

## 1X32 PLC Splitter , Planar Lightwave Circuit Splitter With SC APC Fiber Connectors

Our Product Introduction

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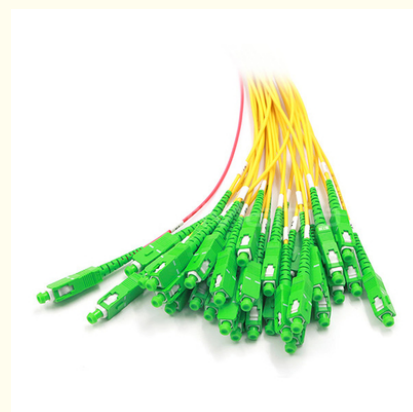
### Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: FIBERMANIA
- Certification: CE, RoHS
- Model Number: PL13220SASA15
- Minimum Order Quantity: 10 Pieces
- Price: Negotiable
- Packaging Details: Blister Box
- Payment Terms: T/T, Western Union, L/C
- Supply Ability: 1000 Pieces

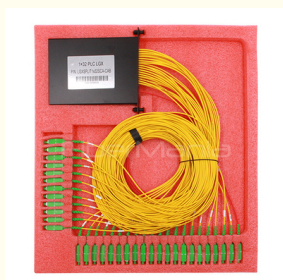


### Product Specification

- Package Style: ABS Module
- Return Loss:  $\geq 55\text{dB}$
- Insertion Loss:  $\leq 16.9\text{dB}$
- Name: 1x32 PLC Splitter
- Input/Output OD: 2.0mm
- Split Ratio: Symmetrical
- Connector Type: SC/APC
- Fiber Mode: Single Mode
- Configuration Type: 1x32
- Highlight: **1x32 PLC Splitter, PLC Splitter 1x32, Planar Lightwave Circuit Splitter**



### More Images



## Product Description

### 1X32 PLC Splitter with ABS Module input of output 2.0mm With SC APC Fiber Connectors

The design of PLC splitters simplifies the process of fiber optic cabling and maintenance, enhancing network management efficiency. This allows operational personnel to troubleshoot and replace equipment more easily. As fiber optic communication technology continues to advance, PLC splitters will play an increasingly vital role in future network architectures, meeting the growing demands for data transmission. Their unique design enables uniform power distribution of optical signals, ensuring consistent light intensity across multiple output ports and minimizing signal attenuation.

#### Features

1. Excellent Mechanical, Small Size.
2. High Reliability.
3. Low insertion Loss and low Polarization Dependent loss.
4. High channel counts.
5. Excellent Environmental Stability and Widely Used.
6. Connector Type: SC or Customer specified.

#### Applications

1. Fiber optic communication system
2. FTTX access network based on PON structure
3. Local loop and passive optical network (PON)
4. CATV network
5. LAN, WAN and MAN
6. Testing equipments

#### 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 the diameter of the four output fibers also 250μm? or is there some sort of outer casing on the fibers?

A: FiberMania warrants that all fiber patch cords supplied are free from defects in material and workmanship for a period of five (5) years from the date of supply. All fiber optic bulk cables are UL profiled and every single cable is 100% tested.

Q2: Do you know what the limit in dBm is for the PLC I check the datasheet for this and it does not state the limit in dBm for the input and output ports of this splitter.

A: The PLC works without dBm, as it's a passive product. But, it's usually supported to use under 500mW.

Q3: Can the fiber diameter of this product be customized to 125μm?

A: No, 125μm fiber diameter is too thin, it is easy to break and cannot protect the fiber.

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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