# ODN Planning and Design

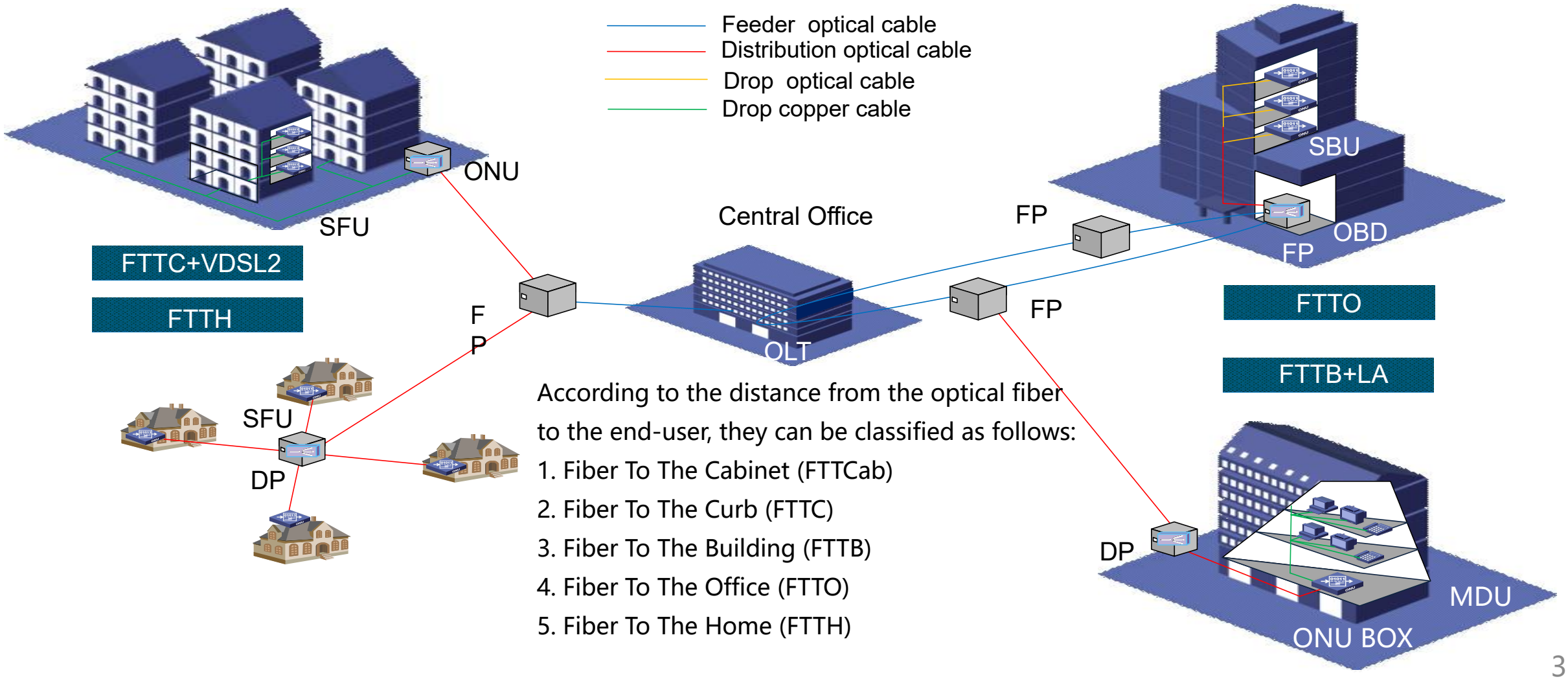
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# FTTx Access mode

FP : Feeder optical cable

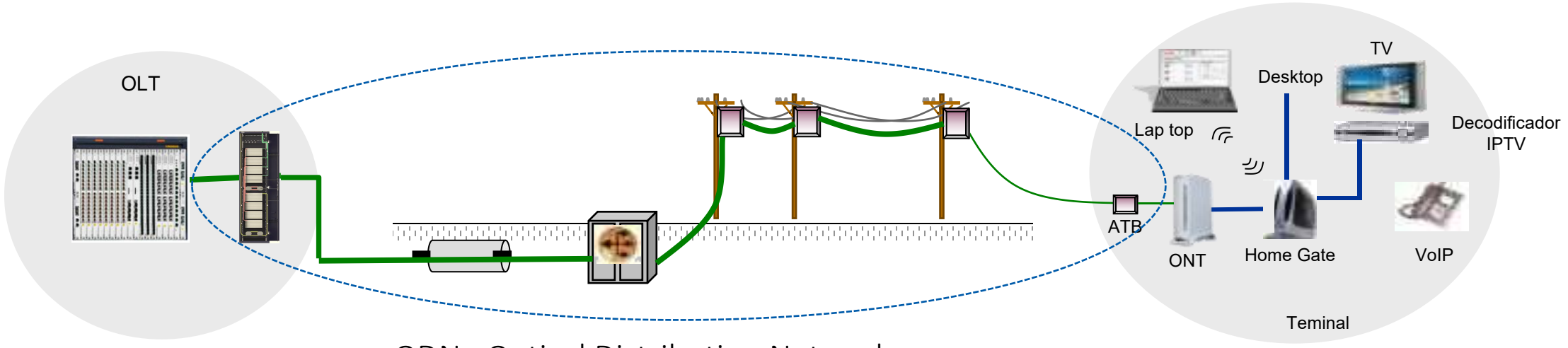
DP : Distribution optical cable




According to the distance from the optical fiber to the end-user, they can be classified as follows:

1. Fiber To The Cabinet (FTTCab)
2. Fiber To The Curb (FTTC)
3. Fiber To The Building (FTTB)
4. Fiber To The Office (FTTO)
5. Fiber To The Home (FTTH)

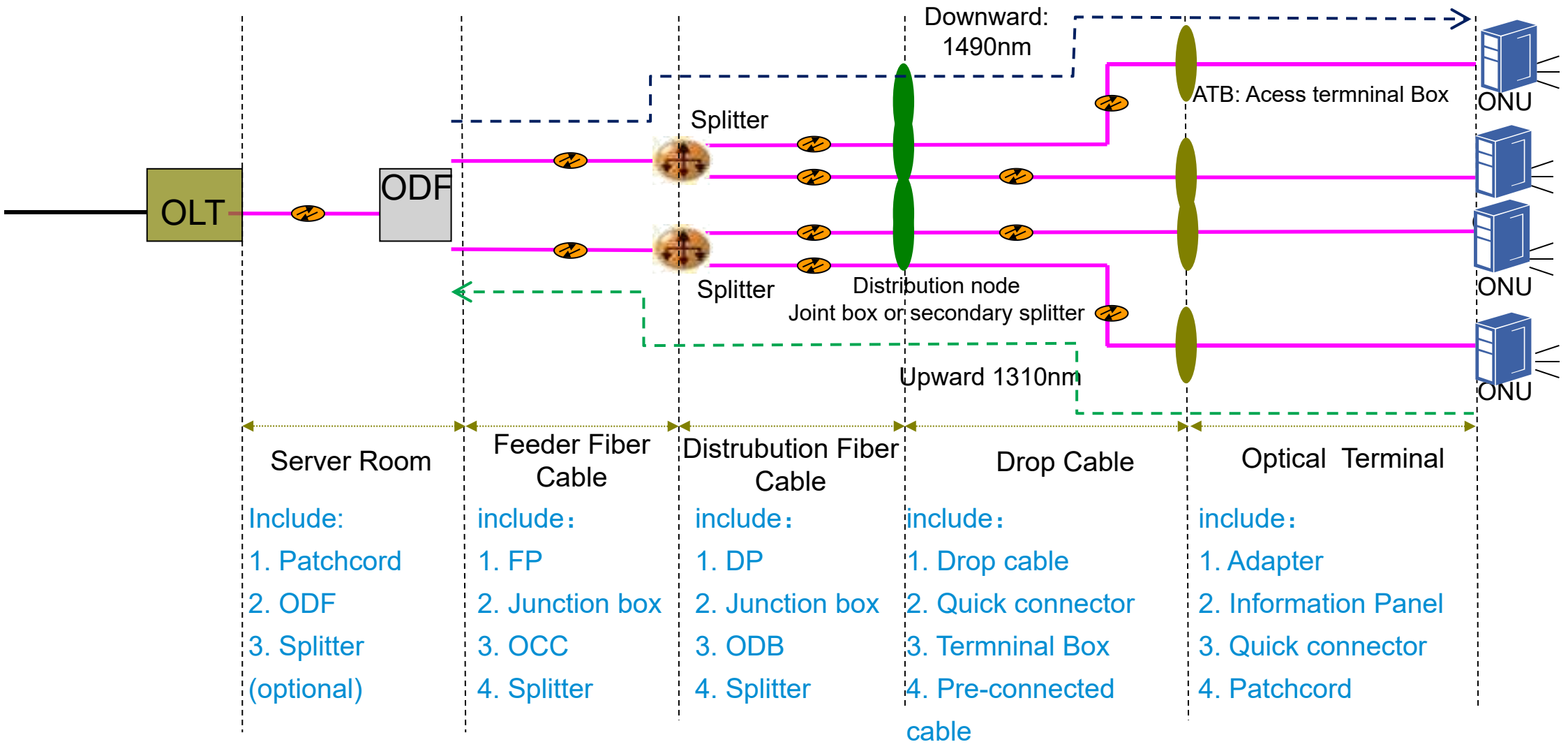
# ODN introduction




ODN : Optical Distribution Network

- The construction cost of ODN network is relatively high, up to 50% to 70% of the total
- ODN mostly adopts P2MP topology, and there are many connection nodes in the network, making network management complex.
- The optical fiber bandwidth is high and is not affected by electromagnetic interference.

# The five subsystems of ODN




Include:
1. Patchcord
2. ODF
3. Splitter (optional)

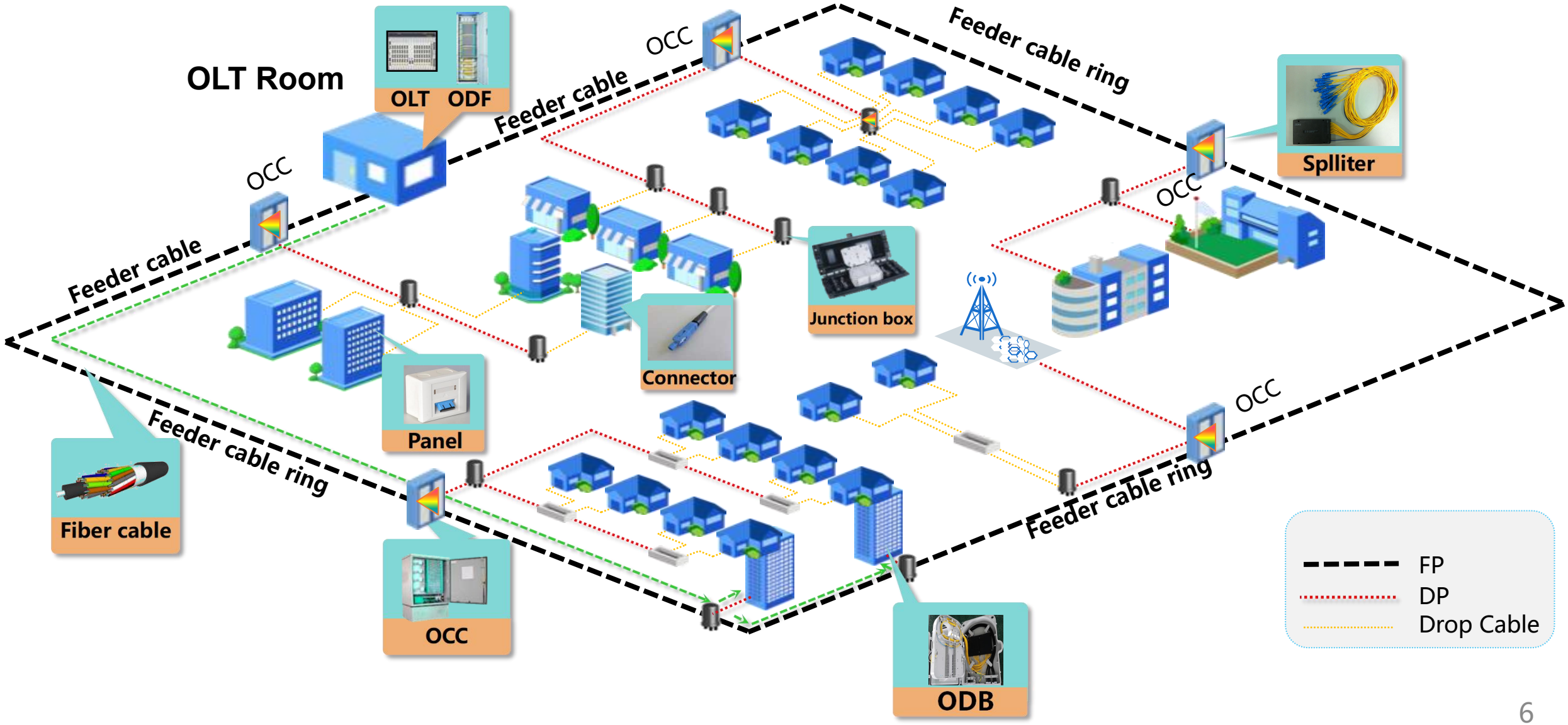
include：
1. FP
2. Junction box
3. OCC
4. Splitter

include：
1. DP
2. Junction box
3. ODB
4. Splitter

include：
1. Drop cable
2. Quick connector
3. Termninal Box
4. Pre-connected cable

include：
1. Adapter
2. Information Panel
3. Quick connector
4. Patchcord

# ODN Network topology and products



# For more learning Materials,please refer to

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