

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G50.679.1
Issue 5, January, 1951
AT&T Co Standard

CABLE SPLICING—GENERAL
ALPETH AND STALPETH SHEATH CABLE

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1. GENERAL

1.01 This section covers certain details in which the splicing of alpeth and stalpeth cable differs from that of lead sheath cable.

1.02 It is reissued to include information on stalpeth cable← and to delete information which is now contained in other sections.

2. STUB CABLES IN MANHOLES

2.01 It is generally advisable to use lead sheath cable for stubs on alpeth or stalpeth sheath main cable.

**3. SPLICES AT AERIAL CROSS-CONNECTING
TERMINALS**

3.01 BD terminals can be spliced to alpeth or stalpeth sheath cables in the same manner as to lead sheath cable, except for the use of wrapped joints.

3.02 **B, BB or EA Terminals:** In splicing any of these terminals to alpeth or stalpeth sheath cable, it is necessary to make the splice to a lead sheath cable at the terminal in the usual way. The lead sheath cable is extended up the pole to the strand, or down the pole and through the subsidiary duct to the manhole, for splicing to alpeth or stalpeth sheath cable.

4. BONDING ALPETH OR STALPETH SHEATH CABLE

4.01 **Bonding across the Alpeth Splice:** The aluminum under the plastic outer sheath is used as a ground for ringing and fault locating, and also serves as a noise shield. It is, therefore, necessary to have a continuous electrical path across the splice, except at insulating joints or where otherwise specified on the detail plans.

4.02 **Bonding across the Stalpeth Splice:** The terne plate and the aluminum under the plastic outer sheath is used as a ground for ringing and fault locating, and also serves as a noise shield. It is, therefore, necessary to have a continuous electrical path across the splice, except at insulating joints or where otherwise specified on the detail plans.

4.03 **Bonding Alpeth or Stalpeth Sheath Cable to Strand:**
The connection that is made between the strand and lead sleeve by the lashed cable supports provides the necessary bond in aerial cable.