

Prices of Common Optical Splitter Types



AI Overview

Optical splitters range from consumer audio splitters to professional fiber optic PLC and FBT splitters, with prices from under \$10 to several hundred dollars depending on type and channel count.

Consumer Audio Optical Splitters

Toslink Digital Audio Splitter (1x2): Connects one optical audio source to two devices, supports PCM, Dolby Digital, DTS, and LPCM formats. Durable PVC construction with gold-plated connectors. Price: around \$10–\$20.

1x3 Toslink Splitter: Splits one optical audio input to three outputs, suitable for home theater systems. Price: approximately \$15–\$25.

Professional Fiber Optic Splitters

LYNX OSP 1812 (2-channel, 50/50 split): Passive single-mode splitter, LC/PC connections, can be mounted in a ½ RU 19" rack. Ideal for system installations. Price: typically \$50–\$100 per module.

Thor Fiber F-PLC 1x4 Splitter: Single-mode fiber splitter for HD/SDI, RF, HDMI, and other signals. Rack-mountable, commercial-grade. Price: around \$150–\$200.

Thor Fiber F-PLC 1x16 Splitter: High-channel-count single-mode splitter for professional applications, supports multiple SC/APC fiber outputs. Price: \$400–\$600 depending on vendor.

PLC (Planar Lightwave Circuit) Splitters

PLC Splitters: Evenly distribute optical signals from one input to multiple outputs (up to 32 channels). Compact, wavelength-insensitive, suitable for GPON, EPON, and FTTH networks. Price: \$20–\$50 for low-channel splitters (1x2, 1x4), \$100–\$300 for higher-channel splitters (1x16, 1x32).

FBT (Fused Biconical Taper) Splitters

FBT Splitters: Traditional fiber splitters, lower cost for small channel counts, but less uniform distribution than PLC. Price: \$10–\$40 for 1x2 or 1x4 splitters.

Key Considerations

Split Ratio: Determines how optical power is divided (e.g., 50/50, 70/30).

Channel Count: More channels increase cost but allow broader distribution.

Application: Consumer audio splitters are inexpensive and plug-and-play, while telecom-grade PLC and FBT splitters are designed for network reliability and high-fidelity signal distribution.

Packaging: Rack-mountable modules are common in...

Article Content

The Best Buy Fiber Optic Splitter Guide(2026)

Choosing the right splitter ensures stable signal distribution, minimizes optical loss, and supports long-term scalability of the network. This comprehensive guide explains how optical splitters work, what

Optical Couplers and Splitters: Best Picks for 2025

How To Choose Optical Couplers and Splitters? Selecting the right optical couplers and splitters requires careful consideration of technical specifications aligned with your network architecture.

FIBERONE: Fiber Optic Splitter Overview | 2026

What are the different types of fiber optic splitters? As you've probably realized, there are many variations of fiber optic splitters, distinguished along a variety of categorical lines.

Comprehensive Guide to Optical Splitters

An optical splitter is a crucial passive fiber optic device that splits and combines optical signals. It can distribute the optical energy transmitted through a single fiber to two or more fibers in a

Optical Fiber Splitter Types — Complete Guide | TTI Fiber

This guide covers what optical fiber splitters are, the main types of optical fiber splitters you should know about, how to pick the right one, and how to install and maintain it properly.

Types of Fibre Splitter

At present, there are fibre splitters mainly five common packaging types: bare fibre optical splitter, blockless fibre splitter, ABS module fibre splitter,

Optical Splitters Demystified: The Silent Heroes Powering Your FTTH ...

There are two main manufacturing technologies for optical splitters, each with its own advantages and ideal use cases. The choice between them depends on your application requirements.

Types of Optical Fiber Splitters You Should Know About

If you're diving into the world of fiber optic networking — whether for your home, office, or small business — you've probably come across the term optical fiber splitter. Understanding what it

Fiber WDMs, Combiners, Splitters and Couplers

Within OZ Optics' series of beamsplitters and combiners, the two most common types of splitters offered are polarizing beamsplitters and polarization maintaining (PM) beamsplitters.

What are the types of splitters? How to choose a splitter?

As the most core passive optical device in the construction of fiber to the home (FTTH), optical splitters are used to ensure communication links, which is important equipment for normal

Understanding Fiber Optic Splitters: Principles, Parameters, Types ...

The common types of fiber optic splitters include the planar waveguide splitter, tree-like splitter, star coupler, and Wavelength Division Multiplexing (WDM) splitter.

Optimize Your Selection: A Guide to Choosing the Right Optical Splitter

Choosing the right optical splitter can be confusing with so many options available. This guide will simplify the process and provide valuable insights to help you make the best decision.

Your Go-to Guide to Optical Splitter

Fiber Optic Splitter Types Optical splitters can be classified into several types from different aspects. Here, we list some common aspects & types. Categorized by Port Configuration

Introduction To Fiber Optic Splitter Types

2. Fiber optic splitter types by packaging and application PLC splitter has excellent optical performance, high stability and high reliability, and can be widely used in the PON networks. PLC

Fiber Optic Splitters

Fiber optic splitters enable a signal on an optical fiber to be distributed among two or more fibers. Since splitters contain no electronics nor require power, they are an integral component and widely used in

Best Optical Splitter Types for Global Buyers in 2026?

This bar chart illustrates the projected market share of various optical splitter types in 2026. The 1x4 and 1x2 splitters are anticipated to dominate the market, reflecting their versatility and widespread

Best Optical Splitter Types for Global Buyers in 2026?

Optical splitters are crucial for fiber optic networks, enabling signal distribution across multiple paths. There are various types of optical splitters commonly used today, each with unique features.

Types of Fiber Splitters

A fiber optic splitter is a fiber optic passive device that splits/combines optical signals, and generally separates or combines optical signals of the same wavelength. According to the different

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Optical Coupler

Optical couplers (or splitters) are photonic devices enable of dividing an optical signal from one port to other ports, as shown in Fig. 4.8. A commonly used configuration has one input and two outputs

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Common questions Review answers to common questions, including: What is a fiber optic splitter? How does a fiber optic splitter work? What applications are fiber optic splitters used for? What are the

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