

CABLE SPLICING
GENERAL
SPECIAL RANDOM SPLICING

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1. GENERAL

1.01 This section outlines the method to be used in making special random splices. All layer type 19-gauge CNB, DNB and layer type 22-gauge cable used for toll, trunk or exchange, shall be spliced by this special random method unless specified otherwise on the detail plans.

1.02 By following at each splice the procedure outlined herein, cable pairs will not be adjacent to the same pairs in more than a minimum number of cable sections.

1.03 In making special random splices the cable ends shall be referred to in accordance with the following:

(a) Toll - At each splice the cable end toward the major toll center shall be established as the reference end.

(b) Trunk - At each splice the cable end toward the Central Office nearest the major toll center shall be established as the reference end.

Note: For this purpose, in the City of San Diego, Main Central Office shall be considered the major toll center.

(c) Exchange - At each splice the cable end toward the Central Office involved shall be established as the reference end.

In all cases the other cable end shall be referred to as the random end.

2. METHOD OF SPLICING

2.01 After the cable has been set up, separate both cable ends into approximately equal front and back halves. In each half tie the pairs in each color group together and lay back out of the way.

2.02 Splice all tracer pairs straight.

2.03 Splice the color groups in each half as follows:

(a) Splice the top pair in the first layer to be spliced on the reference end to the top pair of the same color group on the random end, disregarding layers.

(b) Splice the second pair in the first layer on the reference end to the bottom pair of the same color group on the random end, again disregarding layers.

(c) Splice the third pair in the first layer on the reference end to the next top pair of the same color group on the random end, disregarding layers.

(d) Splice the fourth pair in the first layer on the reference end to the next bottom pair of the same color group on the random end, disregarding layers.

(e) Continue this alternate procedure on the random end until all of the layer on the reference end has been spliced.

(f) Splice the next layer of the same color on the reference end to pairs in the random end in the same manner as described in (a) to (e) above.

(g) In completing the splicing of the first half of any color group, there may be one or more pairs left over at either the reference or random ends. These pairs shall be spliced to pairs in the same color group in the other half of the cable, making sure that adjacent pairs on one end are not spliced to adjacent pairs on the other end.

(h) When the splicing of any color group in the half being spliced has been completed, proceed with splicing the next color group in the same half in a like manner.

(i) Splice the center core group in much the same manner as the other color groups. Avoid splicing adjacent pairs to adjacent pairs.