

MEASURING FOR AND ORDERING

AERIAL CABLE

GENERAL

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1. GENERAL

1.01 This section covers general information in regard to measuring for and ordering aerial cable. It also includes the overlaps to be provided for non-quadded and quadded cables.

2. CABLE OVERLAPS

2.01 Unless otherwise specified on the detail plans, allow three feet overlap for non-quadded, and four feet overlap for quadded cable at the following locations:

(a) At all straight splices.

(b) On the branch cable at all branch splices.

(c) On the main cable where the number of pairs entering from the branch or tap cable is equal to or greater than $1/2$ of the number in the main cable. (The main cable may be cut or looped to provide the required overlap).

2.02 At H Fixture loading points, allow seven feet overlap. At single pole loading points, allow five feet overlap. No extra overlap is required at points where individual loading coils will be placed in the splice.

3. ORDERING NON-QUADDED CABLE

3.01 In so far as practicable, non-quadded cable should be ordered in stock reel lengths.

3.02 Where it is desired to order such cable in other than the stock reel lengths, make the following measurements and record them on the detail plans or other plan of the route:

(a) Distance along the ground from the center of one pole to the center of the next pole.

(b) Where a strand cross-over or a cable turn is to be made, measure the distance from the cross-over or turn to the center of each adjacent pole which will support the cable.

(c) At poles where the cable is to enter a subsidiary duct directly, without terminating at a cross-connecting cable terminal, or without being spliced at the suspension strand, measure the distance from the top of the subsidiary duct to the point where the suspension strand will be attached to the pole. Determine the length of the subsidiary duct and the additional length required for placing and splicing the cable in the manhole.

3.03 To determine the length of cable to be ordered add the following:

(a) The measurements indicated in 3.02.

(b) The cable overlaps specified in Part 2.

(c) Six inches per 1000 feet of cable to allow for cable sag.

(d) Any additional lengths not included in (a), such as, the distance from a splice in the span to the pole, etc.

4. ORDERING QUADDED CABLE

4.01 In general, the detail plans will show cutting lengths for such cables. These lengths may be used for ordering purposes. If cutting lengths are not shown on the detail plans, consult your supervisor.