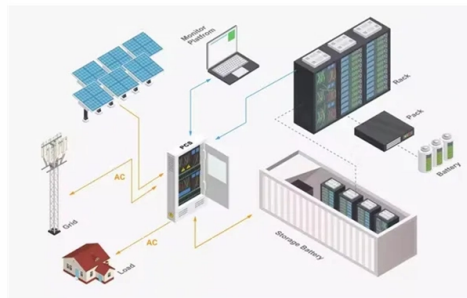


# How much does an insert-type optical splitter cost



## Overview

Modern PLC splitters typically range from \$20 to \$200, with pricing primarily influenced by the splitting ratio (1:2, 1:4, 1:8, 1:16, 1:32, or 1:64), insertion loss specifications, and manufacturing quality. Minimizing insertion loss from the optical splitter is crucial for conserving the power budget of a PON system. The table below illustrates typical losses for fiber couplers. Non-uniform splitters are custom-manufactured, so they cost 2–3x more than uniform splitters. Choosing the right split ratio depends on three interrelated factors: distance, bandwidth demand, and cost.

com Hot Sale Product: PLC Optical Splitters (1x2 to 1x64) Product Range: PLC splitters. Optical splitters and couplers split or combine light—distributing signals injected into a single fiber strand to multiple fibers, enabling point to multi-point communication in Fiber To The Home (FTTH) networks based on ITU. T PON standards such as GPON, XGS-PON and new 25 and 50G standards. This guide delivers hands-on advice to help readers implement network expansion affordably and efficiently, transforming limited resources into scalable connectivity.



## Article Content

Apr 27, 2026

Basic Knowledge about Split Ratio and Insertion Loss of

Optical splitters play a crucial role in Fiber to the Home (FTTH) Passive Optical Network (PON) systems, efficiently distributing a single optical

Feb 18, 2026

Fiber Optic Cable Pricing Guide: Factors That Affect

Fiber optic cables are essential components in today's broadband, FTTx, and data center networks. Whether you're planning a national fiber rollout

May 27, 2026

Best Optical Splitter Comparison

SPDIF AUDIO SPLITTER: The toslink digital optical adapter supports Digital 5.1CH Dolby-AC3, DTS, PCM, LPCM2.0, ADAT, 32kHz, 44.1kHz, 48kHz and 96kHz. NOTE: The audio

Aug 20, 2025

Insert Type Fiber Optic Splitter 1X2 Optical Splitter Price Sc APC

With 3 factories and more than 300 employees now, Wolon specialize in outdoor and indoor fiber optic cable, optic patch cord, PLC splitter, SFP+ transceiver modules, and CWDM/DWDM multiplexers,

Sep 30, 2025

Top 10 Hot Sale Optical Splitter Fiber Brands in 2025

Below, you'll find detailed insights on 10 top brands dominating the optical splitter fiber market today, including what they offer, their product range, and typical price points.

Sep 27, 2025

Do You Know How to Place and Use the Optical Splitter?

In the realm of optical communication networks, the optical splitter serves a vital role in dividing and distributing optical signals efficiently. Understanding how to properly place and use an

Jul 20, 2025

What Is an Optical Splitter?

What's an optical splitter? How does the fiber optic splitter work? How many fiber splitter types? How to choose the right fiber splitter? Find the answers

Dec 18, 2025

### Fiber Optic Splitter: How It Works & Types Guide

This guide demystifies fiber optic splitters, explaining their design, operating principles, types, key specifications, and real-world applications.

Oct 19, 2025

### Your Go-to Guide to Optical Splitter

The optical splitter is an optical power distribution device that splits one optical signal into multiple optical fiber signals to achieve multichannel transmission.

Nov 16, 2025

### 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 modules for inside plant (ISP) and

Feb 24, 2026

### Fiber Optic Splitters for PON Networks: 2025 Guide

According to the Broadband Forum, PLC splitters are essential for achieving scalable and cost-effective GPON and XGS-PON deployment in

Jun 27, 2025

### Sourcing PLC Splitter: A Complete Buyer's Guide

Learn everything about PLC Splitter: what they are, how they work, and how to source the right one for your network. Complete buyer's guide.

Mar 07, 2026

### PLC Splitter Pricing: Cost-Effective Solutions for Fiber Optic Networks

Modern PLC splitters typically range from \$20 to \$200, with pricing primarily influenced by the splitting ratio (1:2, 1:4, 1:8, 1:16, 1:32, or 1:64), insertion loss specifications, and manufacturing quality. The

Aug 12, 2025

### Hanutech 1x16 SC/UPC Cassette Card Inserting PLC

Hanutech 1x16 insert type PLC Splitter. The interface type is SC/UPC, fast and practical. Applicable to home wiring, engineering projects, corporate companies,

Jan 11, 2026

### PLC Splitter Pricing: Cost-Effective Solutions for Fiber Optic Networks

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

Apr 01, 2026

### How to Calculate Splitter Loss in Optical Fiber

Calculating splitter loss in optical fibers is essential for designing efficient optical networks. Understanding the types of splitters, their impact on

Jun 14, 2026

### Fiber Optic Splitters – Selection Guide for FTTH Networks

Learn how to choose the right fiber optic splitter for FTTH and FTTX deployments. Compare PLC splitter ratios, packaging types, and installation options.

Nov 11, 2025

### Fiber Optic Splitters | PLC & FBT Optical Splitters

Discover a wide range of reliable fiber optic splitters. Our PLC and FBT splitters offer low loss and various split ratios for FTTH, PON, and CATV networks.

Feb 01, 2026

### PLC Splitter SC/UPC 1\*8 Insert Type

PLC Splitter SC/UPC 1\*8 Insert Type Overview Planar Lightwave Circuit splitter is an important passive optical device that divides optical power equally, which is

Jul 26, 2025

### What is Fiber Optic Splitter and Types

This post provides an introduction to fiber optic splitters, their types, functions, and several popular Gcabling optical PLC splitters.

Jun 23, 2026

### Fiber Optic Splitters – Selection Guide for FTTH Networks

According to Lightwave Online, FTTH growth is accelerating demand for high-performance passive fiber splitters worldwide. Whether you're deploying

Sep 17, 2025

### How to Calculate Splitter Loss in Optical Fiber

As an expert in fiber optic technology at SDGI Cable, we highlight the importance of precision when designing an optical network. Our goal is to eliminate confusion around fiber optic

Jul 17, 2025

Hanutech 1:16 SC/APC Fiber Splitter Casette Style, FTTH 1X16

Hanutech 1x16 insert type PLC Splitter. The interface type is SC/APC, fast and practical. Applicable to home wiring, engineering projects, corporate companies, fiber optic LAN.

Oct 18, 2025

Fiber Optical Splitters | Optical Distribution Network

Fiber optic splitters offer a cost-effective, practical solution by dividing a single fiber line into multiple outputs. This guide delivers hands-on advice to help readers

Aug 20, 2025

WordHTML

WordHTML - Online Converter, Editor and Cleaner Free online Word to HTML converter with built-in code cleaning features. Open, edit and save Word

Apr 21, 2026

What is Fiber Optical Splitter? Which Parameters Affect Its Function

The optical splitter distributes the transmitted optical signal in one optical fiber to multiple optical fibers. There are many types of distribution,  $1 \times 2$ ,  $1 \times 4$ ,  $1 \times N$ , or  $2 \times 4$ ,  $M \times N$ .

Feb 22, 2026

Amazon : EMK Optical Splitter 1x2

Product Description EMK Optical Splitter 1 in 2 Out Fiber Optic Audio Splitter [1 Male Input 2 Female Output] 1x2 Toslink Optical Adapter TOSLINK OPTICAL

Apr 07, 2026

Beam Splitters - Buying Guide & Supplier List | RP

Beam Splitters - Buying Guide & Suppliers Use this beam splitters buying guide to compare major types, define selection criteria, and find suppliers:  Technical

Jun 05, 2026

Optical Splitters: Split Ratios, Splitting Architectures & PON Network ...

Non-uniform splitters are custom-manufactured, so they cost 2-3x more than uniform splitters. They also require careful planning to avoid overloading nearby ports or starving distant

## Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://piano-lessons.co.za>

Email: [info@piano-lessons.co.za](mailto:info@piano-lessons.co.za)

Phone: +31 6 37258914

Address: Herengracht 123, 1015 BT Amsterdam, Netherlands

This document is for informational purposes only. Specifications subject to change without notice.

