

The number of fiber cores required will be dependent on the number of tenant in each serving floor. The multicore fiber cable must be provided from the main telecom room to mini ODF (splice cabinet) inside the floor telecom room.

These multicore fibre cables must be continuous lengths free from joints, branches or patching from main telecom room to each mini ODF (splice cabinet) unit.

Location of multicore mini ODF (splice Cabinet) in high rise building must always start from 1st floor to cover maximum of three floors, or as per the design approval based on building units quantity and structure.

For example - mini ODF (splice cabinet) installed at 1st floor will cover the 1st, 2nd and 3rd floor. Next mini ODF (splice cabinet) location must be at 4th floor. This mini ODF (splice cabinet) will cover 4th, 5th and 6th floor, next mini ODF (splice cabinet) location must be at 7th floor and so forth.

Refer to **Appendix1- Figure 12** , **Appendix1- Figure 20** , **Appendix1- Figure 21** and **Appendix2- Table 3** for more details.

Multicore fibre cables must be directly spliced with 4 core SM fibre cables using mini ODF (Splice Cabinet) cabinet inside FTR. Multicore Fibers shall be extended from FTR to the main telecom room and directly terminated into Optical patch Panels , and these patch panels will be patched back to each operator's splitters, refer to appendix1- Figure 21.

For buildings with less than 256 units , Patch-Free Splitters shall be used for Etisalat, where the feeder cable is directly spliced with the splitters inputs and fixed in the splicing trays; while splitters outputs are spliced with the fiber pig tail cords and terminated in the Optical distribution patch Panels. refer to appendix1- Figure 22.

Minimum %25 spare fibres must be considered while calculating multicore fibre capacity for maintenance and additional service demands. All fibre optic cables shall be supplied, spliced, labelled and tested inside the main telecom room and floor telecom room.

3.7.5 Fibre Optic Cables – from mini ODF (Splice Cabinet) floor telecom room to consolidation point (CP)

The 4 core SM fibre cables must be provided from each CP unit to its respective mini ODF (splice cabinet) inside the floor telecom room.

These 4 core SM fibre cables must be continuous lengths free from joints, branches or patching from each CP unit to its respective mini ODF (splice cabinet) inside the floor telecom room.