



FIBERMANIA

Shenzhen FiberMania Technology Co., Ltd.  
optical-fibercables.com

## Steel Tube 900um 1X8 PLC 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: PM108SASA30
- Minimum Order Quantity: 10 Pieces
- Price: Negotiable
- Packaging Details: Inner Box Into Carton
- Payment Terms: T/T, Western Union, L/C
- Supply Ability: 1000 Pieces



### Product Specification

- Type: Fiber Optic Splitter&Coupler
- Wiring Devices: ODF
- Configuration Type: 1 X 8
- Fiber Grade: G.657A1
- Fiber Mode: Single Mode
- Fiber Diameter: 900μm
- Connector Type: SC/APC
- Package Style: Mini Module
- Insertion Loss: ≤12.5dB
- Return Loss: ≥55dB
- Highlight: 1X8 PLC Splitter, Steel Tube 1X8 PLC Splitter, SC/APC 1X8 PLC Splitter

## Product Description

### Steel Tube 900um 1X8 PLC Splitter With SC/APC Fiber Connectors

PLC splitters are characterized by low insertion loss, which means that most of the incoming optical signals can be effectively transmitted to the output ports, reducing signal attenuation and enhancing the overall performance of the system. They are widely used in various applications, including Fiber to the Home (FTTH), Passive Optical Networks (PON), data centers, and communication base stations, playing a critical role in the distribution and management of optical signals.

FiberMania's optical PLC (Planar Lightwave Circuit) splitters reduce insertion loss and deliver high performance. We trust these devices enable more effective monitoring and management of optical networks. Our splitters are available as below:

1. PLC splitter ABS Module
2. PLC Splitter Bare Device
3. PLC Splitter LGX Module
4. PLC Splitter Mini Module
5. PLC Splitter Rack Mount

### Features

1. Compact Size
2. 900um Input and Output
3. Fan-out Type Available
4. Compact package Convenient for Small Application & High Density Areas
5. Telcordia GR-1209 & GR-1221-CORE Compliant
6. Jacketing Material Rated to -40 to +85 degree Celsius Operating Temperature
7. Bend Insensitive G657A fiber
8. Low Insertion Loss and PDL
9. High Polarization Extinction Ratio & Excellent Uniformity
10. Offer Unique Designs and Configurations & Support Industry Standard Applications

### Applications

1. FTTx Deployments (GPON/BPON/EPON)
2. CCTV/CATV Links
3. Access/Metro Networks
4. Long Haul Telecommunications

### 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: Can you tell me how long the fibers are? I need fibers about 2 meters long.

A: The default fiber is 1.5m. We can customize 2m long fiber and other length.

Q2: The 1x32 one is 1U, what about 1x64 and 1x128?

A: 1x64 is 1U, 1x128 is 2U.

Q3: 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: Yes, we do the 3D test per our customer's request, we can have the pass rate over 90% and even 100% if necessary.

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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