



FotonShield LC Cassette, with 24 x LC/UPC Pigtails, MM OM4



Applicable Standards

- IEC 61754-20 (LC Connector)
- IEC 61755-3-1 (UPC End-Face)
- IEC 61300-3-35 (End-Face Cleanliness)
- RoHS and REACH

Product Part Number

N172.24LCU3

Product Description

The **FotonShield LC Cassette** is a high-performance fiber termination module, engineered for efficient splicing, patching, and fiber management in data centers, telecom networks, and enterprise environments. **Preloaded with 24 LC/UPC pigtails and 12 x LC/UPC Duplex Adapters**, this cassette is optimized for high-speed multimode fiber applications, offering low insertion loss and excellent optical performance for 10G, 40G, and 100G Ethernet networks. Utilizing **OM4 multimode fiber**, this cassette supports higher bandwidths and greater distances than standard OM3 fiber, enabling high-speed data transmission across longer links with minimal signal loss. The compact, modular design allows for easy integration in high-density fiber environments, while the **UL-94 V0 flame-retardant ABS + PC housing** ensures reliable performance and safety in demanding network conditions.

Product Features

- Preloaded with 24 LC/UPC Pigtails : Enables quick and efficient splicing for seamless fiber connectivity.
- OM4 Multimode Fiber : Supports higher bandwidths and longer transmission distances for high-speed applications.
- Low-Loss Fiber Connectivity : Factory-polished LC/UPC connectors ensure high return loss and minimal insertion loss.
- UL-94 V0 Flame-Retardant ABS + PC Housing : Provides high durability, impact resistance, and fire safety compliance.
- Compact, Modular Design : Supports high-density fiber installations with easy rack integration.
- Compliant with Industry Standards : Ensures interoperability and reliable performance in mission-critical networks.





Material Specifications

Type	LC Cassette with 24 LC/UPC Pigtails
Fiber Type	Multimode OM4 (50/125µm)
LC Connector	Insertion Loss: ≤0.25 dB, Return Loss: UPC ≥35dB
Adapter Type	Duplex LC/UPC
Housing Material	ABS + PC (UL-94 V0 Flame-Retardant)
Application	Data Centers, Enterprise Networks, FTTH, Telecom, Fiber Splicing

Environmental Specifications

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

Ordering Information

N172.24LCU3	FotonShield LC Cassette, with 24 x LC/UPC Pigtails, MM OM4
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