

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

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CABLE SPLICING—GENERAL
BUILDING OUT STUB CABLES

Contents	Page
1. General	1
2. Preparation of Building Out Stub Cable.....	1
3. Splicing Building Out Stub to Main Cable.....	2

1. GENERAL

1.01 This section outlines the method of preparing and installing building out stub cables.

1.02 Building out stub cables are used to increase the capacitance of cable circuits.

2. PREPARATION OF BUILDING OUT STUB CABLE

2.01 The cable should be set up before making capacitance tests.

2.02 Strip the sheath from each end of the cable for a distance of 18" and bind the core in the usual manner. If the cable contains metal layer shields they shall be removed and terminated.

2.03 Under some conditions it may be necessary to boil the ends with paraffin. Normally, however, desiccant will be used.

2.04 At the end of the cable away from that which is to be spliced to the main cable arrange the pairs or quads in building out groups according to information furnished by the tester. To provide the necessary shielding in building out carrier circuits leave at least two separator pairs or quads dead between each building out group.

2.05 At the same end of the cable bunch the wires of each building out group; then identify and tag them at the splice end.

2.06 At the cap end of the stub, each building out group will be butt spliced in multiple in accordance with the tester's instruction.

2.07 Solder and sleeve all joints, and clear and sleeve the ends of all conductors that have not been spliced, in each building out group.

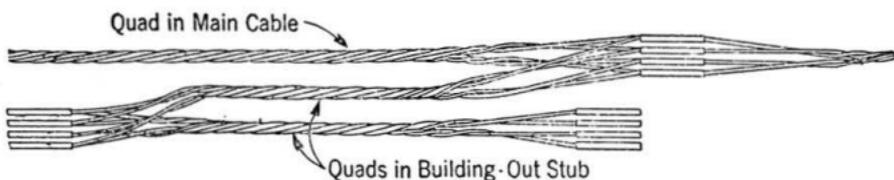
2.08 Clear and sleeve the ends of the separator quads.

2.09 Wrap the end of the cable to be capped, in the usual manner.

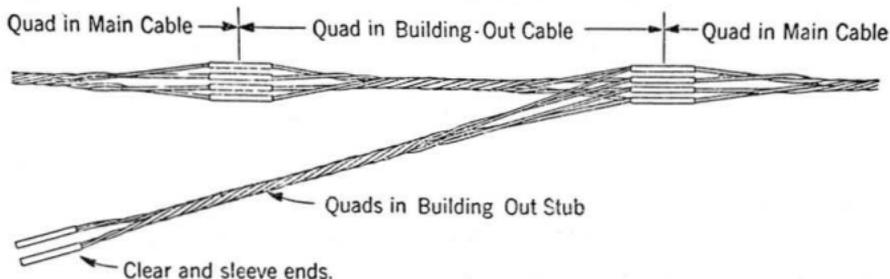
3. SPLICING BUILDING OUT STUB TO MAIN CABLE

3.01 Join one pair or quad in a building out group to the pair or quads to be built out in the main cable in accordance with instructions furnished by the tester. The joints should be soldered and sleeved. The following figure illustrates the various ways in which quadded building out cable can be connected to the main cable.

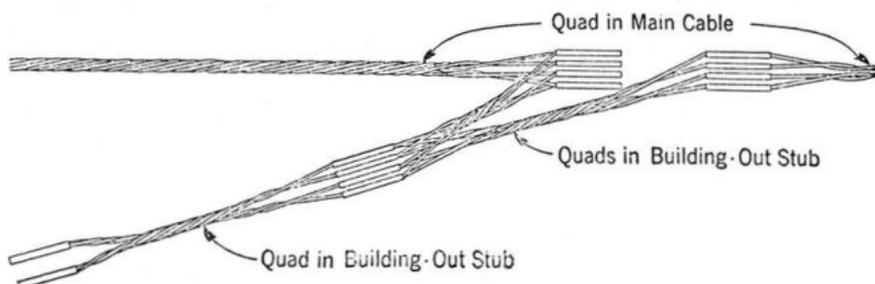
BUILDING-OUT BY BRIDGING



SERIES AND BRIDGE BUILDING-OUT



BUILDING-OUT BY LOOPING AND BRIDGING



3.02 Proceed with the remaining quads, splicing each quad group before the next group is started.

3.03 Clear and sleeve the ends of all conductors, including the separator quads, which are not joined to the main cable.