

## 1x3 Fiber Optic Splitter Single Mode Without Fiber Connectors

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: FIBERMANIA
- Certification: CE, RoHS
- Model Number: PA10230000030
- Minimum Order Quantity: 10 Pieces
- Price: Negotiable
- Packaging Details: Blister Package Plus Carton
- Payment Terms: T/T, Western Union, L/C
- Supply Ability: 1000 Pieces



### Product Specification

- Name: 1x3 Fiber Optic Splitter
- Package Style: Steel Tube, Bare Fiber
- Connector Type: None
- Configuration Type: 1x 3
- Fiber Mode: Single Mode
- Input/Output OD: 2.0mm
- Split Ratio: Symmetrical
- Insertion Loss:  $\leq 6.0\text{dB}$
- Return Loss:  $\geq 55\text{dB}$
- Highlight: **1x3 Fiber Optic Splitter, CE Single Mode Fiber Splitter**



### More Images



## Product Description

### 1X3 PLC Splitter With ABS Module Input Of Output 2.0mm Without Fiber Connectors

PLC splitters are typically constructed from high-quality silicon or quartz materials, featuring a compact design that accommodates various configurations, such as 1×2, 1×4, and 1×8, to suit different application requirements. These splitters utilize waveguide technology to facilitate the distribution of optical signals through microstructures integrated into an optical substrate. When an optical signal enters the input port, it passes through a specially designed waveguide network, which evenly distributes the signal to multiple output ports. PLC splitters are known for their compact structure and small form factor, supporting a wide range of configurations, from 1×2 to 1×64, allowing for diverse splitting ratios that meet various operational needs.

#### Features

1. Low Insertion loss and Low PDL
2. Uniform power splitting
3. High reliability
4. Excellent environmental stability
5. Compact size and various package

#### Applications

1. LAN, WAN and Metro Networks
2. FTTH project & FTTX Deployments
3. CATV System
4. GPON, EPON
5. Fiber Optic Test Equipment
6. Data-base Transmit Broadband Net

#### Specifications

Parameters	1×2	1×4	1×8	1×16	1×32	1×64
Operating Wavelength (nm)	1260~1650					
Fiber Type	SMF-28e or customer specified					
Insertion Loss (dB)(S/P Grade)	4.0/3.8	7.3/7.0	10.5/10.2	13.7/13.5	16.9/16.5	21.0/20.5
Loss Uniformity (dB)	0.4	0.6	0.8	1.2	1.5	2.5
Return Loss (dB) (S/P Grade)	50/55	50/55	50/55	50/55	50/55	50/55
Polarization Dependent Loss(dB)	0.2	0.2	0.3	0.3	0.3	4
Directivity (dB)	55	55	55	55	55	55
Wavelength Dependent Loss(dB)	0.3	0.3	0.3	0.5	0.5	0.5
Temperature Stability(-40~85 °C)(dB)	0.5	0.5	0.5	0.5	0.5	0.5
Operating Temperature (°C)	-40~85					
Storage Temperature (°C)	-40~85					





#### FAQ

Q1: Is this product able to join two different optical signals into a single fiber?

A: This product is mainly used for splitting light beams. It is not advised to use it for joining different optical signals into a single fiber.

Q2: I've got a SC splitter, and I want to extend the cable length now. Can I use a adapter and SC fiber optics to make it? Will this affect the signal attenuation and insertion loss?

A: It will work. You'd better use a good quality cable to diminish the impact.

Q3: Why is the connector color green? what is the difference between green and blue? Thanks, Alex

A: The two colors distinguish the polishing method. The blue represents the UPC polishing method, the green represents the APC polishing method, and the green one in the pic is the SC/APC connector, the blue one in the pic is the SC/UPC connector.

Q4: What is your MOQ of your products?

A: We only have MOQ for some special customized cable order, we request 1km as the total length of the bulk cable, you may consider stock the bulk cable with us for your urgent order production.

Q5: Are free samples available from you?

A: Yes, we are always happy to offer the free samples for all of our customers' projects provided that the total cost is under 50 US dollars.

Q6: Do you accept OEM and ODM orders?

A: Absolutely yes, we have been doing OEM services since we start in this business, and for every single label, printing, bag and carton design, we always treat it seriously and do it nicely. Our engineers can help you with your current design and even can open the new tooling for your specific project.

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