BELL SYSTEM PRACTICES
Outside Plant Construction and Maintenance

SECTION G56.651.4
Issue 1, January, 1960
AT&T Co Standard

B BURIED CABLE TERMINAL
TERMINATING

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1. GENERAL

1.01 This section describes the procedure to be followed for terminating conductors in B Buried Cable Terminals.

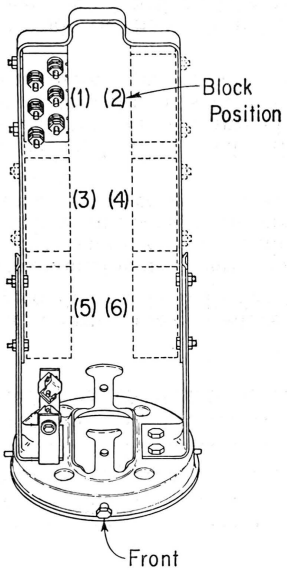
1.02 The 12-pair terminal is used with cables as large as 0.82 inch in diameter and provides terminating facilities for as many as 12 pairs. It is furnished with one 6-pair connecting block and there is space for a second bracket assembly and connecting block if required.

1.03 The 36-pair terminal can be used with cables as large as 1.82 inches in diameter and provides terminating facilities for as many as 36 pairs. It is furnished with one 6-pair connecting block and there is space for five additional blocks if required.

1.04 Where protection of the cable pairs is required 3-pair protected blocks are substituted for regular 6-pair blocks which reduces the number of terminations to half as many.

2. CONNECTING BLOCK POSITIONS

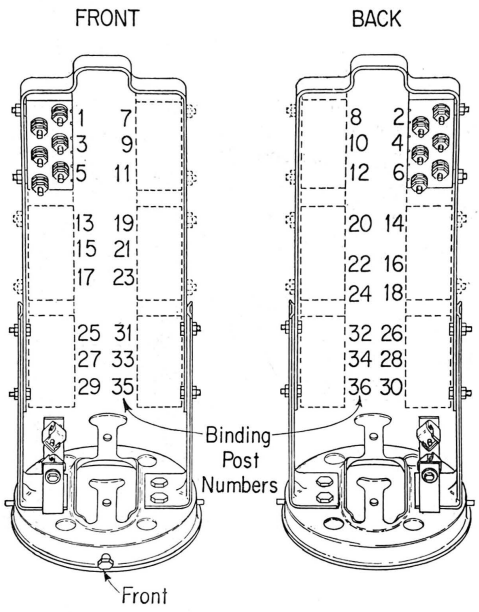
2.01 Facing the captive bolt in the base plate the 36-pair terminal will be furnished with the number 1 connecting block on the upper left-hand side as illustrated below. The numbers in parentheses ( ) indicate the positions and the order in which additional blocks should be installed as required.



2.02 The block positions in the 12-pair terminal are similar, the number 1 block being on the left-hand side when facing the bolt in the base plate.

3. BINDING POST COUNT

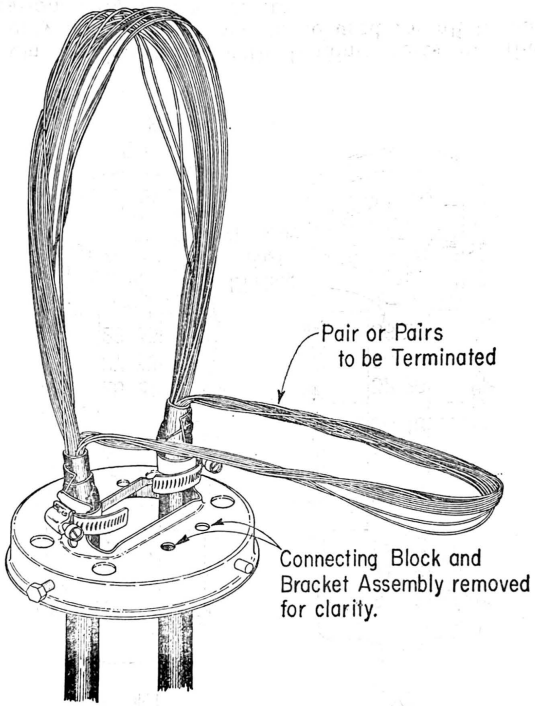
3.01 The odd numbered binding posts will be on the front of the terminal and the even numbered binding posts on the back, as illustrated below.



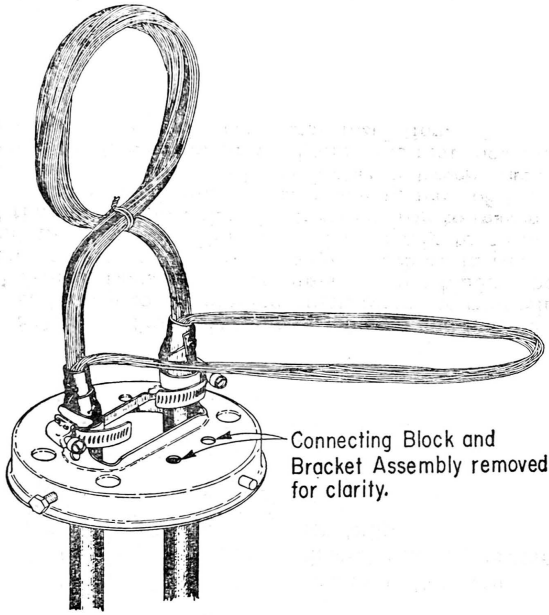
3.02 On 3-pair blocks with binding posts on the front only odd numbers should be used for all binding post identification, 1, 3, 5, 7, 9, 11, etc.

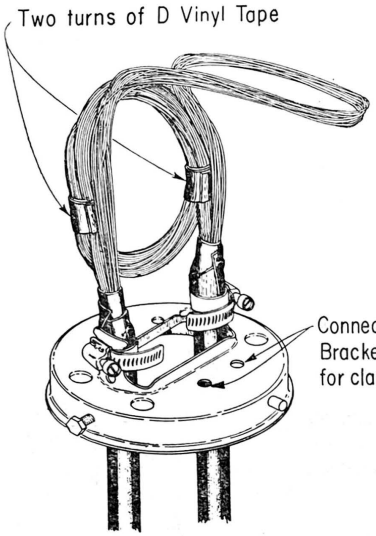
4. TERMINATING

4.01 Remove the temporary ties and unfold the cable loop. Then remove the binders from the conductors. On multiunit cable identify the binder groups as outlined in G50.699.1. Separate the pair or pairs to be terminated after placing the identification rings.



4.02 Form the conductors as illustrated below. The total height of the loop should be about 6 inches measured from the base plate with the bottom of the loop arranged to avoid contact with the metal parts of the terminal.

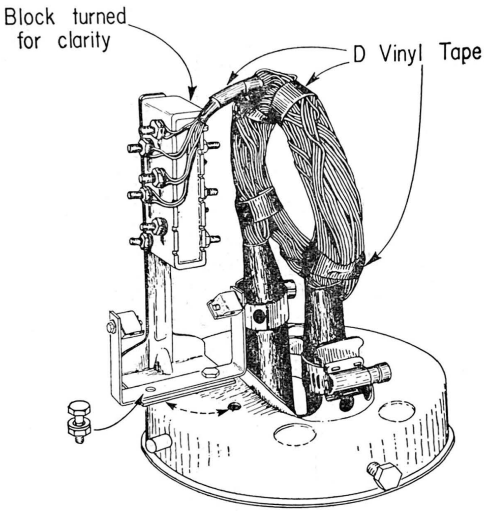




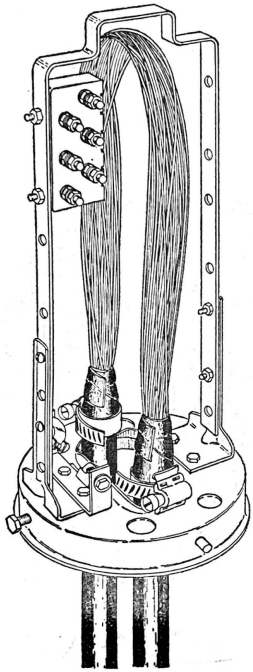
4.03 Select the first pair to be terminated and pull the looped end down to the binding posts. Slide the ring wire back about 1/2-inch. Loosen the rear nuts on each binding post and place the conductors over the **pronged washers** in their proper ring and tip positions. Hold the wires firmly to form a loop around the binding post **then back off slightly to insure seating of the insulated conductor on the crushing flats of the washer and to prevent pinching of conductor between shoulder of washer and the threads of post.** Tighten the rear lock nuts. **It is not necessary to skin the conductor insulation.**

4.04 All subsequent terminations shall be made in a similar manner.

4.05 Restore the original loop and form the terminated pair or pairs to the top of the block. The excess slack should be folded back on each side of the loop. Secure the loop with a collar of D Vinyl Tape at the top, bottom and on each side. Additional pairs should be formed with the initial termination and taped as illustrated below.



4.06 Terminations in 36-pair terminals (15-inch cover) shall be made in the same way except that it is not necessary to form a loop in the conductors which are not terminated.



5. PROTECTED TERMINALS

5.01 Terminations on the 3-pair protector blocks used for cable pairs on which protection is required shall be made as outlined in the previous paragraphs except that all terminations are made on one side of the block.

6. BLOCKS FOR ADDITIONAL TERMINATIONS

6.01 If a second 6-pair block is required in the 12-pair terminal remove the rubber plugs from the mounting holes in the terminal base plate. Then mount a bracket assembly in the base plate and mount a 6-pair block on the bracket.

6.02 If additional blocks are required in the 36-pair terminal they shall be mounted using the holes provided in the bracket. The order in which additional blocks should be installed is illustrated in Paragraph 2.01.

6.03 If the cable pairs are to be protected remove the 6-pair block provided in the terminal and install the required number of 3-pair protected blocks. An additional bracket assembly will be required in the 12-pair terminal. The 3-pair block is the same size as the 6-pair block and registers in the same mounting hole.

6.04 Terminations on the added blocks shall be made as outlined in Paragraph 4.