

- Micro ducts shall be used for Air blown Micro-Cables laying Backward comply with ITU-T G.652 D;
- Tight buffer structure up to 12 fibre cores;
- Flexi tube (gel free) micro module cable/micro bundle cable from 24 Fibre cores and above;
- Jacket to be halogen free and flame retardant material (which is LSZH type);
- Fiber optic color coding shall be in accordance to EIA/TIA598-.

3.7.3 Fiber Optic Cables Requirements

For single or complex of villas/warehouses scenario the fiber optic cables will be provided by the Operators.

However, 4 core fiber terminal boxes shall be supplied and installed inside the consolidation cabinet by villa/warehouse developer. For all other building scenarios, fiber optic cables should be supplied, spliced, labelled and tested inside the main telecom room, inside the floor telecom room, and inside consolidation cabinet by the building developer. This should include the supply and installation of the following fiber optic cables and its related accessories.

Fiber Optic Cables - from Main Telecom Room to (CP) consolidation point (Direct Fiber)

Direct fiber installation can be applied typically in low rise buildings or complex of villas in a mixed use building development having a common MTR. The design should be based on building type, unit quantity and structure, subject to approval by the Operator.

The fiber optic cables must be provided, installed, terminated and tested by the building developer, as per the requirements from the Operator.

The fiber optic cables (i.e., 4 –core SM FOC) must be provided from the main telecom room to each consolidation point. The fibers must pass through the floor telecom rooms and must be continuous lengths free from joints, branches or patching.

3.7.4 Fiber Optic Cables – from Main Telecom Room to mini ODF (Splice Cabinet) floor telecom room (Multicore Fiber)

Multicore fiber installation can be applied typically in high rise buildings or wider buildings such as malls or other similar big establishments, based on building type, units quantity and structure.