



FotonGuide Fiber Optic Splitter Panel, 19" Rack-mount, SC/APC - 2x2 PLC Splitter



Applicable Standards

- **ITU-T G.671**: Characteristics of passive optical components, including planar lightwave circuit (PLC) splitters.
- **IEC 61753-1** : Performance for passive optical components under specific environmental and mechanical conditions.
- **GR-1209-CORE (Telcordia)** : Generic requirements for optical splitters, focusing on insertion loss, uniformity, and other performance metrics.
- **GR-1221-CORE (Telcordia)**: Reliability and environmental testing of passive optical components.
- **IEC 61754 Series** : Interface standards for fiber optic connectors, ensuring compatibility (e.g., SC/APC connectors).
- **ANSI/TIA-568.3-D** : Guidelines for optical component use in structured cabling, ensuring compatibility and performance in telecommunications and data center environments.

Product Part Number

N124.SCA202BK

Product Description

FotonGuide Fiber Optic Splitter Panel is a 19" rack-mount solution equipped with a 2x2 PLC splitter and SC/APC connectors. It delivers precise and reliable optical signal distribution, making it an excellent choice for data centers, telecom, and FTTx network applications.

Product Features

- **2x2 PLC Splitter** : Ensures efficient signal splitting with minimal insertion loss and excellent power uniformity.
- **SC/APC Connectors** : High-performance connectors reduce signal reflection, enhancing network stability.
- **Standard 19" Rack-Mount Design** : Facilitates seamless installation in structured cabling systems.
- **Durable Construction** : Black powder-coated finish offers superior durability and a professional appearance.



Material Specifications

Split Capacity	2x2
Type	1U 19" Rack-mounted
Connector Type	SC/APC
Fiber Type	G657A2
Working Wavelength	1260nm~1650nm
Insertion Loss(P-Grade)(dB)	≤ 4.2
Uniformity(dB)	≤ 0.8
PDL(dB)	≤ 0.2
Wavelength Dependent Loss(dB)	≤ 0.8
Return Loss(dB)	≥ 55
Directivity(dB)	≥ 55

Environmental Specifications

Operating Temperature Range	- 40°C to 85°C
Storage Temperature Range	- 40°C to 85°C

Ordering Information

N124.SCA202BK	FotonGuide Fiber Optic Splitter Panel, 19" Rack-mount, SC/APC - 2x2 PLC Splitter, Black
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Shipping Information

Item	Dimension
Product	Width : 482.5 mm Height : 44 mm Depth : 255 mm