

**BELL SYSTEM PRACTICES**  
**Outside Plant Construction**  
**and Maintenance**

**SECTION G52.609.1**  
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## **CABLE SPLICING—AERIAL**

### **PREPARATION AND ARRANGEMENT**

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#### **1. GENERAL**

1.01 This section covers the preparation and cable arrangement of splices in aerial cables at locations other than terminals and load points.

#### **2. PREPARATION**

2.01 Set up the cable for splicing, making any necessary bends as gradual as possible. Do not kink the cable.

2.02 Do not place cable straps, clamps or cable supports at the center of a bend. Attach them to the straight portion of the cable at each side of the bend. If there is a bend in the cable between the strand and the pole place the cable clamp or strap on the pole from 10 to 18 inches below the strand, depending on the size of the cable. Place a support on the strand at the other end of the bend.

2.03 If the cable is ring supported remove any cable rings which would interfere with the splicing. If the cable is lashed, the permanent lashing will generally be so arranged at the splice location that there will be no interference with splicing.

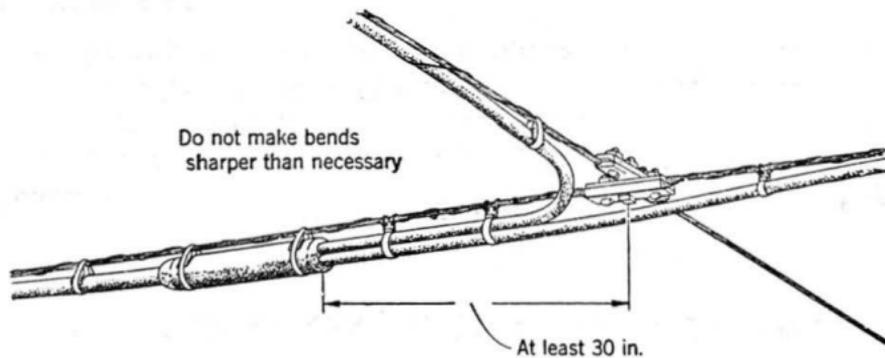
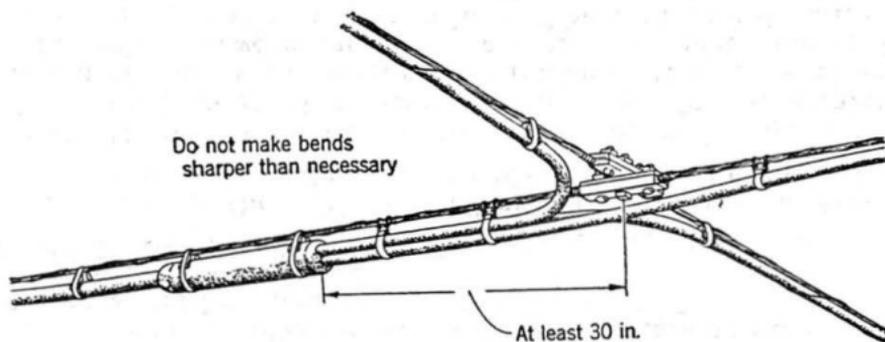
2.04 As a general rule, when splicing a branch cable at a pole, set up the cables so that the branch will enter the lead sleeve above the main aerial cable. However, if the two cables are of approximately the same size, or if a more desirable arrangement can be obtained by having the branch cable enter

the lead sleeve below the main aerial cable, they can be so arranged.

### 3. LOCATION OF SPLICE OPENING

3.01 When making a straight splice at a pole the opening should be 24 inches from the through bolt. On 25M strand this distance should be increased to 30 inches.

3.02 If a splice between a main and a branch cable is made at the intersection of two suspension strands, arrange the cables as shown below.



### 4. ARRANGEMENT OF COMPLETED SPLICE

4.01 After the splice is completed the necessary supports shall be placed in accordance with the practice covering the placing of aerial cable.