

# Fiber Optic Splitter Without Connector

## Variants

1\*16 1\*2 1\*4 1\*8

## Details

## 1xX PLC Splitter

### Product Overview

The 1\*X PLC Splitter is a high-quality optical device designed to split one optical input signal into 16 output fibers with low loss and stable performance. It is widely used in FTTH (Fiber to the Home), PON (Passive Optical Networks), broadband distribution, and telecom fiber networks. This version comes without connectors, allowing flexible customized installation based on project requirements.

### Applications

Application Areas
FTTH (Fiber to the Home) networks
PON (Passive Optical Networks)
Large-scale broadband networks
Data centers and telecommunications
Fiber optic network distribution

### Technical Specifications

Specification	Details
Splitter Type	1xX PLC (Planar Lightwave Circuit) Splitter

Wavelength Range	1260 nm to 1650 nm
Insertion Loss	? 18 dB (Max)
Return Loss	? 50 dB (Typical)
Fiber Type	SMF (Single-Mode Fiber)
Split Ratio	1 Input to 16 Outputs
Fiber Length	Customizable (typically 1.5 m to 3 m)
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
Dimensions (L x W x H)	60 mm x 25 mm x 7 mm
Fiber Connector Type	None (Raw Fiber Ends for Customization)
Uniformity	? 1.5 dB
Packaging	Plastic Tube (for Fiber Protection)
Environmental Rating	RoHS Compliant, CE Certified

## Product Features

Feature	Benefit
Compact Design	Ideal for large-scale network setups with efficient space usage
Low Insertion Loss	Maintains signal integrity over long-distance transmission
High Reliability	Stable performance in demanding telecom and broadband environments
Versatile Usage	Suitable for FTTH, telecommunications, broadband, and fiber distribution systems