

32-channel optical splitter in convergence layer



Overview

The optical splitter uses a planar light wave circuit (PLC) based on silica optical waveguide technology. Scalable capacity (cost), minimum components for multiple configurations Multiple mounting options Mounts aerially (on strand), in pedestals (low-profile and vertical), on poles and walls Internal splicing Cassettes serve as connector panels/splice trays and eliminate external closure and prep. The GFT4032 is a passive Optical Splitter designed for use in optical network. The GFT4032 is 19", 1U rack mountable compact packaging. The PLC splitters shall be available in 1X4, 1X8, 1X16, and 1X32 configurations, with an option for either bare-fiber or pre-connectorized with SC-APC pre-polished connectors. Each splitter module features connectorized inputs. The OptiSheath® MDU Splitter Terminal is a rugged, low-cost, low-profile interconnect between the central office feed and the indoor/outdoor drop cables for multidwelling unit applications.

Article Content

Sep 15, 2025

LS Series LCP Cabinet Splitter Modules 1x32

The compact yet robust LS Series splitter modules are available in multiple configurations (1x64, 1x32, dual 1x16, dual 1x8). Each splitter module features small form connectorized inputs and outputs with

Aug 26, 2025

Optical Splitter ULTIMODE SP-32B (PLC, 1:32, SC)

The optical splitter ULTIMODE SP-32B evenly splits the optical signal (beam) into 16 paths. The splitter is characterized by stable performance over the entire working band (1260-1650 nm). Its standard

Nov 22, 2025

Product Spec Sheet MDU04F3326C-UF00D1

MDU04F3326C-UF00D1 The OptiSheath® MDU Splitter Terminal is a rugged, low-cost, low-profile interconnect between the central office feed and the indoor/outdoor drop cables for

Dec 18, 2025

Understand GPON Technology

Usually 1:32 ratio. Optical Line Terminal (OLT) - Device that aggregates all optical signals from ONTs into a single multiplexed beam of light which is then converted into an electrical signal, formatted to

Nov 23, 2025

1x32 PLC Fiber Optic Splitter

The optical fiber splitter divides the fiber optic light into numerous sections at a specific ratio. The PLC splitter takes minimal distortion during usage due to its

Oct 24, 2025

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

Jan 09, 2026

TORS-032 Optical Rack Splitter

Product Number: 307931. PLC Splitter is an optical power management device featuring silica waveguide technology. * Every effort has been made to ensure information given on this website is

Dec 23, 2025

Numerical analysis of a compact all-fiber polarization beam splitter ...

Abstract Modern-day optical systems are evolving towards miniaturization and integration, leading to higher performance demands for polarizing beam splitters (PBSs). A simple-structure and

Dec 10, 2025

Local convergence points evolve | Lightwave Online

The local convergence point (LCP), in many respects, is the heart of the modern all-fiber access network (AFAN). It supports scaling of splitters, allows single

Dec 26, 2025

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

This guide focuses on two critical aspects of optical splitters that define FTTH performance: split ratios (how signals are divided) and splitting architectures (how splitters are

Dec 22, 2025

Understanding Fiber Optic Abbreviations

This document provides abbreviations and an overview of a fiber-to-the-home (FTTH) network installation. It describes the topology and components

Dec 05, 2025

MDU0000326C-BB00A1 | OptiSheath® MDU Splitter

The OptiSheath® MDU Splitter Terminal is a rugged, low-cost, low-profile interconnect between the central office feed and the indoor/outdoor drop cables

May 16, 2026

Design and simulation of a compact polarization beam

For the polarization multiplexing requirements in all-optical networks, this work presents a compact all-fiber polarization beam splitter (PBS) based on

Jul 09, 2025

GFT4032 | 1:32 Optical splitter

The GFT4032 is a passive Optical Splitter designed for use in optical network. The device allows splitting one channel to 32 channels (24 channels in option) with very low jitter.

Jul 12, 2025

Understand GPON Technology

This document describes the Gigabit Passive Optical Network (GPON) technology and how it functions.

Oct 21, 2025

TOS 32 SC, 32 Way PLC Splitter SC/APC

It features small size, high reliability, wide operating wavelength range and good channel-to-channel uniformity. The splitter circuit is packaged in a plastic cassette and are terminated with SC/APC

Nov 22, 2025

Introduction to Passive Optical Network Splitter Architectures

Fiber Broadband Association Technology Committee February 2025 The choice of splitter architecture for a passive optical network (PON) network can impact many aspects of a Fiber to the X (FTTx)

Aug 12, 2025

PLC Splitters for Passive Optical Networks

For use in passive optical networks to split a single fiber signal into 4, 8, 16, or 32 channels that enable optical network terminal installation at the access or edge layer of the network.

Jan 11, 2026

How to Converge IP and Optical: a Deployment Example

Journey to IP and Optical Convergence Building a Convergence Journey Align with business initiatives Identify technology insertion points Develop a set of use cases that fit the

Jun 13, 2026

Corning CMB1CC6CE6CE1132 Compact Local Convergence Point

The OptiTect® Compact LCP (cLCP) Splitter Modules are compatible and interchangeable across all OptiTect® Compact Local Convergence Point (cLCP) Cabinets. These splitter modules meet

Dec 11, 2025

ITU-T Rec. G.984.3 (02/2004) Gigabit-capable Passive Optical

Gigabit-capable Passive Optical Networks (G-PON): Transmission convergence layer specification Summary This Recommendation describes the Transmission Convergence Layer for Gigabit

Mar 24, 2026

Cisco Network Convergence System (NCS) 1010 Data

Optical transport networks are evolving. Learn how Cisco's Network Convergence System 1010, a next-generation open line system platform,

Nov 17, 2025

1x32 Fiber Optic PLC Splitter SC/APC Single mode

We offer ABS box PLC Splitters with a wide range of styles and sizes to split or combine light with minimal loss. All splitters are manufactured using a very simple process that produces reliable, low

Nov 12, 2025

OptiTect® Local Convergence Cabinet, LS Series

The OptiTect Local Convergence Cabinet, LS Series is an innovative solution that is the optimal balance between size, density and access. All cabinets share the same intuitive and efficient

Jun 30, 2025

The Complete Guide to 1x32 PLC Fiber Splitter with SC/APC

1 x 32 PLC Fiber Splitter, Splice/Pigtailed ABS Module, 2.0mm, SC/APC, Singlemode Understanding the Basics of Fiber Splitters In the realm of optical networks, Fiber Splitters play a

Jan 29, 2026

OptiTect® Compact Local Convergence Point (cLCP) Housing

Splitter outputs are parked until needed, when intuitive routing makes subscriber connection fast and easy. Everything needed to manage, connect and test subscriber connections face the technician as

May 02, 2026

OptiTect® Local Convergence Cabinet, Gen III Series

All splitter modules are compatible and interchangeable across all OptiTect® Compact Local Convergence Point (cLCP) Cabinets. The modules meet applicable sections of Telcordia GR-1209

Aug 04, 2025

OptiTect® Datasheet

The OptiTect® compact local convergence point housing (cLCP) provides optical splitting and fiber management for all-fibre access network (AFAN) applications such as GPON, EPON and RFoG

Jan 18, 2026

1x32 Optical Splitter Overview with OWIRE Solutions

In the world of fiber optic communication, signal distribution plays a critical role in ensuring efficient data transmission. One of the essential components enabling this is the ** 1×32

Contact Us

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