Micro-duct option can be used as following;

Vertical bundle of Micro ducts Risers to be laid to allow the Air Blown installation of Multi core fiber riser cables from the main telecom room to the floor telecom space, mobile- service rooms and roof-top rooms as following :

- Dedicated one way 8/12 mm Micro ducts with halogen free Jacket & flame retardant material (LSZH specification) shall be used to lay ecah single Multi core riser cable.

- %30 of laid bundle capacity shall be kept unused for future requirement.

- All Vertical Micro ducts to be extended from the MTR up to the Mini ODFs in: floor telecom space, mobile- service rooms and rooftop rooms.

- Final Micro ducts requirements/Bundles sizes shall be confirmed during building design approval stage.

Air Blown Fiber optic (ABF) system/ Micro duct & cabling system:

Air Blown fiber optic (ABF) system / micro duct & cabling is a cabling solution using fiber optic cables, blown through a ducting pipe. The main ducting pipe can have many micro ducts contained within it. A Coated "blow able" optical fiber is blown through a micro duct using compressed air. The fibers are lifted into the airstream and away from the wall of the micro duct, eliminating friction even around the tightest bends. It has been developed specifically to provide fast, efficient and flexible fiber distribution in the drop network. It consists of air blown fibers, micro ducts, duct joints and relevant accessories.

The Benefits

The benefits of blown fiber are simplified planning, cost effective solution, speed of installation, and is greener solution compared to other solutions.

Simplified Planning

The network installation works has to be done only once. When the ducting is in place the network can be expanded by simply blowing more fibers, or blowing the old fiber out and bigger fibers in. We are currently blowing a vast numbers of fibers into a single duct.