

DROP AND BLOCK WIRING

TERMINAL POST CAPS AND INSULATORS

I. GENERAL

- 1.01 This practice presents the protective measures to be taken on circuits used for special service requirements.
- 1.02 These measures consist of placing binding post caps and insulators on the binding posts of special service lines in all cable terminals at which the circuits are brought out, including multiple appearances. This is to prevent service interruptions due to accidental contact.
- 1.03 Among the special service lines which require protection from accidental contact are:
 - a. Military circuits.
 - b. Private line service furnished to the government.
 - c. Special facilities for use in a major disaster.
 - d. Remote control, signal and alarm including fire, police burglar alarm, and various instrument metering circuits.
 - e. PBX battery and generator supply for hospitals, police, fire departments, and others who perform emergency service for the public.
 - f. Teletypewriter, including ticker service lines.
 - g. Telephotograph and television.
 - h. Carrier telegraph and telephone.
 - i. Radio telephone.
 - j. Program supply (e.g. radio, etc.).
 - k. Miscellaneous circuits on which special protection is prescribed by order.
- 1.04 Extreme care shall be exercised when working on or near protected lines not to interfere with, or do unauthorized work on these lines. This could cause a momentary open, short circuit cross or unbalanced condition which could result in serious service interruptions.
- 1.05 The red binding post cap or any binding post insulators shall be removed only when authorized by the local testboard or by a service order for service discontinuance. Then all caps and insulators associated with a particular service shall be removed at the time the service order (for service discontinuance) is completed. In the event that such caps are overlooked, they shall not be removed for subsequent reuse of pair unless authorized by the local testboard.
- 1.06 Designation tags shall be used only at working appearances and when specified on service orders. In such cases, tags shall be attached to the drop, block, or cross-connecting wire at a point in the wire run of the terminal so that the tag or attaching string cannot come in contact with any binding posts.

2. BINDING POST CAPS AND INSULATORS

- 2.01 The binding post cap is a red neoprene cap with a tear slit and hole. The cap, which can be used on a working or non-working binding post, completely covers the cable terminal binding posts. The caps provide protection against accidental contact. See Figure 1.
- 2.02 For special service lines which end in terminals not suited to use of binding post caps, the binding post insulator is provided. It is a phenol fiber sleeve, slotted lengthwise. See Figure 2.



FIGURE 1. Binding Post Cap

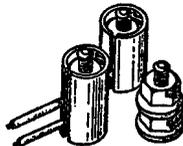


FIGURE 2. Binding Post Insulator

3. PLACING BINDING POST CAPS

- 3.01 Use this procedure to position binding post caps:
- Thoroughly clean the binding posts to be protected and the terminal face plate.
 - Tighten the spare nuts of the binding post, finger tight.
 - Check that all moisture around binding post has been removed.
 - Force the cap, but do not twist, over the binding post until its skirt is in good contact with the face plate.
 - Position any appropriate drop or bridle wires inside the hole at the end of the slit in the cap.

4. PLACING BINDING POST INSULATORS

- 4.01 This procedure is used to position binding post insulators:
- Follow procedures outlined in paragraph 3.01 a. through c.
 - Force the insulator over the binding post until its skirt is in good contact with the face plate.
 - Be sure the fit is snug; if necessary, wrap plastic tape around the binding post inside the insulator.
 - Position any appropriate wires inside the slot.

5. **DESIGNATION TAGS**

5.01 Aluminum designation tags are available for identifying all types of services. In no case shall the circuit numbers of special service lines be on designation tags. Tags are to be used *externally* at terminal, protector and connecting block locations.

6. **MATERIAL INFORMATION**

ITEM	CATALOG NO.
Binding Post Cap	68-34-008-7
Binding Post Insulator	70-58-047-2
Metal Designation Tag	51-77-020-2