

- E. The mains horizontal busbars unless specified otherwise shall be located on the top of the assembly.
- F. Vertical busbars shall be fully encapsulated enclosed in a separate chamber located approximately 350 – 400 mm from the front of the column.
- G. Bus bars connections shall be identified by phase colour marking and adequately supported by suitable supports designed to withstand the full fault capacity as specified herein.
- H. Connections from the main bus bars to MCCB's controlling main motor starters and outgoing distribution feeder shall be via solid copper bus bars and NOT cables.
- I. Bolted copper bus bar links shall be provided where specified and shall be used for maintenance purposes only. The link section shall be easily accessible from the front or top of the board and shall have a lockable cover. Provision for storing the links nuts and bolts shall be made in the switchboard.

#### **1.3.11.19 Cable Terminations**

- A. All terminals for outgoing connections shall be located at a low level in the compartment adjacent to the cable gland trays. Direct termination on equipment such as Distribution Board Fuses or Miniature Circuit Breakers (MCB's) is not acceptable
- B. All live terminals shall be fully shrouded by using high-grade high temperature material.
- C. All cable entries shall be affected using copper cable glands to IP rating as specified.
- D. Cables shall enter assemblies through detachable steel or aluminium/brass (for single core cables); gland plates fitted at least 200 mm above finished floor level.
- E. Gland plates shall be rust-proofed and provided with a welded and bonded earthing stud, and adequately sized to accommodate present and known future cabling requirements. Access to both sides of each gland plate when it is in position shall be possible from within the assembly. Cables shall enter at the top or bottom of assemblies as specified.
- F. Cableways shall be provided to ensure that apart from inter -connections no cable routed to one cubicle shall pass through any other cubicle.