

Box-type optical splitter with pigtail



Article Overview

Box-type optical splitters with pigtails are compact, reliable devices used to split or combine optical signals in fiber optic networks, featuring pre-terminated fiber pigtails for easy integration.

Overview

A box-type optical splitter is a passive fiber optic device designed to distribute optical signals from a single input fiber to multiple output fibers or combine signals from multiple fibers into one. These splitters are commonly used in FTTH, FTTx, GPON, EPON, CWDM, and DWDM networks to manage signal distribution efficiently. The box packaging provides protection, organization, and easy installation in network cabinets or wall-mounted enclosures.

Key Features

- **Pigtail Integration:** The splitter comes with pre-terminated fiber pigtails, typically 0.3m to 1m in length, allowing direct fusion splicing or connection to adapters without additional preparation.
- **Splitter Technology:** Most box-type splitters use PLC (Planar Lightwave Circuit) technology, which ensures uniform signal distribution, low insertion loss, and high reliability across a wide wavelength range (1260-1650nm).
- **Configurations:** Standard configurations include 1×2, 1×4, 1×8, 1×16, 1×32, and 1×64, with custom options available for specific network requirements.
- **Environmental Tolerance:** Designed to operate in temperatures from -40°C to +80°C, making them suitable for both indoor and outdoor installations.

Article Content

FTTH Splitter Distribution Box FTTH Box ODF Closure ...

Sopto can also supply fiber optic cables, patch cords, pigtails and splitter management solutions for any FTTH installation ber Optic

ABS pigtail box type

ABS pigtail box type The ABS Pigtail Box Type by ADTEK is a compact and durable enclosure designed for efficient and secure fiber

Fiber-optic splitter

Fiber-optic splitter A fiber-optic splitter, also known as a beam splitter, is based on a quartz substrate of an integrated waveguide

1/2 1/4 1/8 1/16 Port Cassette Splitter UPC Blue PLC Fiber Optic Box ...

Versatile 1X16 PLC Cassette Splitter offers reliable 1000Mbps Ethernet network connectivity for high-speed fiber optic applications.

What is Fiber Optic Splitter and Types

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

Fiber Optic Splitters | PLC & FBT Optical Splitters

Explore our comprehensive selection of high-performance fiber optic splitters. We offer a variety of PLC splitter types, including ABS

Optical Termination Point, ODB4 for max. 4 pigtail splices

Overview The PPC ODB4 is a light and compact wall mountable box for termination of up to four fibers. It has been designed to

What Is Fiber Optic Pigtail and How to Splice It?

While for mechanical fiber optic pigtail splicing, it precisely holds a fiber optic pigtail and fiber patch cord together, the

The Ultimate Engineering Guide to the SC/UPC 1×16 Pigtail Type

The integration of the SC/UPC 1×16 Pigtail type fiber splitter into a wider Gigabit Passive Optical Network (GPON) or

PLC Splitter 1: N or 2: N ABS Box Type with SC APC Pigtails.

PLC Splitter 1: N or 2: N ABS Box Type with SC APC Pigtails. The PLC Splitters is branching devices that is used to distribute optical

SC APC 1X2 Singlemode Fiber Optical Splitter, 2pcs

Product Description Fybptwu - SC APC 1X2 Singlemode Fiber Optical Splitter FBT
Fiber Optical Splitter SC/APC 1:2 Fiber Optic

LGX Fiber Optical Splitter Box 0.3m Pigtail 0.9mm Cable

In optical networks, it splits an optical signal into identical signals or combines multiple signals into one. Fabricated using silica

ABS pigtail box type

The ABS Pigtail Box Type by ADTEK is a compact and durable solution for organizing and storing fiber optic pigtails. Constructed

Outdoor Fiber Optic Distribution Box Manufacturer

Fiber distribution terminal box mainly include fiber splice box, fiber splitter box, access terminal box for outdoor FTTH

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

Cassette Splitter 2 4 8 16 Port SC/UPC Blue PLC Fiber Optic Box Type ...

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PLC Splitter 1:16 ABS Box Type With 1.5m SC APC Pigtails

VOYGAR provides ABS Cassette PLC Splitter family has 1x2, 1x4, 1x8, 1x16, 1x32, 1x64, 2x2, 2x4, 2x8, 2x16, 2x32, 2 x 64 PLC

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