

## ELECTRIC WIRING AND EQUIPMENT

### 1. GENERAL

1.01 This practice covers the use and maintenance of electric wiring and equipment in telephone buildings with particular respect to avoiding fire hazards.

1.02 The electrical machinery and equipment, apparatus, fixtures, conduit and wiring must conform, as stipulated in other sections of Bell System Practices to the National Electrical Code, the Bell System Practices for lighting in operating rooms and on switch frames or apparatus racks, the specifications for the particular building, and the electrical code of the state and municipality.

### 2. TEMPORARY WIRING

Electrical wiring, conduit, fixtures and apparatus for temporary use must comply with the National Electrical Codes and the local codes for permanent wiring. (Note especially during building changes or additions).

### 3. CHANGES AND ADDITIONS

Extensions to or changes in the existing wiring, fixtures, etc., shall only be made as specified in approved job orders or estimates.

### 4. FUSES

4.01 Fuse wire is prohibited.

4.02 Use only standard fuses of the non-renewable type bearing the approval of the Underwriters Laboratories, Inc.

4.03 The capacity of each fuse and its type must conform with the requirements of the National Electrical Code for the fuse mounting involved and for the size and character of the wiring and apparatus protected by the fuse. The proper capacity of fuses shall be stencilled upon the mounting by the Installer or Contractor.

### 5. PORTABLE LAMPS AND EXTENSION CORDS

5.01 The use of extension cords and portable lamps should be minimized, confining them to situations where special lighting is not usually required. Whenever the nature of the work necessitates the repeated use of a light, arrangements should be made for the permanent installation of suitable lighting fixtures.

## SECTION H42, 410

- 5.02 Portable cords used by repairmen in the rear of switchboard sections shall be removed and hung outside the section whenever the rear doors or curtains are closed. Such lamps should be removed and disconnected whenever the workman leaves the equipment even for a short interval. This is to eliminate the possibility of overheating and fire in his absence.
- 5.03 Lamp cords shall not be hung on nails, pipes, or telephone equipment. Portable lamps shall be hung by the lamp-guard hook.
- 5.04 Every portable lamp should be equipped with the molded combination guard and socket, the special cord and the attachment plug as specified in the standard catalog of supplies. Cords used in the rear of switchboard sections shall be equipped with the special porcelain plugs adapted to the receptacles mounted in the rear of the sections.
- 5.05 Every portable lamp must be fitted with an approved guard so as to prevent the lamp from resting against combustible materials as well as to safeguard the lamp from breakage.

### 6. LAMP SHADES

Combustible material, such as paper or fiber shall in no case be used as a lamp shade even temporarily; use metal, asbestos or other noncombustible material.