

Black 1X64 PLC Splitter With ABS Module Input Of Output 2.0mm LSZH

Our Product Introduction

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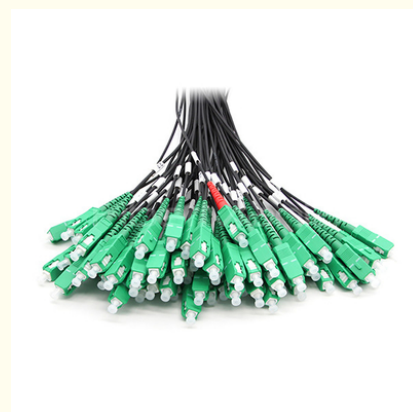
Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: FIBERMANIA
- Certification: CE, RoHS
- Model Number: PL16420SASAB15
- 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

- Name: 1X64 PLC Splitter
- Application: Fiber Distribution Frame, Network Equipment, Fiber Module
- Shipment: Express Courier/ By Air/ By Sea
- Jacket Color: Black
- Configuration Type: 1x32
- Package Style: ABS Module
- Input/Output OD: 2.0mm
- Insertion Loss: $\leq 21.0\text{dB}$
- Return Loss: $\geq 55\text{dB}$
- Highlight: 1X64 PLC Splitter, PLC Splitter 1x64, RoHS PLC Splitter



More Images



Product Description

1X64 PLC Splitter With ABS Module Input Of Output 2.0mm LSZH Black With SC APC Fiber Connectors

The PLC splitter is a device based on planar lightwave circuit technology, primarily used to distribute input optical signals to multiple output ports, facilitating efficient connectivity in fiber optic communication systems. This type of splitter employs integrated waveguide microstructures, utilizing the principles of optical interference and coupling to achieve uniform distribution of light signals, ensuring that each output port receives a relatively equal amount of optical power. Typically constructed from high-quality silicon or quartz materials, PLC splitters feature a compact design that supports various configurations, such as 1×2, 1×4, and 1×8, making them adaptable to different application requirements.

Features

1. Low insertion loss
2. Low Polarization Dependent Loss
3. Excellent Environmental Stability
4. Excellent Mechanical Stability
5. Telcordia GR-1221 and GR-1209
6. Optional connectors termination upon request
7. Available in 250um & 900um fiber, 2mm or 3mm

Applications

1. FTTX (FTTP, FTTH, FTTN, FTTC)
2. Local Area Networks (LAN)
3. Test Equipment
4. CATV
5. Analog/Digital Passive Optical Networks (PON)

Specifications

PARAMETERS		1×2	1×4	1×8	1×16	1×32	1×64	1×128
Wavelength (nm)		1260~1650						
Fiber type		G657A 1 or custom-defined						
Pigtail length(m)		1.0(±0.1) or custom-defined						
Insertion loss (dB)		≤3.8	≤7.2	≤10.3	≤13.6	≤16.9	≤20.4	≤23.5
Loss uniformity(dB)	max	≤0.8	≤1.0	≤1.2	≤1.5	≤1.8	≤2.0	≤2.0
Return loss (dB)	minimum	55	55	55	55	55	55	55
PDL (dB)	max	≤0.2	≤0.2	≤0.3	≤0.3	≤0.4	≤0.4	≤0.4
Directivity	minimum	≥55						
Wavelength related loss(dB)	max	≤0.6	≤0.6	≤0.6	≤0.8	≤1.0	≤1.0	≤1.2
Working temp. (°C)		-40~85						
Store temp. (°C)		-40~85						
bare fiber		40×4×4			50×7×4		60×12×4	120*26*10
ABS package size(LxWxH)mm		100×80×10			120×80×18		140×115×18	150*130*25
Mini package size(Lx W x H)mm		55×7×4			60×12×4	80×20×6	100×40×6	120*50*12
2X N(N≥2)		2×2	2×4	2×8	2×16	2×32	2×64	2×128
Wavelength (nm)		1260~1650						
Fiber type		G657A 2 or custom-defined						
Pigtail length(m)		1.0(±0.1) or custom-defined						
Insertion loss (dB)		≤4.2	≤7.5	≤10.6	≤13.9	≤17.2	≤20.8	≤23.8
Loss uniformity(dB)	max	≤0.8	≤1.0	≤1.2	≤1.5	≤1.8	≤2.0	≤2.0
Return loss (dB)	minimum	55	55	55	55	55	55	55
PDL (dB)	max	≤0.2	≤0.2	≤0.3	≤0.3	≤0.4	≤0.4	≤0.4
Directivity	minimum	≥55						
Wavelength related loss(dB)	max	≤0.6	≤0.6	≤0.6	≤0.8	≤1.0	≤1.0	≤1.2
Working temp. (°C)		-40~85						
Store temp. (°C)		-40~85						
bare fiber		50×4×4			50×7×4		60×12×4	120*26*10
ABS package size(LxWxH)mm		100×80×10			120×80×18		140×115×18	150*130*25
Mini package size(LxWxH)mm		60×7×4			60×12×4	80×20×6	100×40×6	120*50*12



FAQ

Q1: Is this splitter ruggedized? Can it be placed in an outdoor PON cabinet and tolerate temperatures below -20 degrees Fahrenheit and up to 100 degrees Fahrenheit?

A: Hi, for the splitter you mentioned, its operating temperature is -40~85°C, which can meet your requirement -- temperatures below -20 degrees Fahrenheit and up to 100 degrees Fahrenheit (about -30°C ~ 38°C). But this splitter is designed for indoor application, I don't advise you to use it outdoor.

Q2: What is splitter loss?

A: PLC splitters will cause a loss of optical power. This product is with ≤ 7.1 dB low insertion loss and ≤ 0.2 dB low polarization dependent loss.

Q3: What is its Directivity value?

A: Its Directivity value is more than 55dB.

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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