

SECTION - 6

INSTALLATION OF CONDUITS, TRUNKING, TRAYS & ACCESSORIES

6.1 TRUNKING AND CONDUITS

- 6.1.1 The type and material of the trunking and conduits shall be selected appropriately to suit individual site locations to comply with Regulations specified in clauses 4.3 under section 4.
- 6.1.2 The trunking and conduit wiring installations shall be carried out in a neat, orderly workmanlike manner with purpose made accessories such as inspection bends/tees, terminal/draw in boxes, etc.
- 6.1.3 As far as possible, the trunking and conduit runs from the electrical switch room/s to the individual consumer DB/s shall be routed only within common electrical service routes & riser ducts.
- 6.1.4 Long trunking and conduit runs from the electrical switch room/s located on ground floor to consumer DB/s located on upper floor/s shall be avoided and armoured cables shall be installed in cable trays.
- 6.1.5 Cable trunking may be used for housing single core PVC cables at special situations, where installation of conduits is difficult due to space limitations.
- 6.1.6 Trunking and wiring conduit installation which are surface exposed shall, as far as possible, have straight runs with branches at right angle only.
- 6.1.7 Draw-in boxes shall be provided in all straight conduit runs exceeding 15 meters. Conduit runs having '90o bends' shall be provided with draw in boxes for every 2 bends.
- 6.1.8 Trunking and conduit shall be completely installed before any cable is drawn in.
- 6.1.9 Draw-wires shall be provided in all concealed conduits (and ducts) with the ends left free at the outlet boxes for pulling the wiring cables.
- 6.1.10 All the trunking and conduit runs shall be free from sharp edges and burs throughout their lengths. Suitable grommets and bushes shall be provided at the terminal outlets.
- 6.1.11 The trunking and conduit runs shall be supported at regular intervals and the number of cables that may be installed in trunking shall suitably be selected as recommended in Appendix-11 & 12.