

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G61.630.1
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AT&T Co Standard

49 TYPE CABLE TERMINAL

1A1 AND 1B1 TERMINAL STUBS CONNECTED TO PULP INSULATED CABLE

Contents	Page
1. General	1
2. Placing the Stub and Terminal	2
3. Installation	3

1. GENERAL

1.01 This section tells how to connect a 49A1 "ready access" terminal to paper or pulp insulated cable by means of a prepared stub.

1.02 This section is reissued to cover the 1A1 and 1B1 terminal stubs, both of which have PVC insulation. ←

1.03 These two stubs have 50 pair fully color-coded, PVC insulated 24 gauge conductors. The stubs are nine feet in length.

The two types are:

1A1 terminal stub—PVC sheath and PVC insulated conductors. ←

1B1 terminal stub—lead sheath over PVC jacket and PVC insulated conductors. ←

1.04 Each stub has one end prepared for the installation of a 49A1 cable terminal. The pressure plug at the end of the stub sheath forms one mounting point for the terminal. The insulating cap, filled with plugging compound, into which the ends of the conductors are inserted, forms the other mounting point.

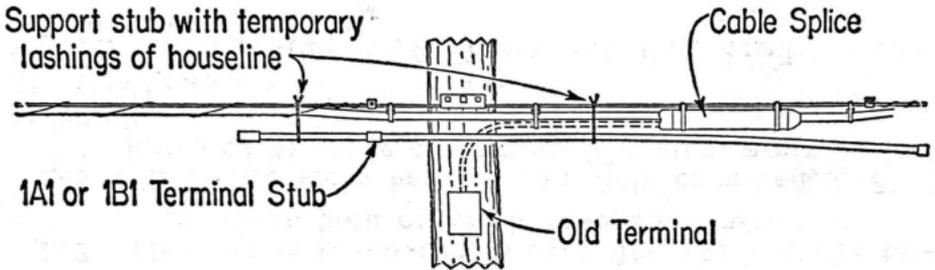
1.05 Two each of No. 1 U cable guard straps, P400577 galvanized machine screws and P250027 galvanized nuts are furnished with each stub to suspend the terminal and stub underneath the through cable. Where the through cable is larger than 1-3/8 inches in diameter, larger size U cable guard straps should be used.

1.06 **Choice of Stub**—The type of stub used, i.e., lead or PVC sheath, depends on the type of splice closure. The 1A1 terminal stub with PVC is **intended for use with a splice case**. The 1B1 terminal stub with lead sheath is **intended for use with a lead sleeve**.

1.07 The 1B1 terminal stub is similar to the previously furnished F-53182 terminal stub which it replaces.

2. PLACING THE STUB AND TERMINAL

2.01 The stub is long enough to permit placing the 49A1 cable terminal on the opposite side of the pole from the cable splice. Place the stub in the position shown below, and use temporary supports to hold the stub in position.

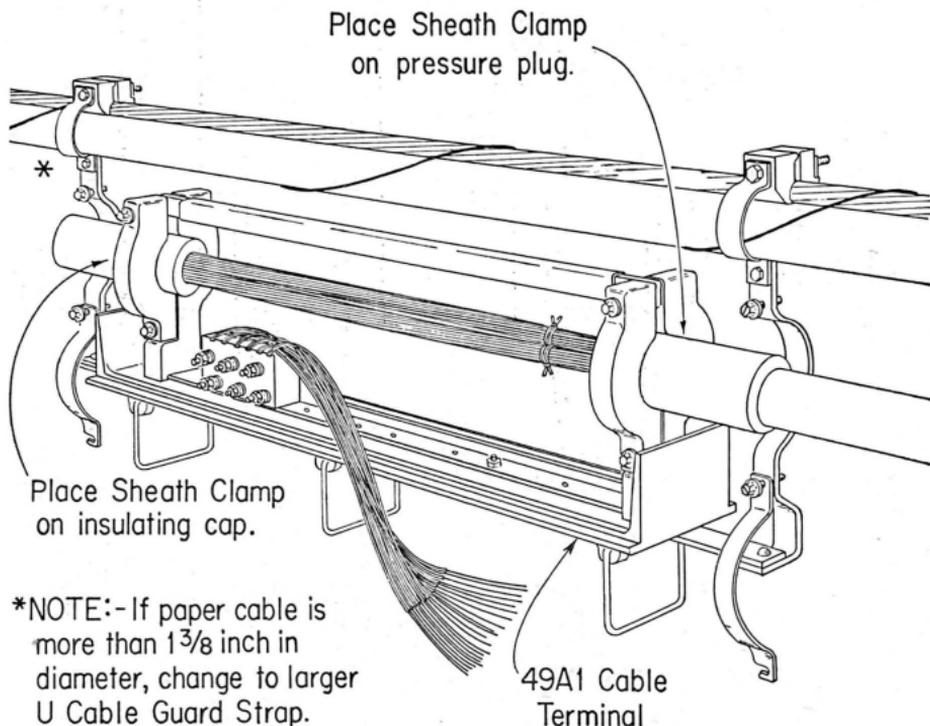


2.02 Remove the strand lugs from the 49A1 cable terminal and assemble the hangers, the No. 1 U cable guard straps and the strand lugs to form the suspension bracket, as shown.

1. Remove strand lug from terminal.
2. Fasten strand lug in upside down position to No.1 U Cable Guard Strap.
3. Fasten U Cable Guard Strap to top of terminal hanger.



2.03 Place the 49A1 cable terminal on the prepared end of the stub. Secure the terminal to the suspension strand as shown.



2.04 The connections from the terminal base strip through the hangers and U cable guard straps to the suspension strand provide the electrical bond between the terminal and the suspension strand.

3. INSTALLATION

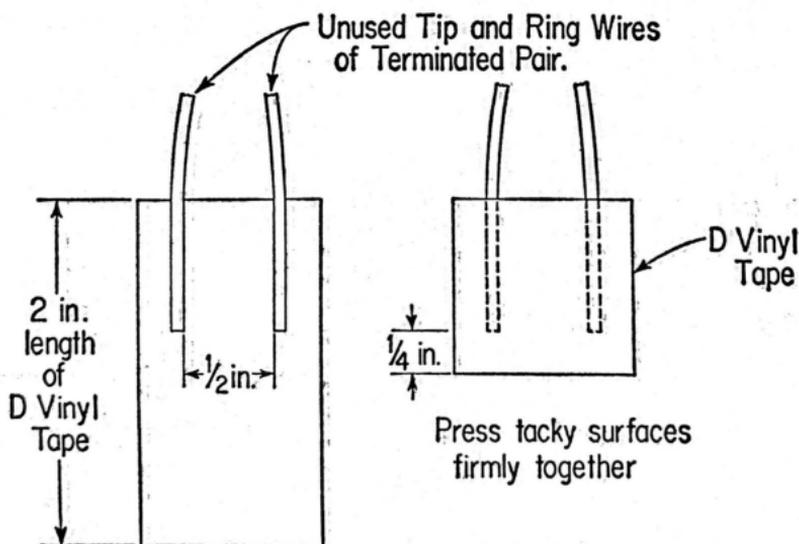
3.01 At the Splice

- Remove the sleeve or splice case from the paper or pulp insulated cable or make the sheath opening in the usual manner. Identify the cable complement to which the stub cable will be bridged by use of the 108A and 109A test sets or by other means of identification.
- Bridge the conductors of the prepared stub into the cable. Be sure to splice the stub conductors by the even count color code.

(c) Complete the splicing operation by closing the splice with a lead sleeve or splice case. When a splice case is to be installed, measure the diameter of the lead sheathed paper or pulp insulated cable to insure that the right size splice case is used. Older cables of this type may have diameters greater than those shown in Section G50.055.1.

3.02 At the Terminal

- (a) If the terminal requires protection, remove the P-18A782 terminal block furnished with the terminal. Install the 3A1B-3 terminal block(s) or the F-53458 terminal block(s). Both these blocks are furnished with 2A1B protector units.
- (b) Terminate only the binding posts required for the existing drop wires and any specified on the work prints or service orders.
- (c) The P-18A782 terminal block is equipped with two leads at each binding post but only one is required for making the connection to the stub cable. As the unused tip and ring wires of the terminated pairs are a part of the working circuit, their ends must be carefully insulated. Cut off the ends of these wires including a little of the insulation and any bare copper. Hold the ends parallel and 1/2 inch apart and insulate them as shown.



3.03 Supporting Terminal and Stub
Support the completed installation as follows:

