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Southern California Area

BELL SYSTEM PRACTICES  
Outside Plant Construction  
and Maintenance

ADDENDUM G50.647.1  
Issue B, April, 1949-S  
T. P. T. & T. Co.

CABLE SPLICING - GENERAL  
RANDOM SPlice - EXCHANGE CABLE -  
19-GAUGE AND SMALLER

NOTES CONCERNING THIS ADDENDUM

This addendum supplements Section G50.647.1 with instructions as to when the Special Random Splicing method and the Bunch Random Splicing method are to be used. Information relative to Layer Type Cable has been added. The previous Addendum, Issue A is hereby cancelled.

The cross-reference "See Addendum" should be written in Section G50.647.1 at Paragraph 1.01 to indicate the addition of new information and at Paragraphs 2.02 and 2.03 which are replaced herein.

1. GENERAL

1.01 Note:

When it is necessary to make a splice between multiple unit type trunk or exchange cable and layer type cable, the splice shall be made in accordance with instructions issued for Random Splices in Toll Cables, Addendum to Section G50.650.1.

2. SEPARATION OF COLOR GROUPS OR UNITS

2.02 IN LAYER TYPE CABLES containing 101 to 303 pairs inclusive, the core consists of 50 and 51 pair color groups. In splicing such cable it is advisable to bunch the pairs of each color group. In cables containing more than 303 pairs the color groups generally contain 101 pairs. It will be found helpful to separate each group into two bunches, one with about 60 pairs to be spliced toward the back of the splice, and the other with about 40 pairs to be spliced toward the front. All layer type 19-gauge CNB, DNB and layer type 22-gauge cable used for trunk or exchange, shall be spliced in accordance with the Special Random method covered by Section G50.903.

Note: See Section G50.901 for special splicing and testing instructions when cable other than Western Electric Manufacture is used.

2.03 In MULTIPLE UNIT CABLES, loosen the binder threads of the units and tie each unit with its binder close to the edge of the sheath. The 404, 606 and 909 pair 22 gauge multiple unit cables contain 50 and 51 pair units. The 19 gauge multiple unit cables contain 25 and 26 pair units.

(a) All multiple unit type 19 and 22 gauge cable used for trunk or exchange shall be spliced by Bunch Random Splice method as covered in Part 4 of Section G50.650.1 unless specified otherwise on the detail plans.

(b) All multiple unit type 24 gauge and smaller gauge cable used for trunk or exchange shall be spliced in accordance with Paragraphs 2.04, 2.05 and 2.06 of Section G50.647.1.