

- 6.1.25 Light fittings used with tungsten filament and halogen lamp shall be suitably segregated and supported from the PVC conduit and terminal outlet boxes to prevent deterioration due to associated high temperature rise.
- 6.1.26 The conduit runs which are concealed within the building structure such as in-floor, wall, roof, column etc. shall be provided with a minimum screed cover of 10 mm.
- 6.1.27 When the trunking and conduit runs are installed with chases in the building structure, they shall be firmly fixed at regular intervals with purpose-made crimpets and/or saddles.
- 6.1.28 The standard conduit boxes, draw-in boxes, floor-outlet boxes etc. shall be installed with its cover/lid flush with the outer finish of the building structure (BS 4662, BS 5733, BS EN 61535).
- 6.1.29 Only flush type switches, socket outlets and accessories shall be used for concealed wiring.
- 6.1.30 In surface mounted industrial installations and where situations subject to fire risk, only galvanised steel conduits shall be used. PVC conduits shall not be used for such applications.
- 6.1.31 Galvanised steel conduits shall not be used under floor tiles of buildings in concealed wiring systems embedded in walls or floors. PVC conduits shall be used for all such applications.
- 6.1.32 Where conduit and or conduit fittings are attached to switches, distribution boards, boxes or other equipment, smooth bore mild brass brushes and flanged coupling shall be used.
- 6.1.33 Except where provision is made for fastening, conduits shall be saddled to the structure of the building within 15 cms of each terminal angle box, bend or other conduit fittings, and at interval not greater than 1.5 meters couplings and through fittings, and at intervals not greater than 15 meters couplings, and through type draw boxes shall be counted as part of a straight run conduit.
- 6.1.34 Non - metallic conduit shall not be used where exposed to outside ambient temperature, where it may be affected by chemicals to cause deterioration in its construction, in plant rooms, lift motor rooms and lift shafts.
- 6.1.35 All conduit accessories shall be of substantial sections and of the same quality as the conduit itself.

6.2 FLEXIBLE CONDUITS

- 6.2.1 Flexible conduits shall not be used for fixed wiring installation in full.
- 6.2.2 The maximum length of a flexible conduit run shall be 2.5 meters