

# Splitter Network Topology Diagram

8-Port PLC Fiber Splitter Box

12-Port SC Fiber Splitter Box

Size: 235\*215\*75mm  
Material: ABS, IP65,



## Splitter Network Topology Diagram



The centralized splitter uses single-stage splitter located in a central office in a star topology. The cascading splitter approach uses multi-layer splitters in a point to multi point topology.



These various methods can be mixed in a network to best meet the performance and cost requirements for the network. The next document to be published on this topic will be a more comprehensive look ...



A basic diagram includes the OLT at the central office connected via optical fibers to an ONU/ONT at the subscriber's premises, often passing through a splitter.



Learn about optical splitter split ratios (1:N, 2:N), centralized vs. cascaded architectures, and how to choose the right setup for FTTH PON networks.



In a star topology, the Main Station is connected to a passive (Y) splitter such as an XLR Bulkhead or Mult-box. The units are then connected to the splitter point-to-point.



Splitter placement and split ratios strongly impact the location and amount of fiber required, and hence the cost of deployment. This is followed by a brief discussion of several designs.



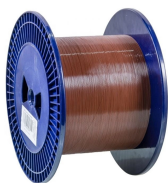
An example of topology with splitter placement with use of K-Means clustering algorithm.



A Passive Optical Network (PON) is a fiber optic technology utilizing point-to-multipoint topology and optical splitters to deliver data from a single transmission point to multiple user endpoints. Passive ...



Depending on the design, terms like "star", "bus", "branch", or "ring" may be used to describe a PON. The star topology is a natural for FTTP as it spreads out from a central splitter. Courtesy of Light ...



This drawing also defines the network jargon for cables: a "feeder" cable extends from the OLT (optical line terminal) in the CO (central office) to a FDH (fiber distribution hub) where the PON (passive ...

## Contact Us

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