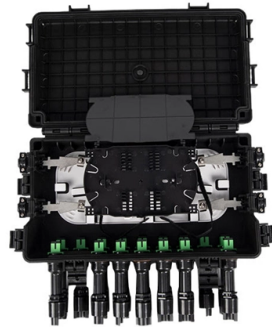


Optical Splitter Specifications and Models Table



Summary of Content

Optical splitters are passive devices that divide a single optical signal into multiple outputs, available in FBT and PLC types with various split ratios and packaging options for FTTH and PON networks.

Types of Optical Splitters

1. FBT (Fused Biconical Taper) Splitters

- Low-cost, ideal for small splits such as 1:2 or 1:4
- Suitable for short-distance or small-scale deployments

2. PLC (Planar Lightwave Circuit) Splitters

- Highly uniform signal splitting, preferred for large splits like 1:32 or 1:64
- Compact, ruggedized packaging for outside plant (OSP) use
- Bend-insensitive single-mode fiber reduces loss in tight-radius installations
- Compatible with GPON, XGS-PON, NG-PON2, BPON, EPON, and RFoG networks

Split Ratios and Architectures

- Split ratios define how many outputs a single input is divided into, e.g., 1:2, 1:4, 1:8, 1:16, 1:32, 1:64, and some odd ratios like 1:3 or 1:5
- Each doubling of the split ratio reduces output power by roughly 3 dB

Article Content

Optical Splitters for Central Office/Headend

CommScope offers a portfolio of bare and connectorized splitters/couplers in a wide range of styles and split ratios, and splitter

Optical Splitters – PPC Broadband | Product Catalog

PPC Optical Splitters are available for symmetrical splitting into 2, 4, 8, 16, or 32 divisions and can be cascaded to spread out splits

OPTICO1x128 PLC Splitter Datasheet

Planar lightwave circuit (PLC) splitter is a type of optical power management device that is fabricated using silica optical waveguide

Planar Light Circuit (PLC) Optical Splitters

Corning's Planar Light Circuit (PLC) splitters are fully passive optical branching devices that exhibit uniform signal-splitting for the

Ficha_Splitters

Cassette splitter is the most commonly used in the PON networks, and it has the complete protection for inner optical components

Ultimate Guide to Optical Splitters for FTTH & GPON

Master optical splitter selection for FTTH & GPON networks. Compare PLC vs FBT, analyze insertion loss charts, and

FTTH Optical Splitter Technical Specification

The data and original catalogs on the structure, specifications tolerances, and installation and methods of each materials shall be

ABS Module PLC Fiber Splitter Data Sheet | FS

With its compact structure, stable optical characteristics, robust performance and reliable certification, FS PLC splitter solutions

Bare Fiber PLC Fiber Splitter Data Sheet | FS

FS Bare Fiber Splitters are engineered for high-density networks, offering exceptional scalability and reliability. FS PLC splitters

Optical-PLC-Splitter-Specification

Each Splitter will be conditioned by unit. The Splitter is maintained in the packaging and the fibers are arranged by respecting the

Contact Us

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