

49 TYPE CABLE TERMINAL INSTALLATION

This addendum to Section G61.622.3, Issue 1, shows how to install 49-type terminals when two cables are lashed to the same strand. Information on terminating conductors in 49-type terminals and precautions of acquiring opening and closing numbers when performing work on the cable conductors is also included.

Paragraphs 3.10 and 3.11 - Added

Parts 7, 8 and 9 - Added

Write "See Addendum" at the appropriate paragraphs in the main section.

3. JOINING PAIRS

3.10 At a combined straight splice and distribution location, join the cable pairs to be terminated in and out to the terminal block leads.

3.11 At a dead end, terminate the cable in the usual manner. Sleeve the cable conductors that are not terminated. Also, sleeve the "Out" lead pairs of the binding posts on which cable conductors are terminated. Sleeve dead pairs as shown in the G50 Division on Cable Splicing. Do not sleeve leads from UN-USED binding posts.

7. PRECAUTIONS

7.01 Unless the Test Center knows that work is in progress on a cable or terminal, they may conduct tests that cause surprise voltages. This could cause a serious accident. Therefore, when work is to be done on 49-type terminals, obtain an opening number from the Test Center in the following cases:

- (a) Before opening the sheath of a working cable to install a new terminal.
- (b) Before connecting a new cable pair to a block in an existing terminal.
- (c) Before rearrangement of terminated cable pairs to clear trouble conditions.

7.02 Obtain a closing number from the Test Center when the work is completed.

8. MOUNTING WHERE THERE IS MORE THAN ONE CABLE

8.01 To install a 49-type terminal on a cable where more than one cable is lashed to the same strand, the terminal frame must be modified to provide clearance from the by-passing cable.

8.02 The material required to modify the frame is a U Cable Guard Strap and a galvanized $1/4 \times 3/4$ in. Hex Head Machine Bolt with nut and lock washer for each of the two hangers on the terminal.

8.03 The U Cable Guard Strap used should be slightly larger than the diameter of the by-passing cable to allow a minimum of $1/4$ - inch clearance from the cable. The straps and their width measured across the inside of the loop is shown below.

U Cable Guard Strap

Width (In.)

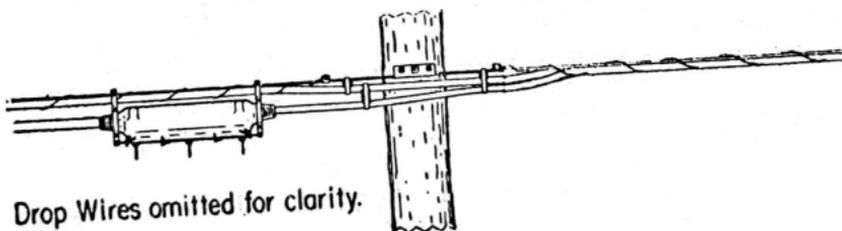
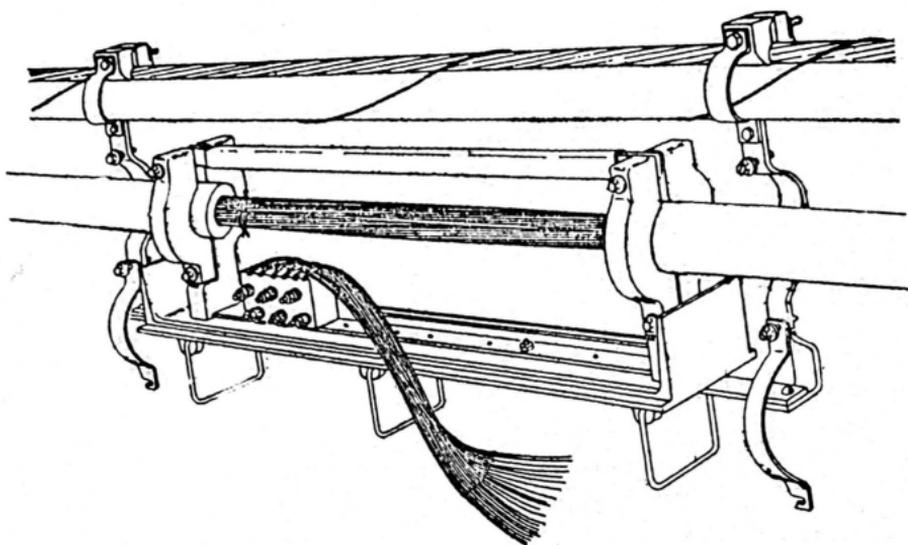
No. 1	1 1/8
No. 2	2 3/16
No. 3	3 3/16

8.04 Remove the strand lugs from the terminal and assemble the hangers, the U Cable Guard Straps and the strand lugs to form the suspension bracket as shown below.

1. Remove strand lug from terminal.
2. Fasten strand lug in upside down position to U Cable Guard Strap.
3. Fasten U Cable Guard Strap to top of terminal hanger.



8.05 The following sketches illustrate the mounting of the terminal and the completed installation.



Drop Wires omitted for clarity.

9. SUPPORTING EXISTING 49 TYPE WHERE A SECOND CABLE IS ADDED

9.01 This method is used when a second cable is lashed to the same strand that has a cable already equipped with 49-A Terminals. The Terminal Mounting Rod is used as a means to mount the 49-A Terminals.

9.02 Mounting details are shown below:

