BELL SYSTEM PRACTICES
Outside Plant Construction and Maintenance

SECTION G52.175.3
Issue 1, November, 1946
AT&T Co Standard

B DISTRIBUTION CABLE
RING CONSTRUCTION

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1. GENERAL

1.01 This section covers the general methods involved in placing B Distribution Cable in cable rings and includes the arrangement of supports and rings.

2. PLACING CABLE

2.01 Use 1-1/2 inch cable rings for supporting B Distribution Cable. Space rings and place pulling-in line as shown in Section G51.130.

2.02 At heavy corners place a One Sheave Cable Block on each side of the pole. Where pull is against pole, place a rope mat.

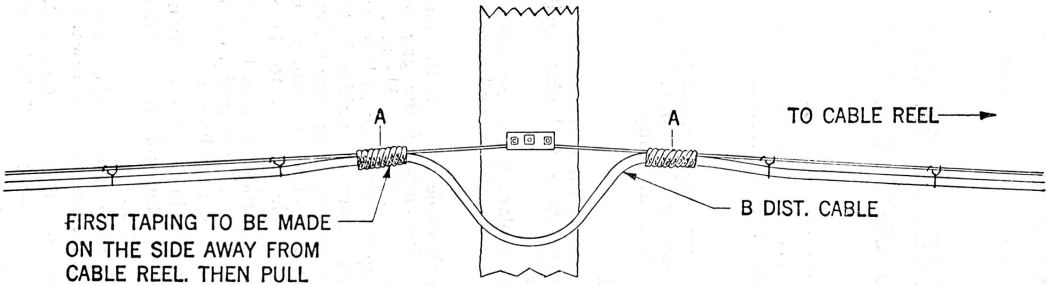
2.03 Place a 3/4 inch cable grip on the end of the cable and tape the wire ends of the grip securely to the neoprene jacket of the cable. For the 11- and 16-pair B Distribution Cables, build up the diameter with friction tape before attaching the cable grip. Attach the pulling-in line to the cable grip. No lubrication is required during the pulling-in operation. After the cable has been pulled in, remove cable grip and pulling-in line, and tape cable securely to the strand.

2.04 At proposed distribution terminal splice locations, 9 inches of slack cable is required to permit the splice to be made. This is obtained as follows:

(1) Starting at the terminal splice location farthest from the cable reel, tape the cable to the strand on the side **away** from the cable reel.

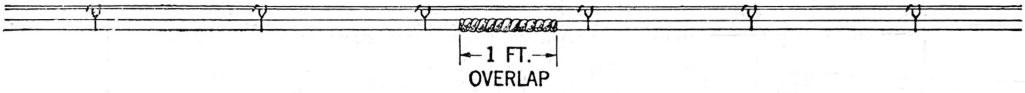
(2) Pull 9 inches of cable through the rings; then tape the cable to the strand on the side **toward** the cable reel.

(3) Continuing toward the cable reel end, repeat above taping and slack-pulling operations at all proposed terminal splice locations.



AT POINTS "A" WRAP ONE LAYER OF FRICTION TAPE ON THE CABLE AND THEN TAPE CABLE TO STRAND.

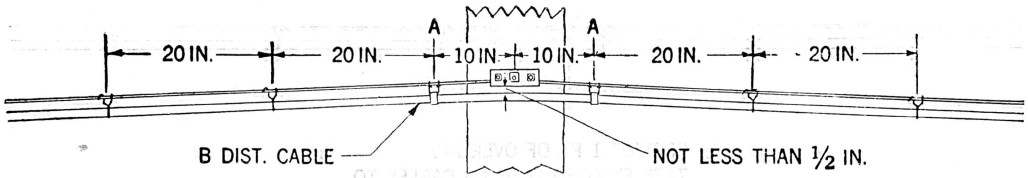
2.05 At cable ends, provide an overlap of 1 foot. Tape cable ends as shown.



PROVIDE 1 FT. OF OVERLAP.
TAPE EXPOSED ENDS OF CABLES TO
PREVENT ENTRANCE OF MOISTURE,
THEN TAPE OVERLAPPED SECTION.

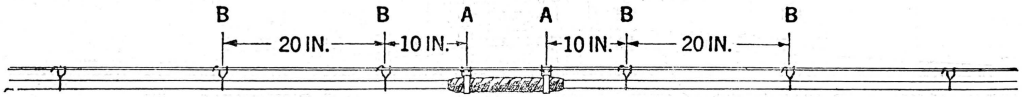
3. SUPPORTING ARRANGEMENTS

3.01 At poles where no splice is to be made, arrange supports and rings as shown.



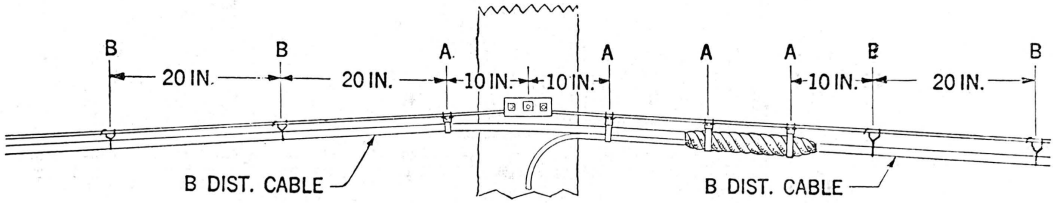
AT POINTS "A" USE AERIAL CABLE SUPPORTS. OBTAIN A SEPARATION OF AT LEAST 1/2 IN. BETWEEN THE CABLE AND THE SUSPENSION CLAMP.

3.02 At splices in the span, arrange supports and rings as shown.



AT POINTS "A" USE AERIAL CABLE SUPPORTS.
AT POINTS "B" PLACE CABLE RINGS AS SHOWN.

3.03 At distribution terminals, arrange supports and rings as shown.



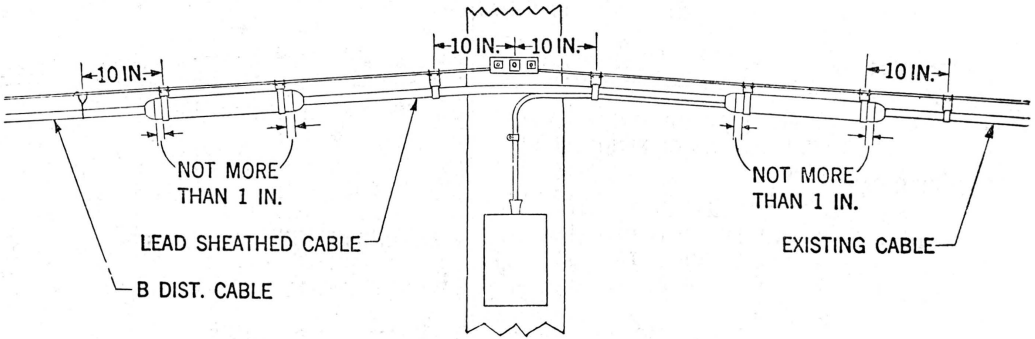
AT POINTS "A" USE AERIAL CABLE SUPPORTS. OBTAIN A SEPARATION OF AT LEAST ½ IN. BETWEEN THE CABLE AND THE SUSPENSION CLAMP.

AT POINTS "B" PLACE CABLE RINGS AS SHOWN.

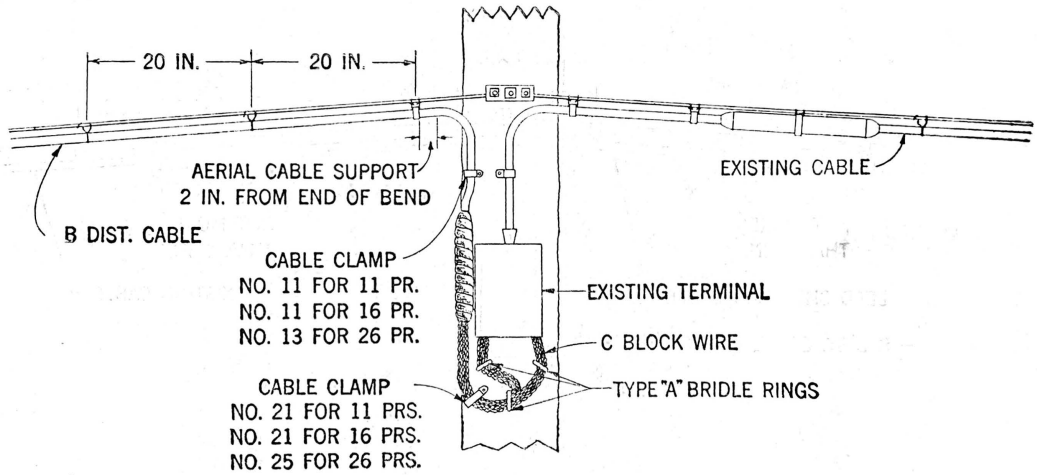
Note: If protection is required, locate 83A Protector Mountings as shown in Section G32.130.

3.04 At junctions between B Distribution Cable and existing plant, the following arrangements may be employed.

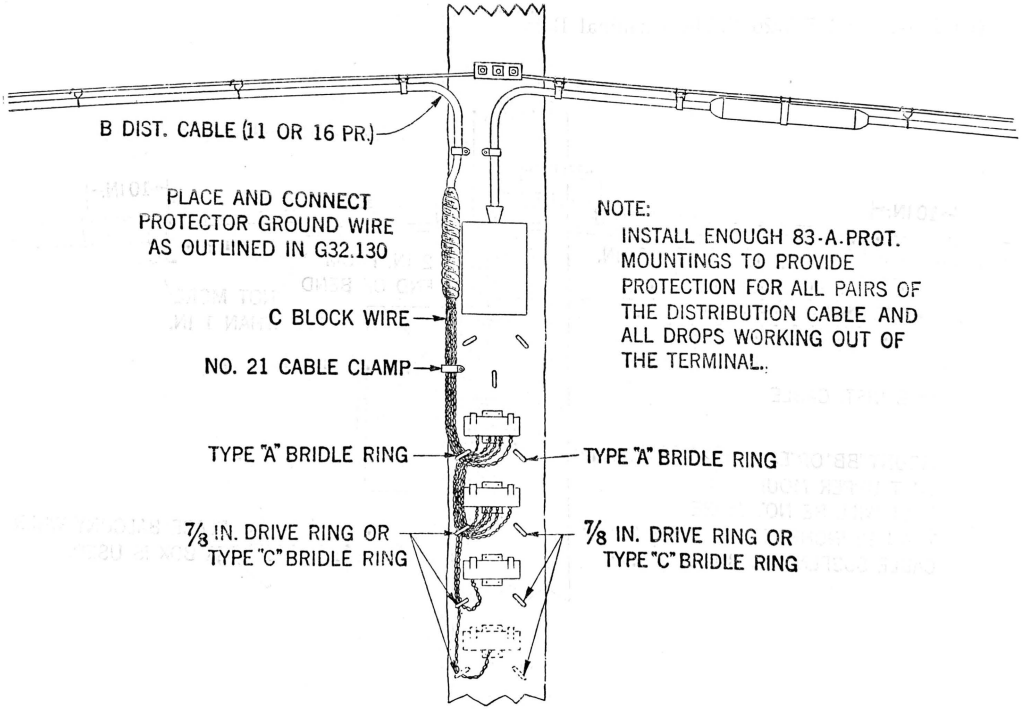
(a) Direct Splice.



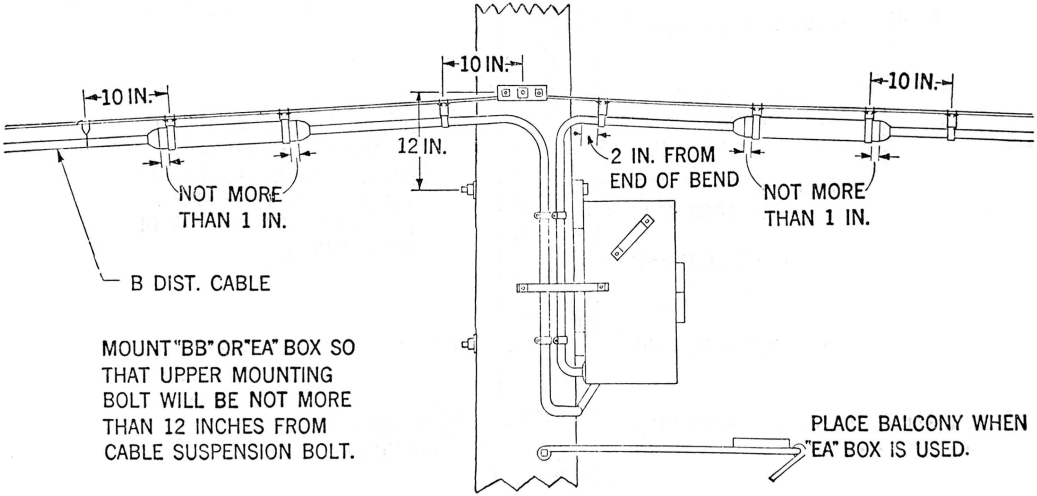
(b) C Block Wire at existing terminal. No protection required.



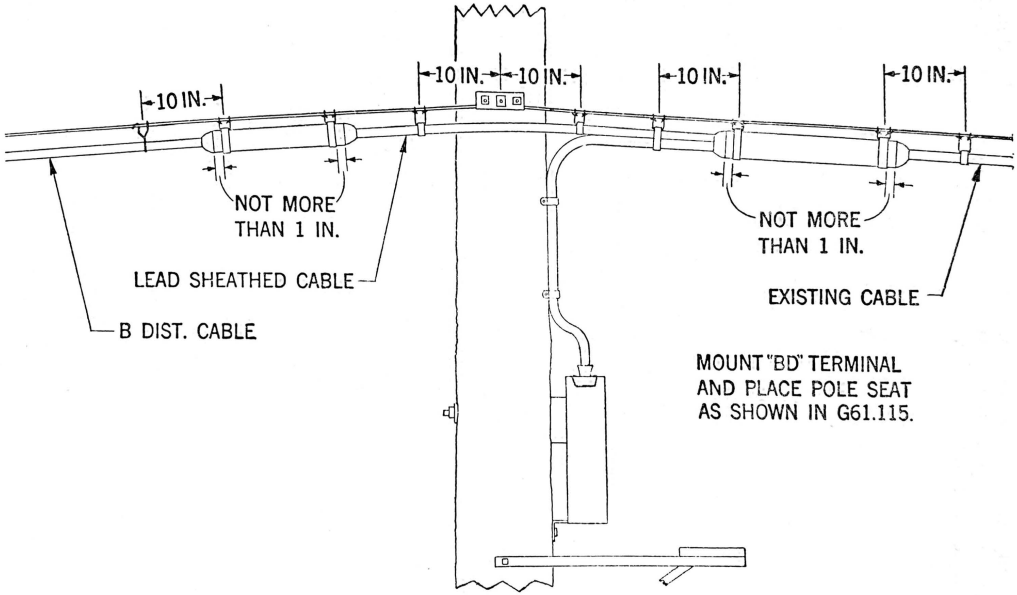
(c) C Block Wire at existing terminal. Protection required.



(d) BB-26 and EA-26 Cable Terminal Box.



(e) BD-102 Cable Terminal.



(f) Where a special F-type terminal is used for terminating the B Distribution Cable, it should be located at the same level as the existing terminal and one-fourth the distance around the pole.