

TERMINATING WIRE AT DISTRIBUTING TERMINALS

1. GENERAL

1.01 This section covers the methods of terminating wire at distributing terminals and also gives information pertaining to the protection of special service lines and the strapping of binding posts.

1.02 **Protecting Special Service Lines:** To protect special service lines from momentary service interruptions due to accidental contacts made at terminal binding posts, place a binding post insulator at each terminal binding post which terminates a conductor used for a special service line. Since such a conductor may be bridged to several terminals, take care to place insulators at each of these terminals. When placing a binding post insulator, slip it over locknut so as to allow the wire to fit into the slotted hole in the side of insulator as shown in Fig. 5.

Explanatory Note: Special service lines are lines, such as program supply, teletypewriter service, picture transmission, power company remote control, alarm and similar lines or circuits.

1.03 **Strapping Consecutive Binding Posts:** To strap consecutive binding posts, place a bonding ribbon directly under the inner nut of each binding post with the notched side toward the center of the block. Where more than fourteen consecutive posts are to be strapped, place the end notches of two pieces of bonding ribbon so that they overlap under a binding post nut. When a short length is desired, break the ribbon by bending it sharply through the notch just beyond the one to be placed under the last binding post to be strapped.

1.04 The two types of bonding ribbon available for use in strapping binding posts are shown in Fig. 1 and Fig. 2:

Type "L" Bonding Ribbon
 (For use with 6 type connecting blocks)

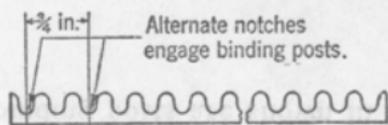


Fig. 1.

Type "S" Bonding Ribbon
 (For use with 30 type connecting blocks and G binding post chambers)

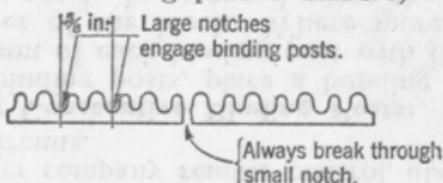


Fig. 2.

1.05 When it is necessary to connect two adjacent rows of consecutive binding posts, connect them as shown in Fig. 3.

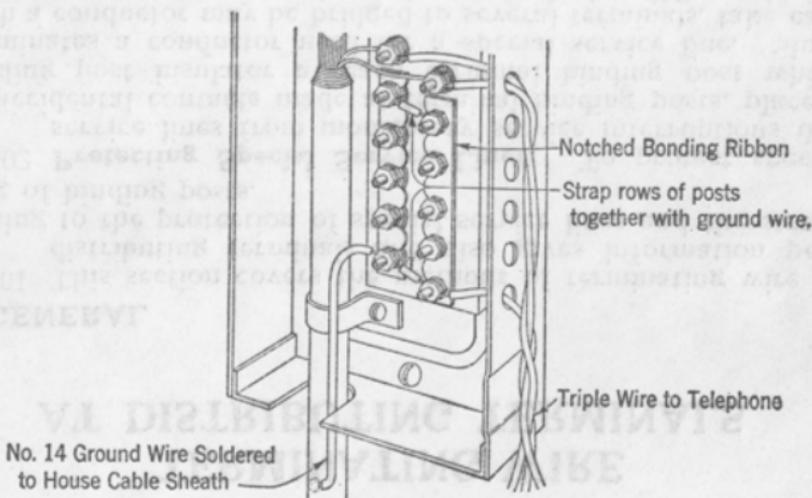


Fig. 3.

1.06 **Strapping Non-Consecutive Binding Posts:** If it is necessary to strap several non-consecutive binding posts, use

the same type of wire that is employed in terminating lines and circuits at the particular terminal involved. Run the strap wire through holes in fanning strip, if provided, or through holes in the side of cable terminal which serves as a fanning strip.

2. TERMINATING

2.01 The method of terminating wire at distributing terminals is shown in Fig. 5 and Fig. 6. In terminating wire at such terminals, terminate conductors as outlined in the table below and place bared end of each conductor $3/4$ way around binding post, in a clockwise direction, with insulation $1/8$ inch from edge of washer as shown in Fig. 4.

KIND OF WIRE	TIP	RING	GROUND
Inside Duct Bridle	Green Plain Plain	Red Single Tracer Single Tracer	Yellow Double Tracer Double Tracer

2.02 The proper arrangement of connections and the method of terminating wire at a binding post is shown in Fig. 4.

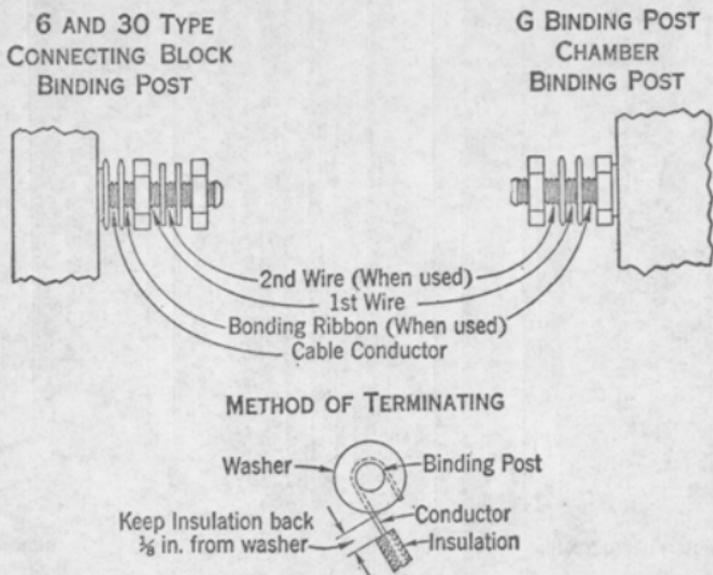
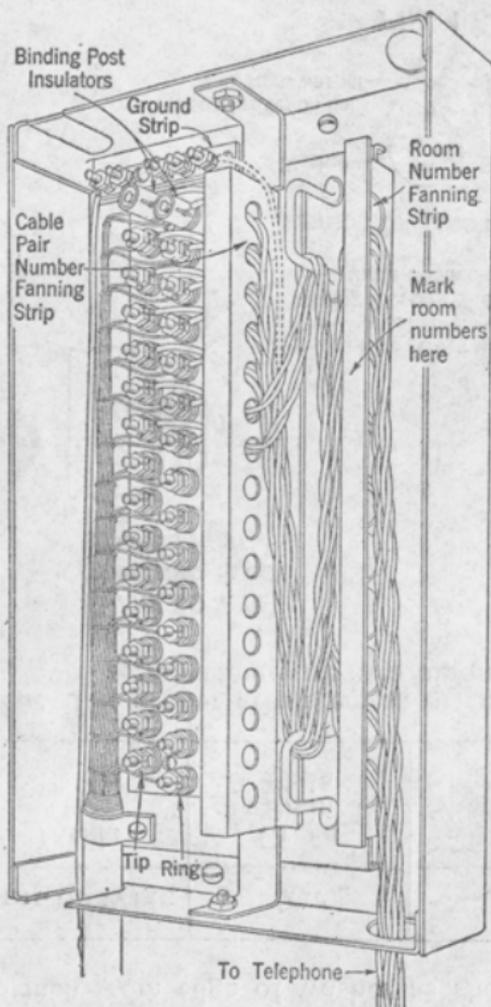


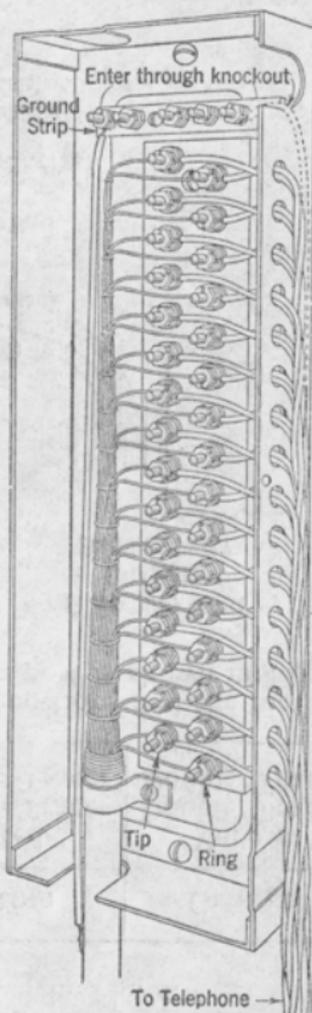
Fig. 4

HL TYPE CABLE TERMINAL



Run all wires through room number fanning strip, then through ring farthest away from holes in cable pair number fanning strip and then through the cable pair number fanning strip to connecting block so as to leave slack for future transfers.

HS TYPE CABLE TERMINAL

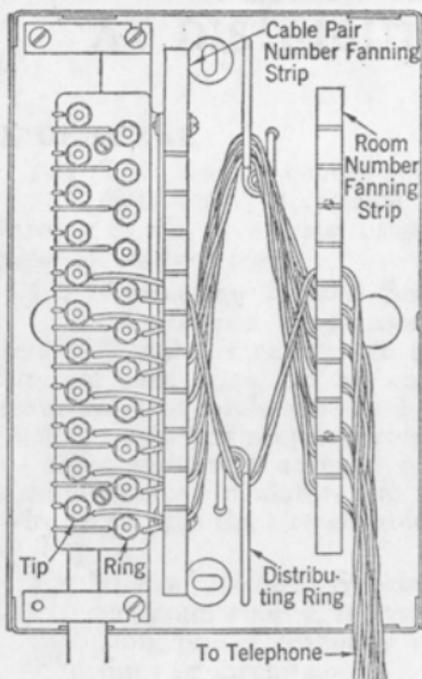


Run all wires through holes in the side of cable terminal to corresponding cable pair.

Fig. 5

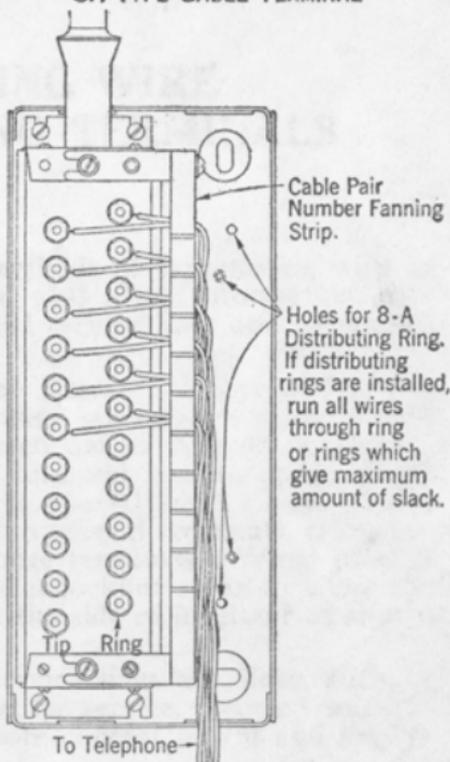
2.03 The dotted lines in Fig. 5 show how to terminate the double tracer (or yellow) conductor on a ground strip.

GB TYPE CABLE TERMINAL



Run all wires through room number fanning strip, then through ring farthest away from holes in cable pair number fanning strip and then through the cable pair number fanning strip to connecting block so as to leave slack for future transfers.

GA TYPE CABLE TERMINAL



Run all wires through holes in the side of cable pair number fanning strip to corresponding cable pair.

Fig. 6

2.04 Where triple wire is run to a GA or GB type cable terminal equipped with a ground strip, terminate the double tracer (or yellow) conductor in the same general manner as for an HS or HL type cable terminal, as shown in Fig. 5.