BELL SYSTEM PRACTICES
Outside Plant Construction and Maintenance

SECTION G50.212.4
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AT&T Co Standard

CABLE TESTING—GENERAL
TALKING CIRCUIT WITH 88A TEST SET

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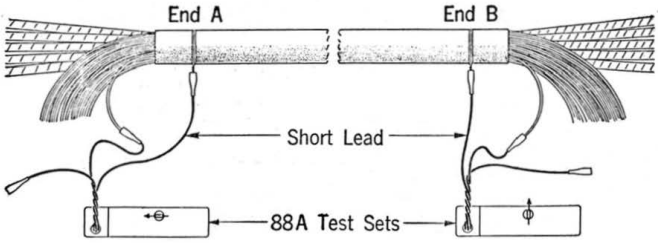
1. GENERAL

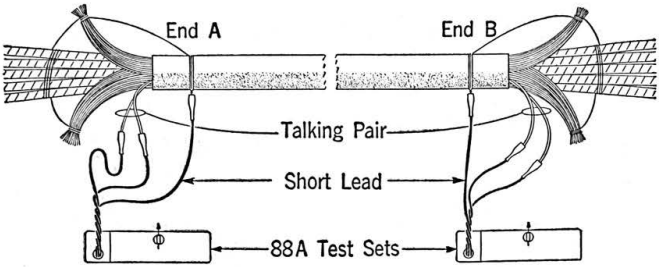
1.01 This section describes the method of establishing a talking circuit with the 88A Test Set. This set should be employed to communicate between splicers when high potentials are used in testing coaxials. The set will operate over as much as 20 miles of 19-gauge cable.

2. CONNECTIONS

2.01 **Establishing Talking Circuit:** An 88A set is required at each end of the section. The signal keys in the two instruments should be set differently. Make the connections indicated in the following diagram. Run over the pairs at end B until the one is located that operates the buzzer in both sets.



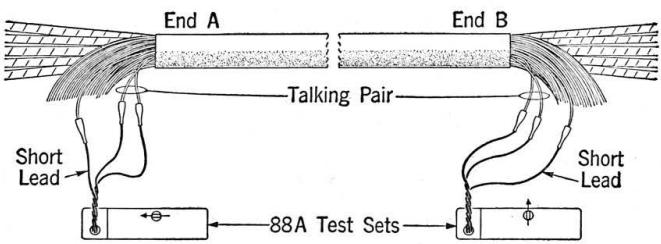
2.02 Connect the 88A sets to the talking pair as shown in the following diagram.



2.03 Skin, bunch and ground the remainder of the paper-insulated conductors in the cable to the outer conductors of the coaxials, cable sheath and steel tapes or copper jacket.

2.04 **To Signal:** Turn the signal key in one set; this will operate the buzzer in the two test sets.

2.05 **Identifying Conductors:** The 88A sets can also be used to identify conductors. After the talking pair has been established, make the connections at the sending end A and at the identifying end B, as shown below. The signal keys in the two instruments should be set differently.



2.06 At A, select a conductor to be identified and connect the ground lead to it. At B, run over the conductors with the ground lead until the one is found which operates the two buzzers.