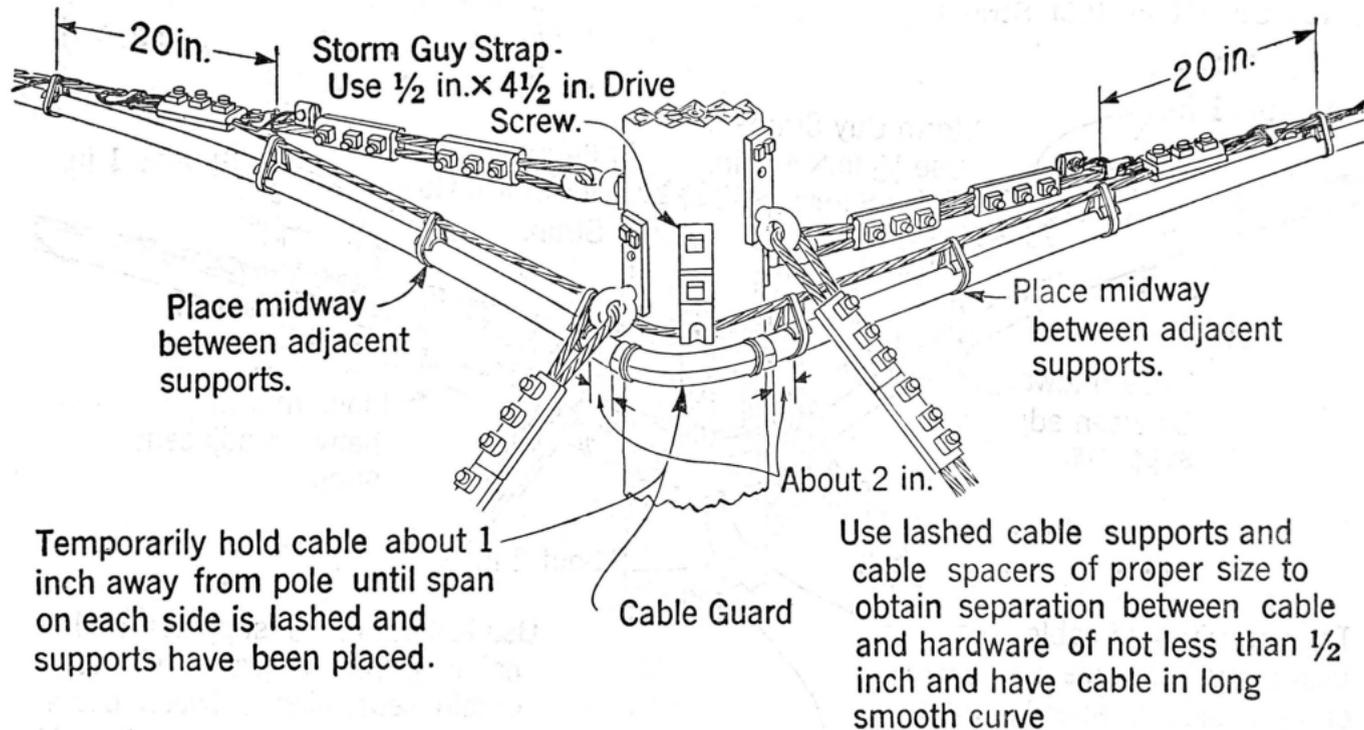
* Note: With 25M strand this dimension should be increased sufficiently to accommodate third clamp.

4.02 Where it is impossible to make an inside corner and the pull against the pole is greater than 50 feet, make the following arrangements.

(a) On 6M or 10M Strand.



(b) On 16M or 25M Strand.

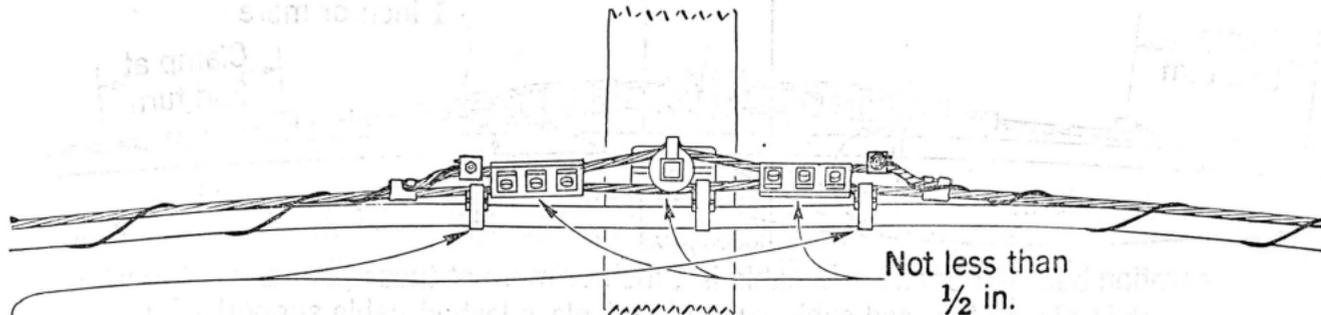


Note: A third clamp would be used on 25M strand.

5. POLE STRAND CONNECTORS

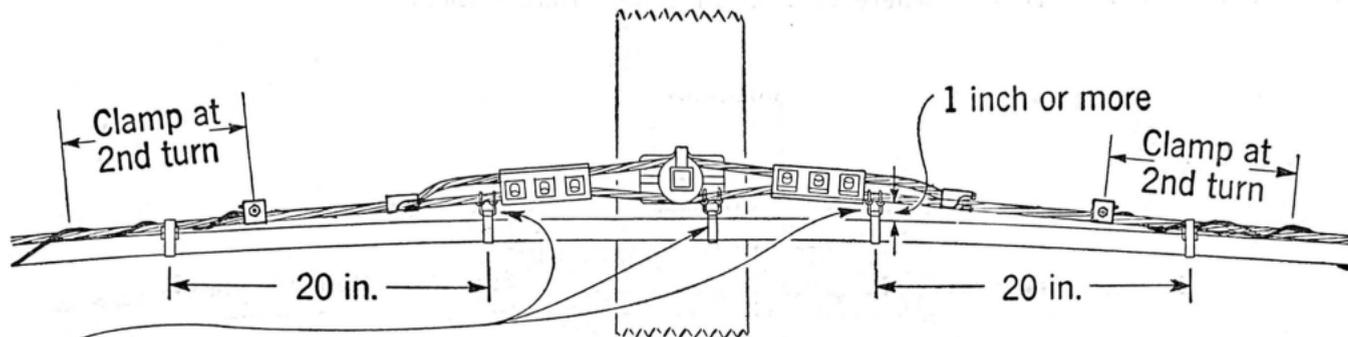
5.01 At pole strand connectors arrange the supports as shown.

(a) On 6M or 10M Strand where separation is less than 1 inch.



Use lashed cable supports and cable spacers of proper size to obtain separation between cable and hardware of not less than $\frac{1}{2}$ inch and have cable in long smooth curve.

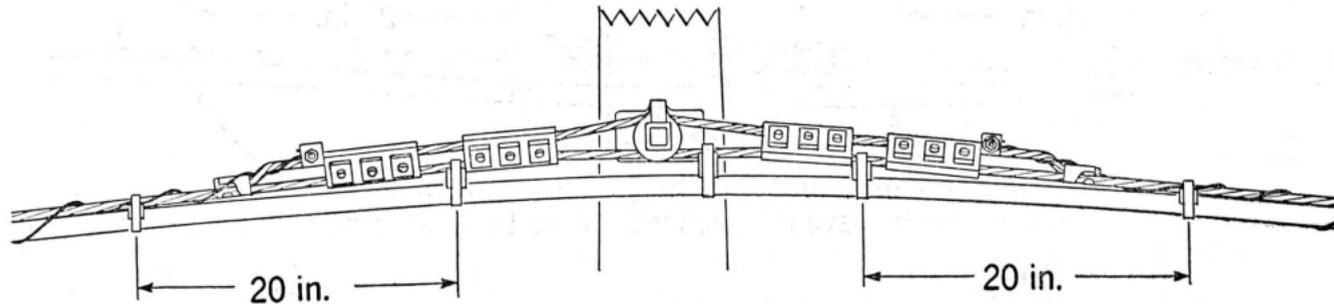
(b) On 6M or 10M Strand where separation is 1 inch or more.



Where separation between strand and cable is 1 inch or more at these points, use aerial cable support in place of lashed cable support and place lashed cable support with $\frac{1}{4}$ inch cable spacer 20 inches out. Cable should have long smooth curve between outer supports.

(c) On 16M or 25M Strand.

Note:
On 25M Strand a third clamp
will be used on each side



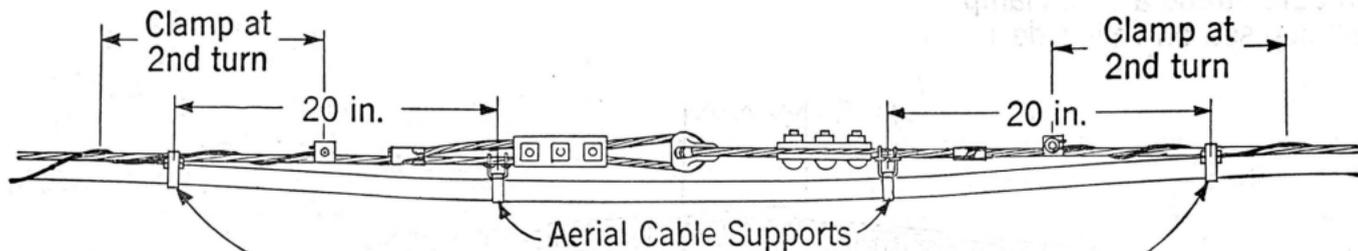
Use lashed cable supports and cable spacers of proper size to obtain separation between cable and hardware of not less than $\frac{1}{2}$ inch and have cable in long smooth curve.

Where separation between strand and cable is 1 inch or more, use aerial cable support in place of lashed cable support.

6. STRAND CONNECTORS

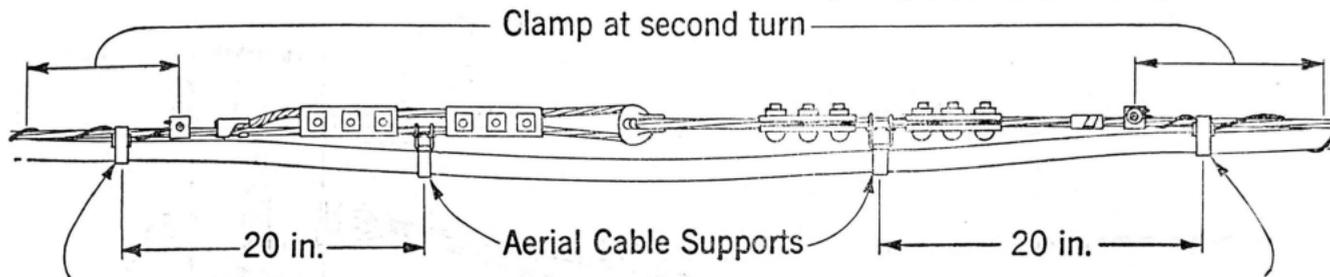
6.01 At strand connectors arrange the supports as shown.

(a) On 6M or 10M Strand.



Use lashed cable supports and $\frac{1}{4}$ inch cable spacers.
Cable should have long smooth curve between outer supports.

(b) On 16M or 25M Strand.



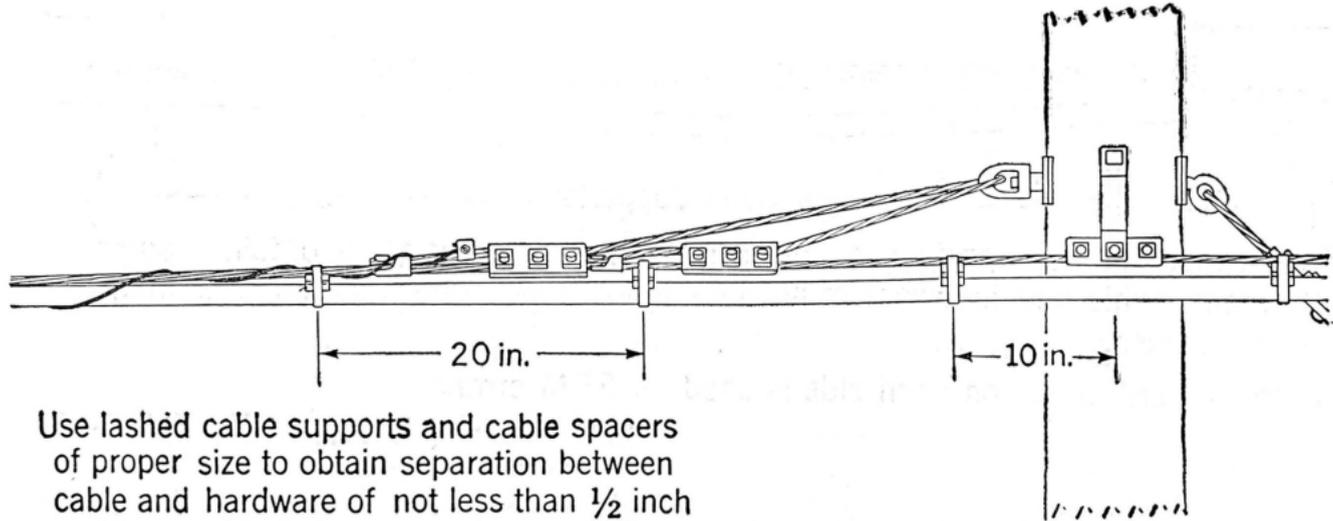
Use lashed cable supports and cable spacers of proper size to obtain separation between cable and hardware of not less than $\frac{1}{2}$ inch and have cable in long smooth curve.

Note: A third clamp on each side is used on 25M strand.

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7. FALSE DEAD ENDS

7.01 At false dead ends without a pole strand connector, arrange the supports as shown.
(a) On 6M, 10M and 16M Strand.



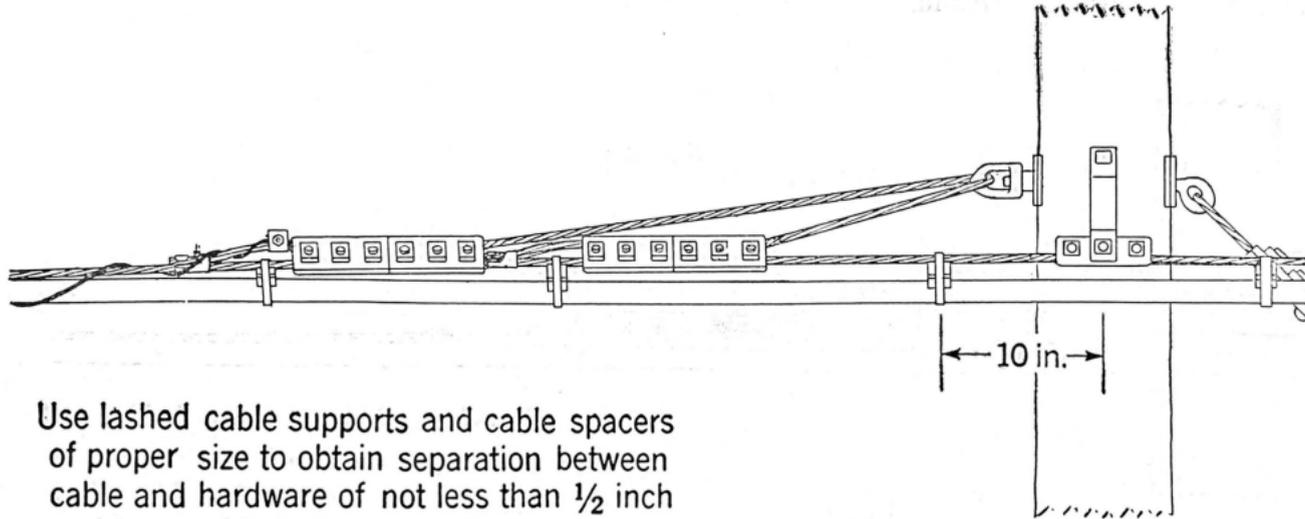
Use lashed cable supports and cable spacers of proper size to obtain separation between cable and hardware of not less than $\frac{1}{2}$ inch and have cable in long smooth curve.

Where separation between strand and cable is 1 inch or more, use aerial cable supports in place of lashed cable supports.

Note:

The opposite side of the pole is treated as a straight line pole

(b) On 25M Strand.



Use lashed cable supports and cable spacers of proper size to obtain separation between cable and hardware of not less than $\frac{1}{2}$ inch and have cable in long smooth curve.

Where separation between strand and cable is 1 inch or more, use aerial cable supports in place of lashed cable supports.

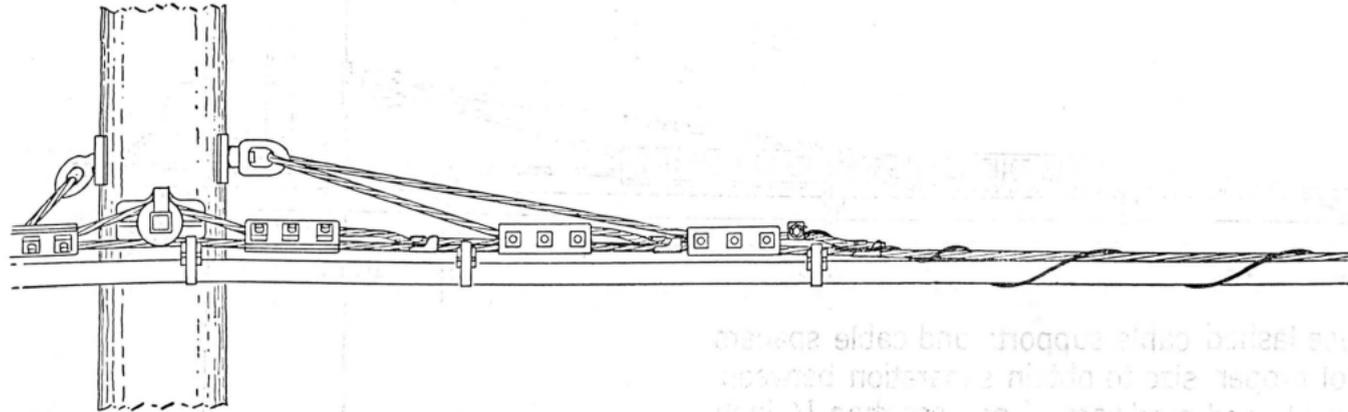
Note:

The opposite side of the pole is treated as a straight line pole

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7.02 At false dead ends where a pole strand connector is used, arrange the supports as shown.

(a) On 6M and 10M Strand.

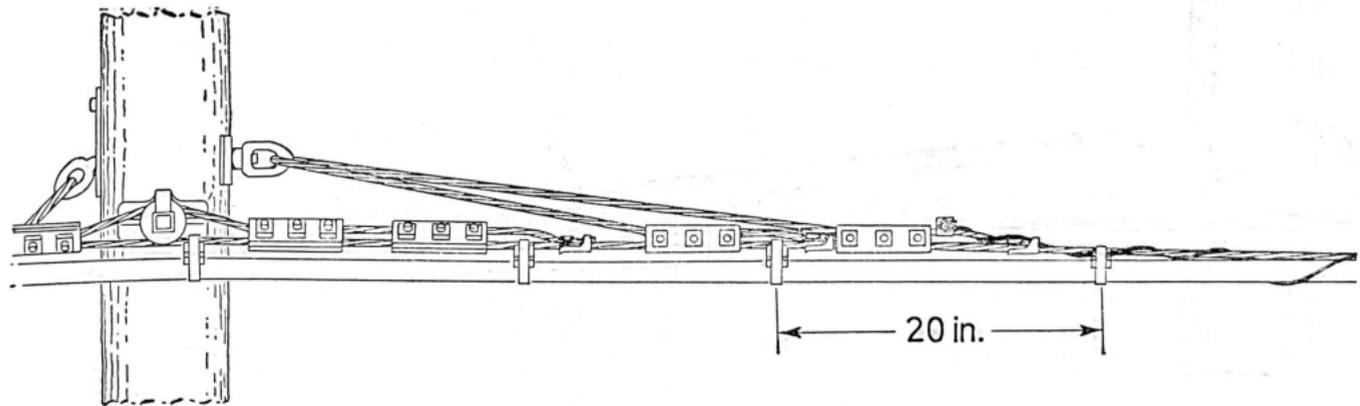


Note: The opposite side of the pole is treated as nearly as possible as a straight line pole.

Use lashed cable supports and cable spacers of proper size to obtain separation between cable and hardware of not less than $\frac{1}{2}$ inch and have cable in long smooth curve.

Where separation between strand and cable is 1 inch or more, use aerial cable supports in place of lashed cable supports.

(b) On 16M Strand.



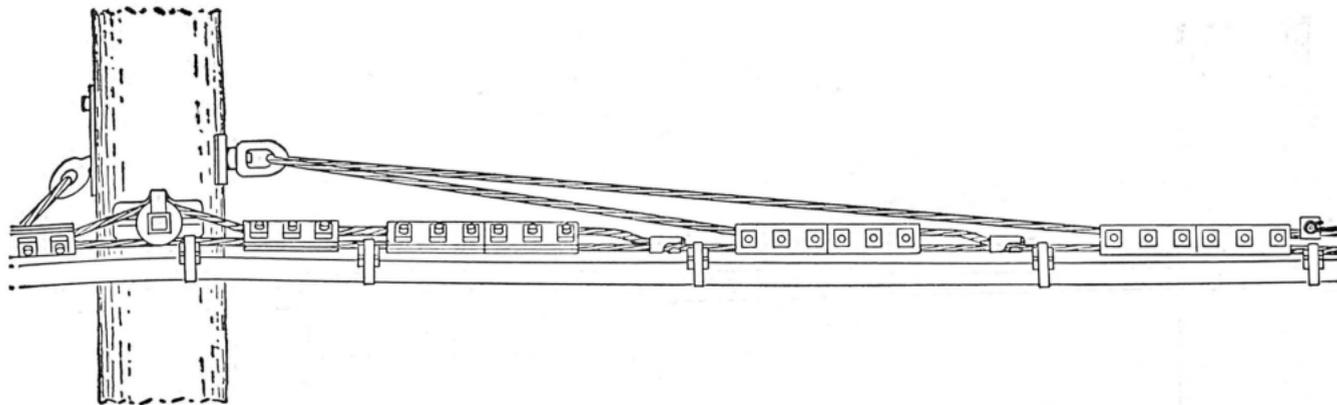
Note: The opposite side of the pole is treated as nearly as possible as a straight line pole.

Use lashed cable supports and cable spacers of proper size to obtain separation between cable and hardware of not less than $\frac{1}{2}$ inch and have cable in long smooth curve.

Where separation between strand and cable is 1 inch or more, use aerial cable supports in place of lashed cable supports.

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(c) On 25M Strand.



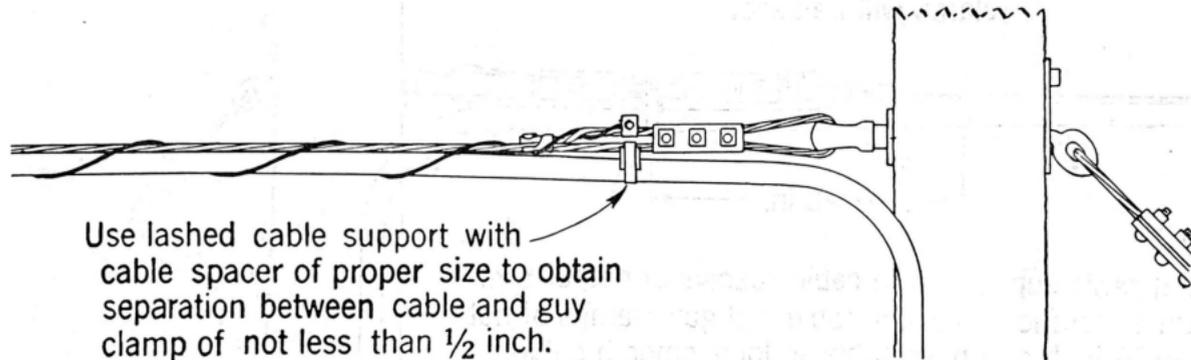
Note: The opposite side of the pole is treated as nearly as possible as a straight line pole.

Use lashed cable supports and cable spacers of proper size to obtain separation between cable and hardware of not less than $\frac{1}{2}$ inch and have cable in long smooth curve. Where separation between strand and cable is 1 inch or more, use aerial cable supports in place of lashed cable supports.

8. CABLE END POLES OR UNDERGROUND DIPS

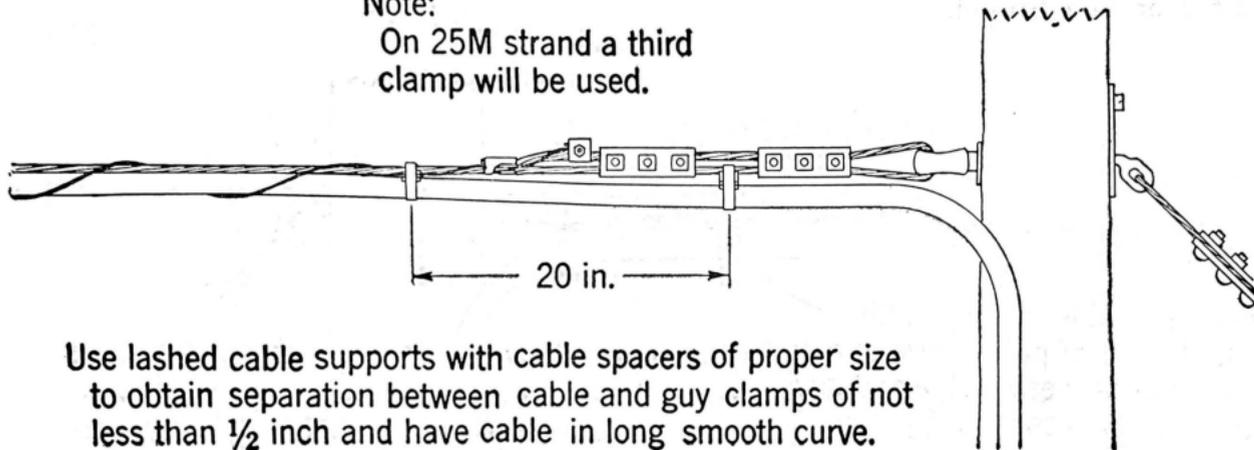
8.01 At cable end poles or at underground dips arrange the supports as shown.

(a) On 6M or 10M Strand.



(b) On 16M or 25M Strand.

Note:
On 25M strand a third
clamp will be used.



Use lashed cable supports with cable spacers of proper size to obtain separation between cable and guy clamps of not less than $\frac{1}{2}$ inch and have cable in long smooth curve.