



FotonGuide Fiber Optic Splitter Panel, 19" Rack-mount, LC/APC - 2x16 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., LC/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.LCA216BK

Product Description

FotonGuide Fiber Optic Splitter Panel is a 19" rack-mountable solution equipped with a 2x16 PLC splitter and LC/APC connectors, designed for precise and efficient optical signal distribution. Ideal for data centers, telecom networks, and enterprise environments, it ensures reliable performance and easy integration into standard racks.

Product Features

- **2x16 PLC Splitter** : Efficiently splits optical signals into 16 outputs with low insertion loss and uniform power distribution.
- **LC/APC Connectors** : High-quality angled connectors minimize back-reflection and optimize performance.
- **Compact Rack-Mount Design** : Fits seamlessly into standard 19" racks for streamlined deployment and cable management.
- **Rugged Construction** : Built with a durable black powder-coated finish for long-lasting use in demanding environments.





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Material Specifications

Split Capacity	2x16
Type	1U 19" Rack-mounted
Connector Type	LC/APC
Fiber Type	G657A2
Working Wavelength	1260nm~1650nm
Insertion Loss(P-Grade)(dB)	≤ 14.1
Uniformity(dB)	≤ 1.5
PDL(dB)	≤ 0.3
Wavelength Dependent Loss(dB)	≤ 1.5
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.LCA216BK	FotonGuide Fiber Optic Splitter Panel, 19" Rack-mount, LC/APC - 2x16 PLC Splitter, Black
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Shipping Information

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

