

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G50.622.9
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AT&T Co Standard

CABLE SPLICING—GENERAL

AUXILIARY LEAD SLEEVES

ALPETH SHEATH SPLICES

1. GENERAL

1.01 This section replaces Issue 1 which is cancelled. It contains information on the sizes of auxiliary lead sleeves to be used in making wrapped joints on splices in alpeth and stalpeth cables. It has been revised to cover the sleeves used in splicing cables having aluminum conductors, as well as DNB and GNB type cables.

2. LENGTH

2.01 The auxiliary sleeve should generally be 5 inches long. However, where the splice is to be supported between racks in cable vaults and manholes, use longer auxiliary sleeves so that the tape wrappings will not rest on the rack hooks.

3. DIAMETER

3.01 The inside diameter of the auxiliary sleeves for the various sizes of alpth and stalpth cables is indicated in the following table.

Inside Diameter of Sleeve (Inches)

Number of Pairs	17 ga. (Alum.)	19 ga. types		20 ga. (Alum.)	22 ga. (Alum.)	22 ga. (Copper)	24 ga. (Copper)	26 ga. (Copper)
		ENB and FNB	DNB and GNB					
6	1	—	—	—	—	—	—	—
11	1	—	—	1	—	—	—	—
16	1-1/4	1	1-1/4	1	1	1	—	—
26	1-1/4	1-1/4	1-1/2	1-1/4	1	1	—	—
51	1-3/4	1-1/4	1-1/2	1-1/4	1-1/4	1-1/4	—	—
76	2	1-3/4	2	1-1/2	1-1/4	1-1/4	—	—
101	2-1/4	2	2-1/4	1-3/4	1-1/4	1-1/2	—	—
152	2-3/4	2-1/4	2-1/2	2	1-3/4	1-3/4	—	—
202	3	2-1/4	2-3/4	2-1/4	2	1-3/4	1-1/2	—
303	—	2-3/4	3	2-3/4	2-1/4	2-1/4	1-3/4	1-1/2
404	—	3	—	3	2-1/2	2-1/4	2	1-3/4
455	—	3	—	3	—	2-1/2	—	—
606	—	—	—	—	2-3/4	2-3/4	2-1/2	2
909	—	—	—	—	3	3	2-3/4	2-1/2
1212	—	—	—	—	—	—	3	2-3/4
1515	—	—	—	—	—	—	3	2-3/4
1818	—	—	—	—	—	—	—	3
2121	—	—	—	—	—	—	—	3

3.02 In estimating the size of the lead wedge needed at Y joints, as covered in Section G50.625.1, add 1/4 inch to the **inside diameter** given in Paragraph 3.01 to find the approximate **outside diameter** over the auxiliary sleeve.