

1.3.31.11 Trunking System

Trunking systems shall be obtained from one manufacturer. It shall be complete with purpose made angles, tees, covers, connection sleeves etc. and shall be dimensioned to accommodate the cables foreseen but not less than 50 x 50 mm. The material used shall be hot dipped galvanised profiles. Each length of trunking shall be fitted with a screwed on, easily removable cover. Continuous earthing shall be provided.

1.3.32 Cable and wires Field tests**1.3.32.1 DC High Voltage**

DC High Voltage test shall be carried out, injecting 3.5 KV between phase to phase and 7.0 KV between core and armoured, after isolating the cable, for one minute.

1.3.32.2 Insulation Test

Insulation test with 500 Volts insulation tester shall be carried out between cores and cores & the earth, the result shall be as specified by the manufacturer

1.3.33 Small Power and Lighting**1.3.33.1 Distribution Boards**

- A. The distribution boards shall be totally enclosed metal clad pattern manufactured in accordance with BS EN 60439 using manufacturer standard type tested assembly facilitating plug in fixing / removing of MCB, RCCB/MCCB and shall be IP 54 class equipped with:
- a. MCCB incomer as per drawings
 - b. 4 pole ELCB 30/100 mA as per ADDC prevailing requirements
 - c. Pan type busbars assembly
 - d. neutral terminal block
 - e. earth terminal block
 - f. 1 or 3 pole miniature circuit breaker for outgoing circuits
 - g. There shall be two sections in Distribution board, one for lighting protected by 30mA and other for 100mA for sockets. All other equipment as per size of leakage protection required shall be maintained in these sections.
- B. Single phase consumer unit shall be of IP class 31, equipped with