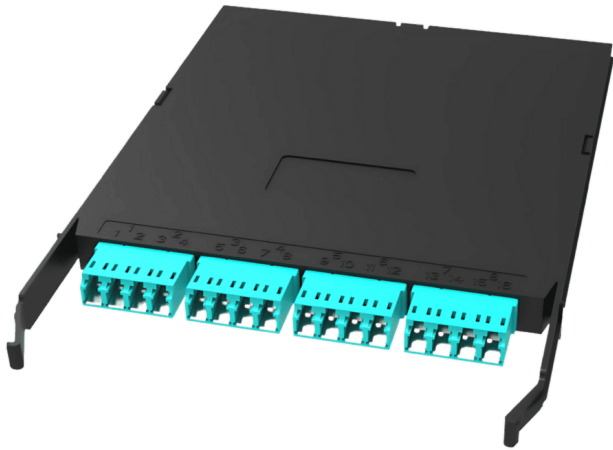




# FotonShield LC Cassette, with 16 x LC/UPC Pigtailed, MM OM3



## 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

N172.16LCU2

## Product Description

The **FotonShield LC Cassette** is a high-performance fiber termination module, specifically designed for efficient splicing, patching, and fiber management in data centers, enterprise networks, and telecom applications. **Preloaded with 16 LC/UPC pigtailed and 4 x LC/UPC Quad Adapters**, this cassette is ideal for high-speed multimode fiber applications, offering low insertion loss and stable optical performance for 10G, 40G, and 100G Ethernet networks. Constructed with **OM3 multimode fiber**, the cassette provides excellent bandwidth performance and supports high-speed data transmission over short to medium distances. The compact, modular design facilitates easy fiber deployment in high-density environments, while the **UL-94 V0 flame-retardant ABS + PC housing** ensures long-lasting durability, fire resistance, and reliable operation.

## Product Features

- **Preloaded with 16 LC/UPC Pigtailed** : Enables quick and efficient splicing for seamless fiber connectivity.
- **OM3 Multimode Fiber** : Provides optimal performance with a higher bandwidth and reduced modal dispersion 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.





# FotonShield LC Cassette, with 16 x LC/UPC Pigtails, MM OM3

## Material Specifications

Type	LC Cassette with 16 LC/UPC Pigtails
Fiber Type	Multimode OM3 (50/125µm)
LC Connector	Insertion Loss: $\leq 0.25$ dB, Return Loss: UPC $\geq 35$ dB
Adapter Type	Quad 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

N172.16LCU2	FotonShield LC Cassette, with 16 x LC/UPC Pigtails, MM OM3
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