FotonShield LC Cassette, with 12 x LC/UPC Pigtails, SM G.657A2

Product Part Number

N172.12LCU5A2

Product Description

The **FotonShield LC Cassette** is a high-performance fiber termination module, designed for efficient splicing, patching, and fiber management in data centers, enterprise networks, and telecom applications. **Preloaded with 12 LC/UPC pigtails and 3 x LC/UPC Quad Adapters**, this cassette ensures low insertion loss and stable optical performance, making it ideal for high-speed single-mode fiber applications such as FTTH, 5G networks, and high-density structured cabling. Constructed with **bend-insensitive G.657A2 fiber**, the cassette offers superior flexibility and minimal signal attenuation in tight bends. The compact, modular design allows for quick and efficient fiber deployment, while the **UL-94 V0 flame-retardant ABS + PC** housing ensures durability, fire resistance, and long-term reliability in mission-critical environments.

Product Features

- Preloaded with 12 LC/UPC Pigtails : Enables quick and efficient splicing for seamless fiber connectivity.
- G.657A2 Bend-Insensitive Fiber : Reduces signal attenuation in tight bends and enhances cable management.
- 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.

Applicable Standards

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

Material Specifications

Type	LC Cassette with 12 LC/UPC Pigtails
Fiber Type	Single Mode OS2 (G657A2)
LC Connector	Insertion Loss: ⩽0.25 dB, Return Loss: UPC ⩾55dB
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℃ to 70℃
Storage Temperature Range	- 20℃ to 70℃

Ordering Information

N172.12LCU5A2	FotonShield LC Cassette, with 12 x LC/UPC Pigtails, SM G.657A2 (1 Set of 12 Colored Pigtails)