

Article Overview

PLC splitters typically cost between \$20 and \$200, depending on specifications and quality.

Price Range and Factors

The cost of a PLC splitter varies primarily based on the splitting ratio, insertion loss, and manufacturing quality. Entry-level splitters, such as 1x2 or 1x4 models, are generally at the lower end of the price range, around \$20-\$50, while high-port-count splitters like 1x32 or 1x64 can reach \$150-\$200 due to more complex internal circuitry and higher performance standards. Premium models offer enhanced signal uniformity, lower insertion loss, and better environmental stability, which can justify the higher cost.

Types and Packaging

PLC splitters are available in various packaging options, including ABS boxes, LGX modules, and steel tube packaging, with different connector types such as SC, FC, LC, or ST. The choice of packaging and connectors can slightly affect the price, especially for high-density or outdoor applications.

Considerations for Purchase

When selecting a PLC splitter, consider:

- o Splitting ratio: Higher ratios reduce signal strength per output, which may require higher-quality splitters to maintain performance.
 - o Network compatibility: Ensure the splitter matches your fiber type (single-mode or multi-mode) and connector standards (LC/APC, LC/UPC) for FTTH, PON, or data center applications.
 - o Reliability and durability: Investing in quality splitters can reduce maintenance costs and improve long-term network performance.
 - o Application environment: Outdoor or industrial environments may require splitters with enhanced temperature and environmental tolerance.
- Overall, PLC splitters are a cost-effective solution for passive optical networks, offering scalable options for both small-scale and high-performance deployments.

BWNFiber manufactures 1x8 splitters in ABS box, LGX cassette, rack-mounted 19-inch 1U, bare fiber, and blockless

PLC Splitter Product Description: Planar lightwave circuit (PLC) splitter is fabricated using silica optical waveguide technology and

Choosing the right PLC splitter can reduce network deployment and maintenance costs while improving signal

Selecting the right PLC splitter is critical for network reliability, deployment efficiency, and future scalability. The appropriate splitter

Following these steps ensures your PLC splitter performs at optimal levels, maintains signal consistency, and PLC splitter provides a low-cost light distribution solution with high stability and reliability.

Compare FBT vs PLC fiber splitters: key differences in insertion loss, temperature range, cost & size. Find the right

A PLC splitter is a passive optical device that takes a single input optical signal and divides it into multiple output

PLC Splitters offer better performance for high split ratios, uniformity, and wavelength stability. FBT Splitters are more

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

Compare PLC Splitters and FBT Splitters for 2025. Learn about cost, performance, scalability, and which splitter suits

Discover a wide range of reliable fiber optic splitters. Our PLC and FBT splitters offer low loss and various

Comprehensive guide to PLC splitter pricing, featuring cost-effective solutions, quality-price comparisons, and long-term benefits for

FBT splitters still maintain relevance for cost-driven installations. But their fundamental constraints around

FS PLC Fiber Optic Splitters, Bare/Blockless/ABS/LGX Splitter/Rack Mount Types, support 1xN light distribution, with low IL and PDL

Power your fiber networks with high-performance PLC splitters. Global B2B manufacturer offering bulk optical splitting solutions with

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