

- The horizontal cable tray size must be 150mm x 50mm (HDRF) inside the building corridor to accommodate mobile-service antenna cables to provision IBS solution (GSM).
- Provide opening with 3" diameter PVC sleeve for all 1BR and above units as entry provision of GSM cables from Horizontal Containment in the common corridor.

3.5.6 Horizontal Containment – Within the Home/Villa/Warehouse

All UTP cables inside the home must run through PVC conduit with a minimum 25 mm diameter from the home consolidation point to each dual outlet. If more than one dual outlet is fed by a conduit, the size of the conduit may need to be uprated.

Intermediate PVC junction / pull boxes must be provided on individual runs that exceed 30 m. PVC junction /pull boxes must also be provided where an individual conduit run has a sharp change in direction.

The conduit boxes referred to above must have the following minimum internal dimensions:

- 300 mm x 300 mm x 150 mm (L x W x D)

3.5.7 Horizontal Containment – Groups of Towers

When a plot consists of a group of towers, all the requirements of a single tower still apply. Additional cable trays must be provided linking the main telecom rooms of the towers. One cable tray following minimum dimensions must be provided:

- 300 mm x 100 mm (W x H) with Heavy Duty Return Flange (HDRF)

This tray must be easily accessible in common areas to facilitate any future provision of additional cables. However, if these trays are in publicly accessible areas less than 4.8 m above the floor then the trays must be covered.

In case of no common basement level / podium level between a group of towers, then underground duct system must be installed in a ring topology (between the group of towers/buildings). Minimum of 2 way D100 (54 mm) ducts must be provided between the towers/buildings.