

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G56.651.5
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AT&T Co Standard

B BURIED CABLE TERMINAL SPLICING

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1. GENERAL

1.01 This section covers the splicing of PIC cables in B Buried Cable Terminals. Splices in KS-16551 Terminals shall be made in a similar manner.

1.02 These terminals have the capacity to permit the splicing of two cable ends having an outside diameter of 1.5 inches or less. Additional cables can be accommodated if the total outside diameters of the cables do not exceed three inches. If the diameters exceed three inches a buried splice will be required.

1.03 When splices are required at terminating points the terminal block should be wired by means of a pair of conductors bridged from the block to the cable pair.

1.04 The instructions covering the core preparation and precautions to be observed when joining and clearing PIC cable conductors are included in Section G50.699.1.

2. CONDUCTOR JOINTS

2.01 Generally conventional twisted joints will be used to splice conductors in these terminals. Other available methods may be used depending on the circuits involved and the tools available. Any type joint used except for punched sleeves should be insulated with B Filled Sleeves. Circuits requiring soldered or equivalent joints are listed in Section G50.636.1.

3. STRAIGHT SPLICING

3.01 At least 25 inches of cable ends should be provided at each splice location. After the sheath is opened and secured and the core is prepared proceed as outlined below:

(a) Make all conductor joints at the bottom of the splice row and bend the completed joints upward. Insulate the joints with B filled sleeves of appropriate size. On completion of each splice row tie the sleeve bundle securely to the main cable using 5/16" cotton sleeving.

(b) At junctions between cables of different sizes store the cleared ends with the filled sleeves in an upright position and secure the bundle firmly to the main cable with cotton sleeving.

1	General instructions
2	Preparation of cable ends
3	Splicing procedure
4	Insulation of joints
5	Final inspection

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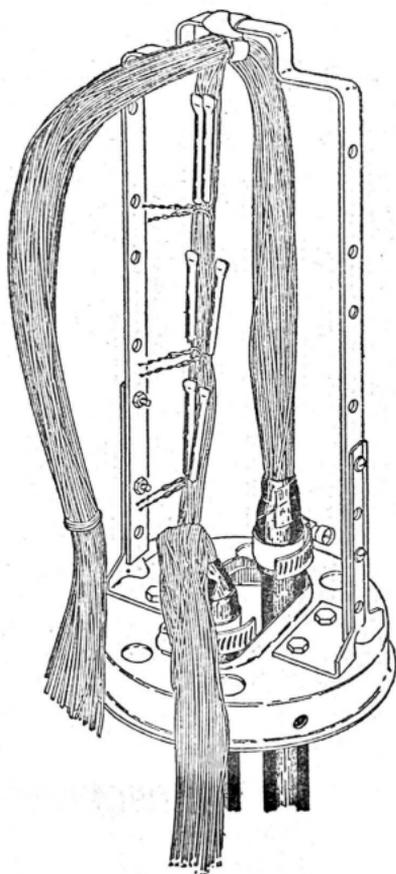
SPLICING

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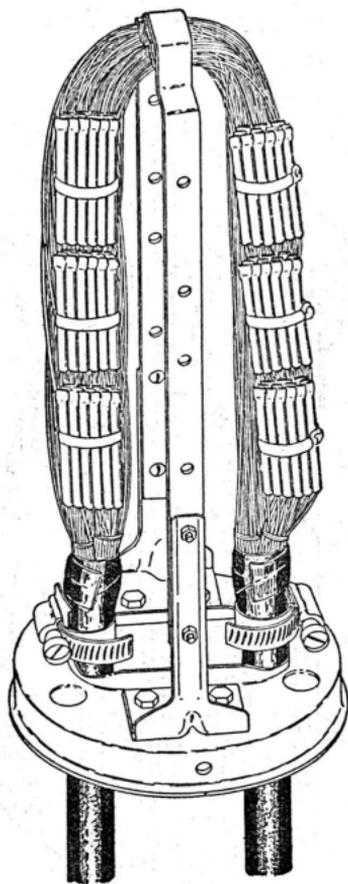


3.02 Cables of 101 Pair or Less—Select one of the cable ends and bring it up and under the bracket crossbar at the center. Pull up the slack and secure the wire bundle $1/2$ " below the crossbar using 1" cotton tape. Splice the pairs by color code and matching unit binders using three splice rows, if necessary. Limit each unit splice to one row in so far as practicable.



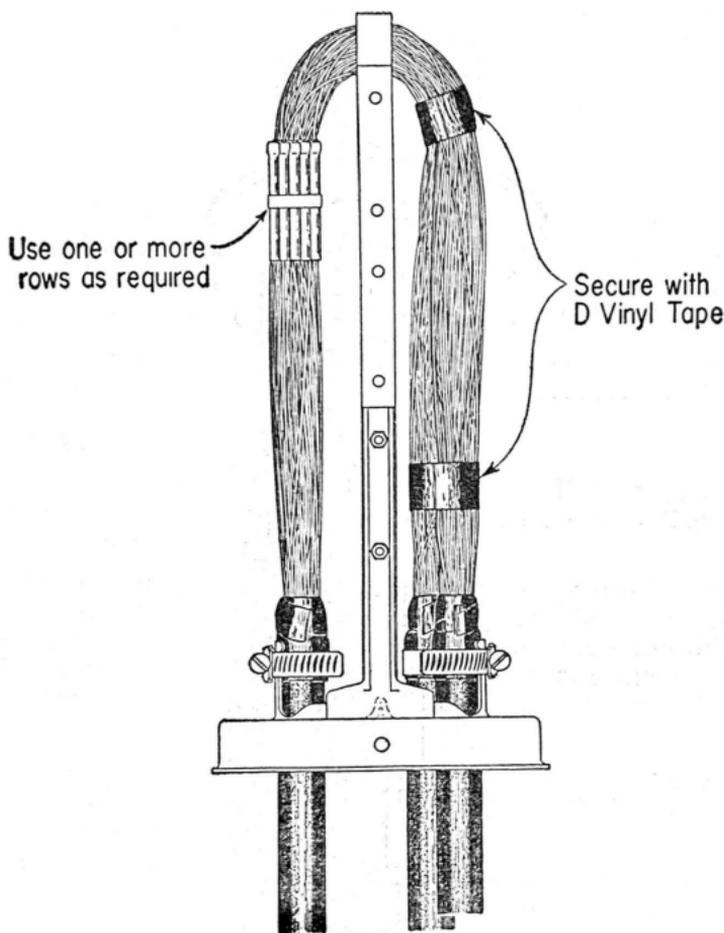
3 splice rows are shown to illustrate spacing.
Use only one row for each unit starting at top.

3.03 Cables Larger Than 101 Pair—Divide the cable units on each side into half by sheath count. Use the same method as in (c) above for half of the units on each side. Three sleeve positions can be used on each side if required. If less than three positions are used eliminate the bottom ones. Do not splice more than 75 pairs in any one position.



4. BRIDGE SPLICING

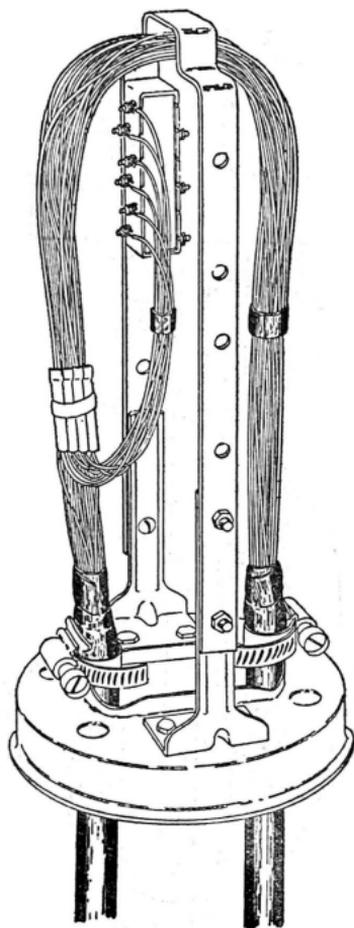
4.01 When more than two cables appear at a splice point two cables should be terminated under one aero-seal clamp. If the cables are of different sizes the smaller cables should be placed under the same clamp.



4.02 Prepare the main cables as outlined in Part 3. Bring the junction cable over to the leg of the main cable which is tied under the bracket. Tie the junction cable to the butt of the main cable with 1" cotton tape. Pull up the ends and bridge splice in the usual manner. Follow splicing recommendations previously mentioned.

5. TERMINATING AT SPLICE LOCATIONS

5.01 When terminations are required at a splice location a pair of wires of appropriate color and length should be bridged into the main splice and the ends terminated on the proper binding posts.



6. COMPLETING SPLICE

6.01 Place 15 inch dome over completed splice.