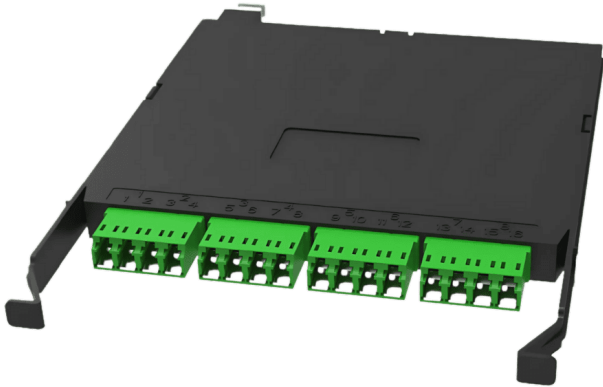




FotonShield MPO-LC Cassette, 16F MPO (Male) Low Loss - 16 x LC/APC, SM G.657A2



Applicable Standards

- IEC 61754-7 (MPO Connector)
- IEC 61755-3-1 (LC/APC)
- IEC 61300-3-35 (End-Face Cleanliness)
- RoHS and REACH

Product Part Number

N172.MPO16LCA5A2A

Product Description

The **FotonShield 16F MPO-LC Cassette** is a high-performance fiber optic module designed for low-loss, high-density connectivity in data centers and enterprise networks. Featuring an **MPO (Male) Elite connector** and **4 x LC/APC Quad adapters**, this cassette ensures superior optical performance and efficient fiber management. Built with **OS2 G657A2 fiber**, this cassette provides minimal insertion loss and optimized signal integrity, making it ideal for structured cabling, telecom, and hyperscale environments. The housing is constructed from **ABS + PC** with a **UL-94 V0** flame-retardant rating, ensuring durability, fire resistance, and long-term reliability in critical installations.

Product Features

- **Ultra-Low Loss MPO Elite Connector** : Provides exceptional signal integrity and minimal insertion loss.
- **Optimized for OS2 G657A2 Fiber** : Supports long-distance, high-bandwidth applications with reduced attenuation.
- **16 x LC/APC Ports** : Designed for reliable fiber terminations and superior return loss performance.
- **Polarity A (Straight-Through Configuration)** : Ensures proper alignment in structured cabling environments.
- **UL-94 V0 Flame-Retardant ABS + PC Housing** : High durability, impact resistance, and enhanced fire safety.
- **Plug-and-Play Modular Design** : Enables fast and easy deployment in high-density rack-mount environments.





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Material Specifications

Type	16F MPO-Male (Elite) to LC/APC
Fiber Type	Single Mode OS2 (G657A2)
LC Connector	Insertion Loss: ≤ 0.25 dB, Return Loss: APC ≥ 65 dB
MPO (Elite) Connector	Insertion Loss: ≤ 0.35 dB, Return Loss: APC ≥ 65 dB
Adapter Type	Quad LC/APC
Polarity	Type A (Straight-Through)
Housing Material	ABS + PC (UL-94 V0 Flame-Retardant)
Application	Data Centers, Enterprise Networks, Telecom

Environmental Specifications

Operating Temperature Range	- 20°C to 70°C
Storage Temperature Range	- 20°C to 70°C

Ordering Information

N172.MPO16LCA5A2A	FotonShield MPO-LC Cassette, 16F MPO (Male) Low Loss - 16 x LC/APC, SM G.657A2
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