

(c) (i) All metal sheaths and armour of cables shall be electrically continuous and shall be earthed (grounded).

(ii) Where the cables are neither metal sheathed nor armoured and there might be risk of fire in the event of an electrical fault, precautions shall be required by the Administration.

(iii) Metal sheathed or armoured cables may be required by the Administration in certain compartments or sections of the ship, with a view to the prevention of fire.

(d) (i) Joints in all conductors except for low voltage communication circuits shall be made only in junction or outlet boxes. All such boxes or wiring devices shall be so constructed as to prevent the spread of fire from the box or device.

(ii) Lighting fittings shall be arranged to prevent temperature rises that would be injurious to the wiring, and to prevent surrounding material from becoming excessively hot.

(e) Wiring shall be supported in such a manner as to avoid chafing or other injury.

(f) Except as provided in paragraph (d) of Regulation 22, each separate circuit shall be protected against overload. The current-carrying capacity of each circuit shall be permanently indicated, together with the rating or setting of the appropriate overload protective device.

(g) (i) Accumulator batteries shall be suitably housed, and compartments used primarily for their accommodation shall be properly constructed and efficiently ventilated.

(ii) Devices liable to arc shall not be installed in a compartment assigned principally to accumulator batteries unless the devices are flameproof (explosion proof).

## PART D.—FIRE PROTECTION IN ACCOMMODATION AND SERVICE SPACES

(Part D applies to passenger ships only)

### Regulation 25

#### *Application and General*

(a) The application of this Part of this Chapter is subject to the condition that a ship carrying not more than 36 passengers need comply only with Regulations 28 and 29 provided that, in addition to complying with paragraph (b) of Regulation 50, it is fitted with a fire detection system of a type approved by the Administration, which will automatically indicate at one or more points or stations, where it can be most quickly observed by officers and crew, the presence or indication and location of fire in all enclosed spaces appropriated to the use or service of passengers and crew, except spaces which afford no substantial fire risk.

(b) The main structure, including decks and deck houses, shall be of steel except where the Administration may sanction the use of other suitable material in special cases. It shall be divided into main vertical zones by "A" class bulkheads (as defined later) and further divided by similar bulkheads forming the boundaries protecting spaces which provide vertical access,