

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

**SECTION G55.620.1**  
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**AT&T Co Standard**

# **CABLE SPLICING—UNDERGROUND**

## **ARRANGEMENT OF SPLICES IN**

### **CENTRAL OFFICES**

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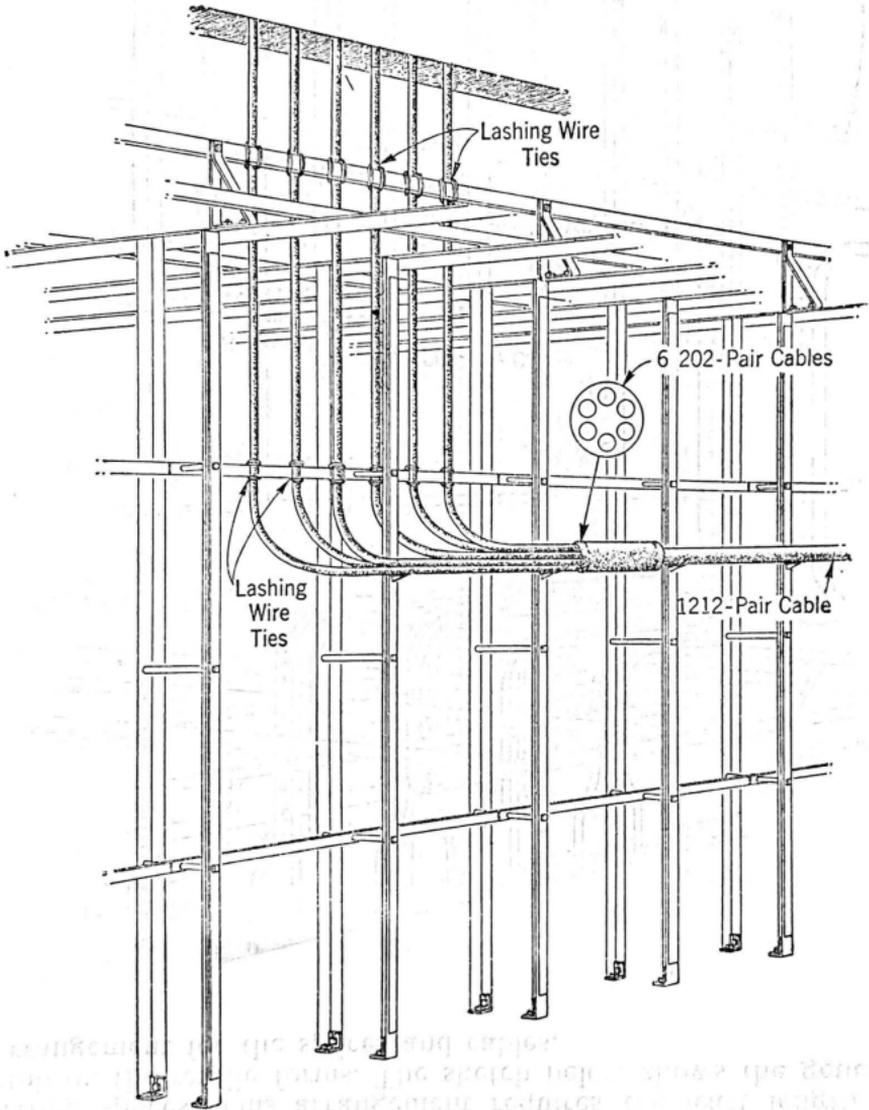
#### **1. GENERAL**

1.01 This section covers various typical arrangements of cables and splices where paper-insulated cables are spliced to textile-insulated cables in cable vaults and splicing pits, using multiple splice discs.



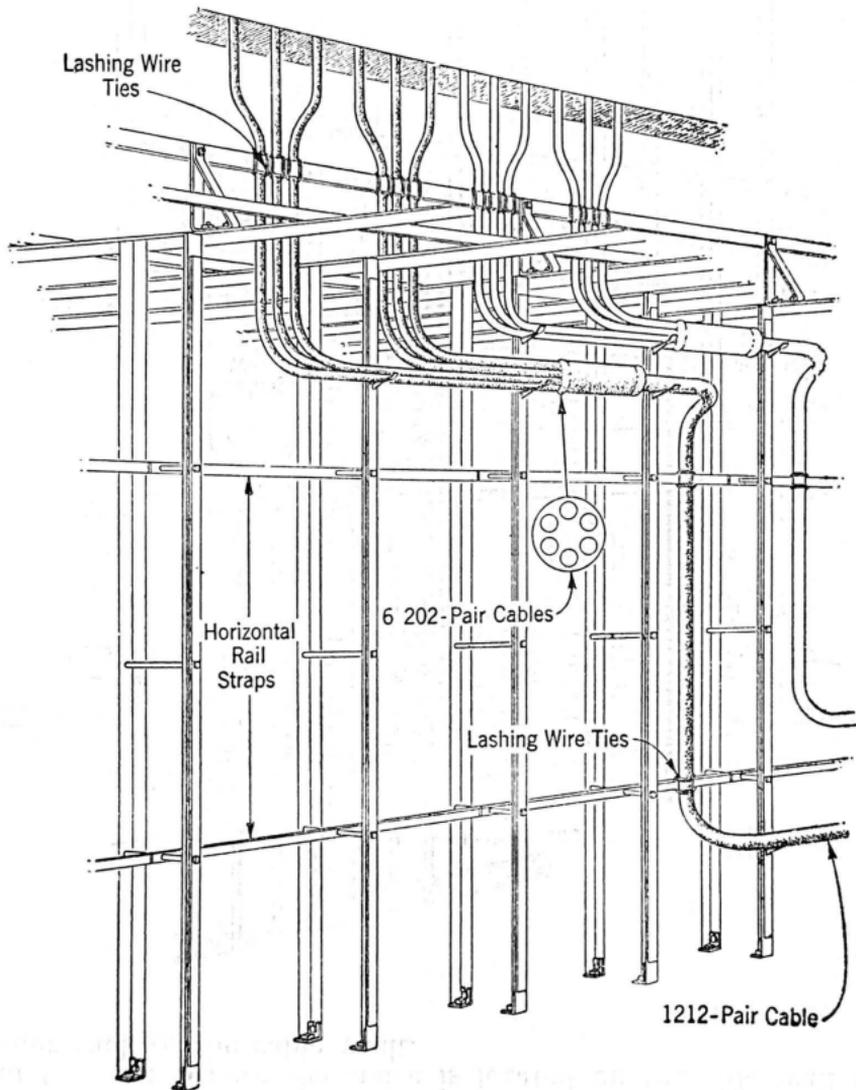
### 3. SPLICE ON SIDE WALL OR CENTER RACK

3.01 The illustration below shows the general arrangement of the paper-insulated cable, the textile-insulated cables and the discs where the splice is located on the side wall or center rack of the cable vault.



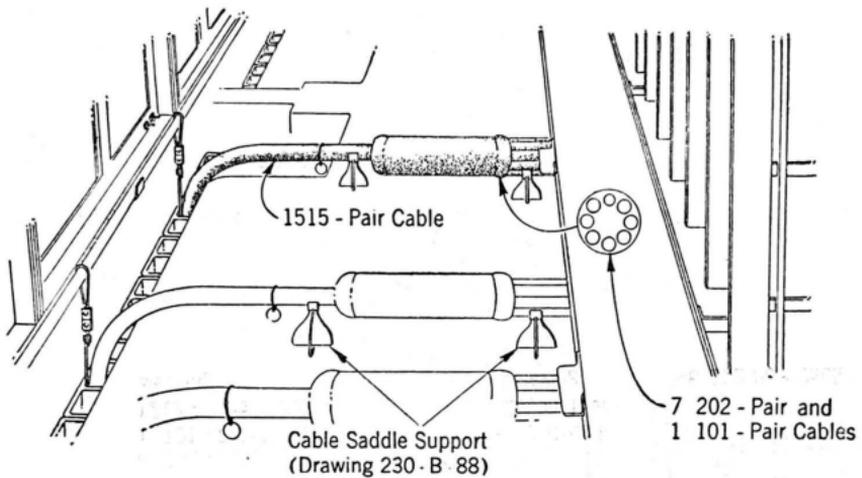
#### 4. SPLICE OVERHEAD ON SIDE WALL

4.01 In some cable vaults two or three positions are reserved at the top of the side wall or center rack for the terminating splices. This arrangement requires the least length of stub on the textile forms. The sketch below shows the general arrangement for the splices and cables.



## 5. SPLICE IN PIT

5.01 Where the main frame is not located on the floor immediately above the cable vault, the splice is usually made in a splice pit located back of the frame. The arrangement of the cables in a typical splice pit is illustrated below.

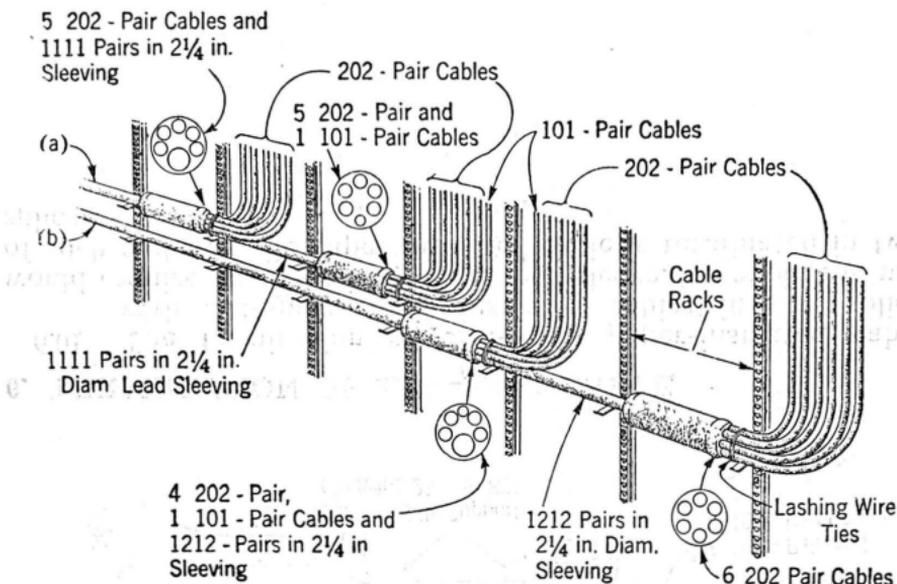


## 6. TERMINATION OF 2121—PAIR CABLE

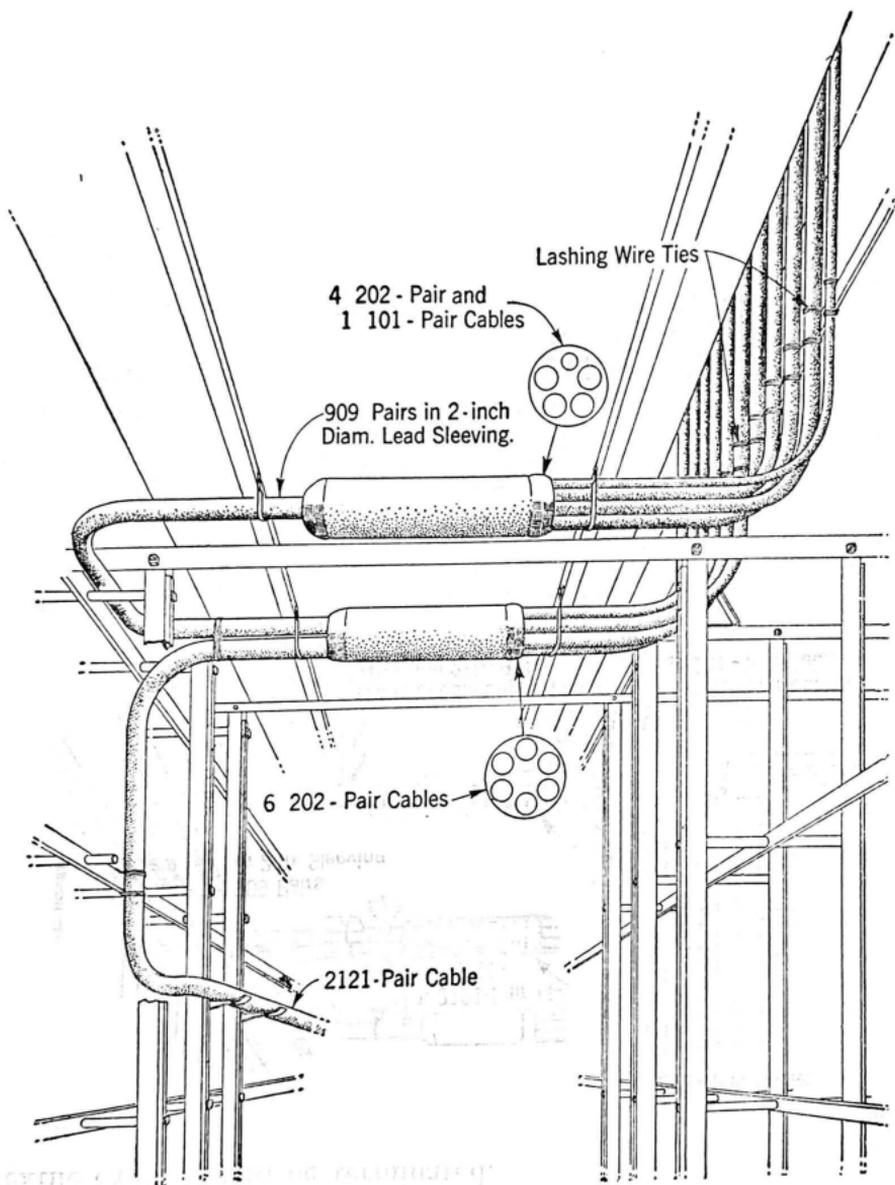
6.01 The termination of 2121—pair paper-insulated cable with 202—pair textile-insulated cables in one splice would require an excessively large lead sleeve. To avoid the use of such a sleeve, the paper-insulated cable is terminated in two splices.

6.02 Where the splices are located on a side wall or center rack, the cable can be terminated as indicated in the following sketch. Two arrangements are shown:

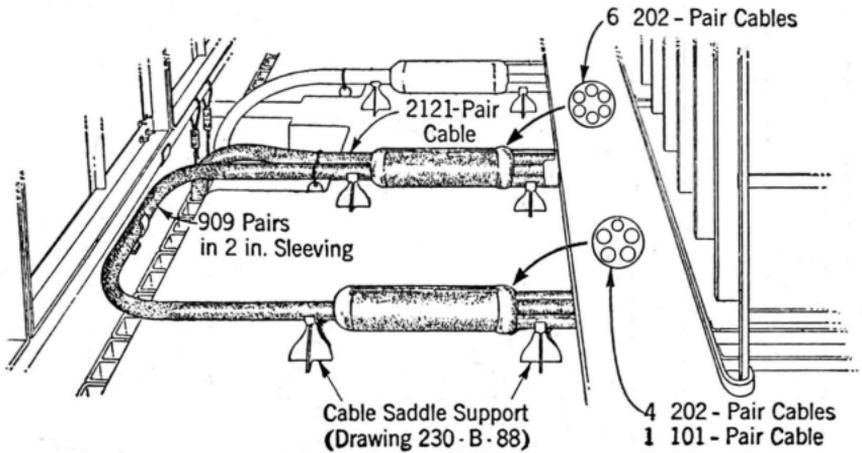
- (a) Where the 101—pair textile cable is at the end of the pair count.
- (b) Where the 101—pair textile cable is at the beginning of the pair count.



6.03 For a splice located in an overhead splicing position in the aisle, the cables should be arranged as shown below. The positions of the two splices may be reversed, depending on where the 101-pair textile cable has to be terminated.



6.04 The arrangement of two splices in a splice pit is illustrated in the following sketch. The position of the two splices may be reversed, depending on where the 101-pair textile cable has to be terminated.



7 101 - Pair Cable  
4 202 - Pair Cables

7 101 - Pair Cable  
4 202 - Pair Cables