

- 6.2.3 Metallic Flexible conduits may be used for connecting electrical motors and other equipment subject to adjustment of position and vibration to the fixed wiring
- 6.2.4 Flexible conduits shall only be run exposed and shall be so positioned that they are not susceptible to mechanical damage. Wherever necessary flexible conduits shall be adequately supported.
- 6.2.5 The end of flexible conduits shall be securely anchored to the fixed conduit or equipment to which it is attached by approved flexible conduit adaptors that maintain effective mechanical continuity securely in position without distorting it.
- 6.2.6 The flexible conduit shall not be used as part of the earth conductor. A separate earth conductor shall be installed to comply with the same requirements for rigid conduit installation.

### **6.3 CABLE TRAYS**

- 6.3.1 Trays for supporting cables are recommended for use in warehouses, industrial plant and equipment room, cable trenches, shafts in buildings, etc.
- 6.3.2 The type and material of the cable trays shall be selected appropriately to suit individual site locations, and complying with Regulations specified under section 4 of this regulation.
- 6.3.3 The cable trays shall be supported at regular intervals with purpose made supports and the number of cables installed in the trays shall suitably be selected as recommended in Appendix-11 & 12.
- 6.3.4 Cable trays installed in outdoor locations, wherein the cables are exposed to the sun shall be provided with sun-shade covers, secured to the trays, with adequate ventilation and as recommended by the manufacturers.
- 6.3.5 Cables shall be fastened securely by purpose-made clips, cleats or saddles at spacing as recommended in Appendix-11. Cable ties shall not be used to support multicore cables installed on cable trays fitted vertically.
- 6.3.6 Cable trays shall not be used in locations where they will be subjected to severe physical damage.
- 6.3.7 Sufficient space shall be provided and maintained around cable tray to permit adequate access for installing and maintaining the cables.
- 6.3.8 Cable tray systems, cable ladder systems and their fittings shall comply with BS EN 61537.