

1 to 16 optical splitter telecom grade



Article Overview

A 1×16 telecom-grade optical splitter is a Planar Lightwave Circuit (PLC) device that evenly splits a single optical signal into 16 outputs, ideal for FTTH and PON networks.

Overview

A 1×16 PLC splitter is a compact, high-performance device used in modern fiber optic networks to distribute a single optical signal to 16 separate endpoints. It is widely deployed in passive optical networks (PON), FTTH systems, and cable television (CATV) networks, enabling efficient and scalable signal distribution for residential and enterprise applications .

Technology

- **Planar Lightwave Circuit (PLC):** Unlike traditional fused biconical taper (FBT) splitters, PLC splitters use a semiconductor-based planar waveguide to divide the optical signal evenly. This ensures uniform splitting, low insertion loss, and high stability across all output ports .
- **Fused Fiber Couplers vs PLC:** Fused couplers rely on coupling light between fiber cores, while PLC splitters operate as a continuous waveguide, providing more consistent performance and better environmental stability .

Key Specifications

- **Wavelength Range:** Typically supports 1260–1650 nm, covering both 1310 nm and 1550 nm bands used in telecom networks

Article Content

Feb 28, 2026

1×16 Blockless Fiber Optic Splitter

This 1×16 mini type PLC fiber optic splitter has a steel tube package that can provide strong optical fiber protection. And the splitter

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Fiber optic PLC splitter 1×16 SC/APC

Fiber optic PLC splitter 1×16 SC APC either called blockless type PLC splitter is a type of optical product

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Rack Mounted PLC Optical Splitters | FTTX | CCS

Optical splitters play an important role in Fibre-to-the-Home (FTTH) networks by allowing a single PON interface to be shared among

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Optical Splitters for Central Office/Headend

CommScope offers a portfolio of bare and connectorized splitters/couplers in a wide range of styles and

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Steel Tube 1X16 PLC Fiber Optic Splitter

Steel Tube 1X16 PLC Fiber Optic Splitter Sinocomms manufactures various types of Optical Fiber Splitters, including stainless steel

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Fiber Optic Cable Splitters | PLC, LGX & More | Multilink

Our digital optical splitters meet Telcordia GR-1221, Telcordia GR-1209 and G.657A1 industry specifications. Custom Design Options

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1 X 16 SC APC Singlemode PLC Splitter | Fiber Optic Splitter

This 1 X 16 SC APC Singlemode Fiber Optic PLC Splitter LGX Cassette allows you to take 1 single strand of singlemode fiber and

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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

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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

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1x16 Plug-in PLC Splitter SC/APC 0.9mm SM – Topfiberbox

This 1×16 plug-in cassette type PLC splitter is with plug-in-play design which enables fast deployment of fibers without splicing

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Planar Waveguide Optical Splitter (1×16) | FIBERONE

Precision Performance in High-Density Packages Splitting a signal sixteen ways requires extreme precision to ensure every end-user

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1x16 PLC Splitter for FTTX, MDU & GPON

A 1×16 PLC Splitter is a compact and reliable solution that splits one input fiber into 16 output fibers with

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Type of Splitters for FTTH

Type of Splitters for FTTH : In this article, I will discuss about fiber optic splitters that widely used in FTTH network. A

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

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

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1x16 Single Mode Fiber Optic Splitters

Thorlabs" Single Mode 1x16 Fiber Optic Planar Lightwave Circuit (PLC) Splitters allow a user to split a

Jul 07, 2026

1x16 PLC Splitter for FTTX, MDU & GPON

A 1×16 PLC Splitter (Planar Lightwave Circuit Splitter) is a passive optical device used to evenly distribute or combine optical signals

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1x16 PLC Fiber Optical Splitter 1U Rackmount

1x16 Fiber PLC Splitter with 1U 19 Rack Mount QuestTel PLC splitters are used to distribute or combine optical signals. PLC splitter

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ABS PLC Splitter 1x16 Optic Splitters SC APC Price & Datasheet

ABS PLC Splitter 1×16 Optic Splitters SC APC Planar waveguide light optical distributor (PLC Splitter), is a kind of

Aug 09, 2025

PLC-S-116 1x16 Steel tube fiber optic PLC Splitter

The 1×16 Steel tube PLC Splitter devices have high performance in terms of low insertion loss, low PDL,

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1*16 SC APC Fiber Optical Mini Steel Tube PLC Splitters For EPON

16 way fiber optic plc splitter for epon gpon system, spring optical high quality products with anatel certifications, Hot selling in Brazil

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PLC-S-116 1x16 Steel tube fiber optic PLC Splitter

The 1x16 Steel tube PLC Splitter devices have high performance, over a wide wavelength range from 1260nm to 1650nm, and work

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FMC Telco B2B | Optical Splitter

Fiber optic splitter in a ABS housing, m PLC 1x4 2,0mm, 1,0m, 1260-1650nm, SC APC standard SHF- connectors High-quality micro

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Optical Splitters

Splitters used in a GPON system are passive (meaning they aren't powered), and bi-directional, allowing light to travel in both

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Fiber Optic Splitter Manufacturer | PLC & FBT Splitters

At Spring Optical, we provide a complete range of fiber optic splitters including: PLC Splitters (Planar Lightwave Circuit) Optical Fiber

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1x16 plc splitter

Telhua's 1x16 PLC splitter delivers high-density, reliable fiber optic signal distribution with IEC/TIA/EIA

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LW-OSB-16C Optical Splitter Box

Linkwell provides Optical Splitter Box made of high quality PC and ABS plastic alloy from 2 fibers to 64 fibers splitting. LW-OSB-16C

Contact Us

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