

3.4.1 Consolidation Cabinet – To serve customer premises (Apt/ Villa/ Office /Retail) with up to 8 loaded port with CAT6 requirement

Minimum internal dimension 12U, 450mm X 150mm (H x W x D) depending on the unit size and telecom requirement and subject to building drawing approval stage:

- a)** Concealed in the wall with the front of the cabinet flush with the wall;
- b)** Located in an accessible area inside the customer premises close to the entrance and not inside the kitchen, pantry, wash room, laundry room or bedroom;
- c)** Install at height of 600mm to 1200mm according to site conditions (between finished floor level and the bottom edge of the cabinet);
- d)** An adequate safe working space around the location;
- e)** Adequate lighting;
- f)** Not close to the sources of water or heat;
- g)** Not close to any electrical distribution or bus bars;
- h)** Adequate ventilation must be provided; minimum of one air change per hour;
- i)** Fitted with CAT 6 UTP Copper patch panel;
- j)** 24 number of CAT6 Cables or less per tenant;
- k)** Fibre terminal box fitted with 2 port of LC/APC adaptor & pigtailed and with 2 port of SC/APC adaptor & pigtailed for 4 core SM fibre drop cable termination. Refer to the Appendix 1 figure 16.
- l)** Lockable front door;
- m)** Horizontal cable management for unshielded twisted pair (UTP) patch cables;
- n)** Sufficient cable entries to accommodate the incoming Fibre optic and UTP cables;
- o)** 13A dual socket must be provide inside consolidation cabinet with dedicated circuit breaker on the domestic supply and not loop with other power sockets;
- p)** Labelled with villa or floor/flat number.

Refer to the Appendix 1 figure 17 for home, office or retail consolidation elevation layout