

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

**SECTION G50.688.3**  
**Issue 2, June, 1954**  
**AT&T Co Standard**

## **CABLE SPLICING—GENERAL**

### **TIES AT Y SPLICES**

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#### **1. GENERAL**

1.01 This section replaces Issue 1. It describes the methods of supporting branch cables at Y splices. It is reissued to include the use of lead wedges and lashed cable supports as an alternative method.

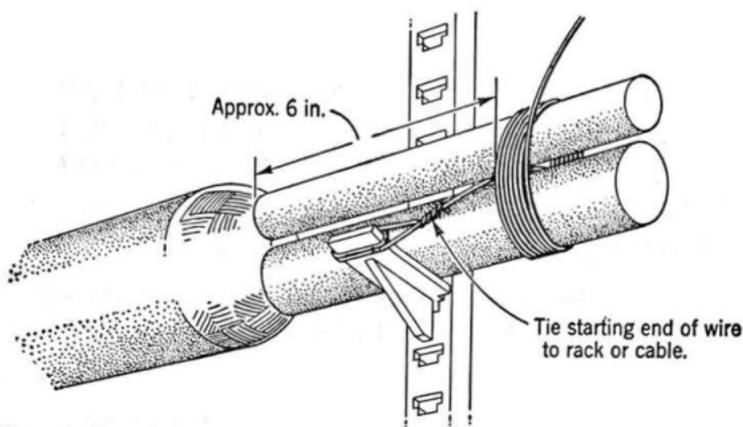
1.02 The sketches in this section illustrate ties in underground plant. These methods may also be used in house or block cable plant.

#### **2. WIRE TIES**

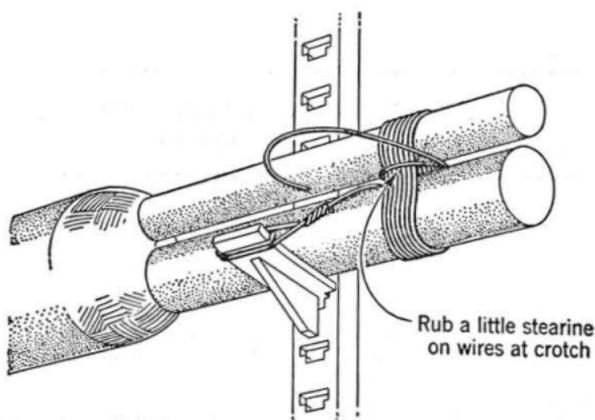
2.01 Cut off a length of lead lashing wire sufficient to make the required number of turns indicated.

<u>Approx. Diam. of Smaller Cable</u>	<u>Number of Turns</u>
Less than 1 in.	5
1 in. to 1-3/4 in.	8
1-3/4 in. to 2-5/8 in.	10

2.02 The wire should be handled carefully to avoid kinking. Anchor one end to a nearby cable or cable hook. Then make the required number of turns around the cables keeping the turns close together.

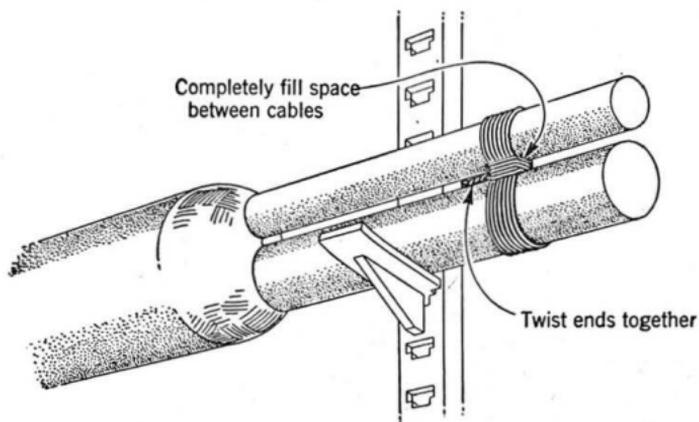


2.03 Feed the end of the wire between the cables as shown and hold in position. Before making the horizontal turns rub a little stearine on the outer surface of the turns at the crotch in both front and back of the cables, to serve as a lubricant.



2.04 Serve the wire between the cables, as indicated above, tightening each turn as it is placed, to hold the two cables together firmly. Serve a sufficient number of turns to completely fill the space between the two cables and give ample support to the top cable.

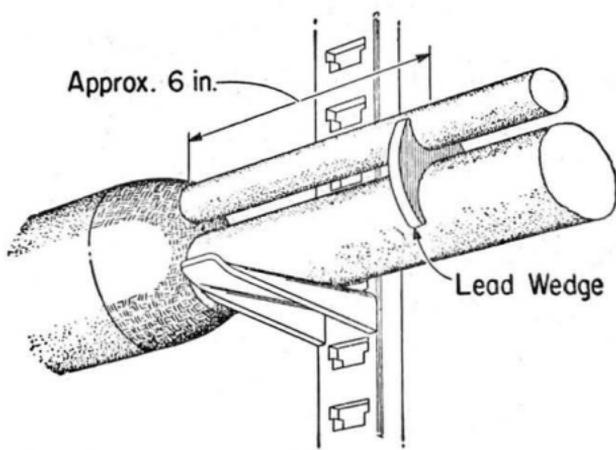
- 2.05 Twist the two ends of the wire together tightly and cut off the excess. A completed lashing is illustrated.



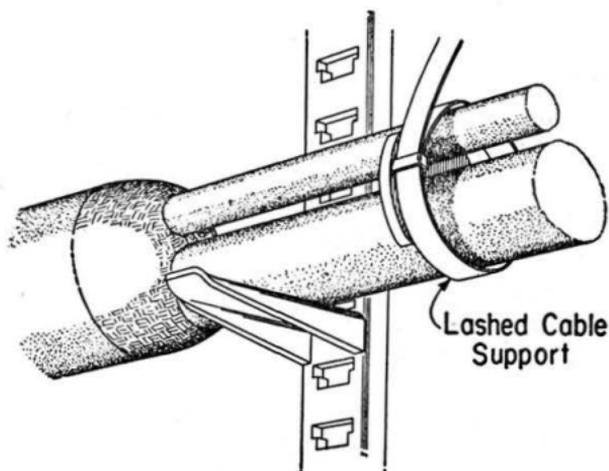
### 3. LEAD WEDGE AND LASHED CABLE SUPPORTS ↗

3.01 Select a lashed cable support long enough to go at least twice around the cables and a lead wedge of the same size as that used at the Y joint.

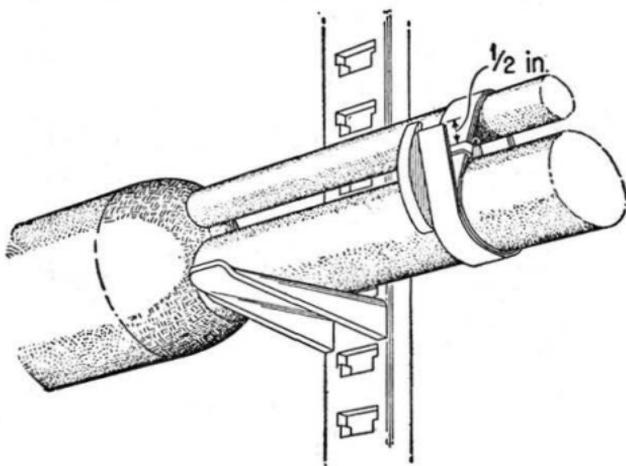
3.02 Position the lead wedge about six inches from the wiped joint.



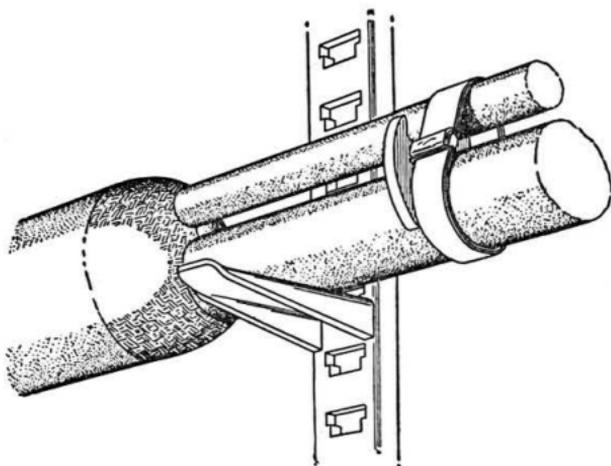
- 3.03 Wrap the lashed cable support loosely around the cables and thread through buckle.



- 3.04 Make a second loose wrap around the cables, then pull the support tight. Before passing second wrap through buckle cut off excess about 1/2 inch beyond buckle.



- 3.05 Fold cut end of strap, then pass folded end through buckle completing second wrap. Bend folded end back over buckle as shown.



#### 4. SPACING

- 4.01 If the branch cables are parallel for more than about 18 inches additional ties should be provided.