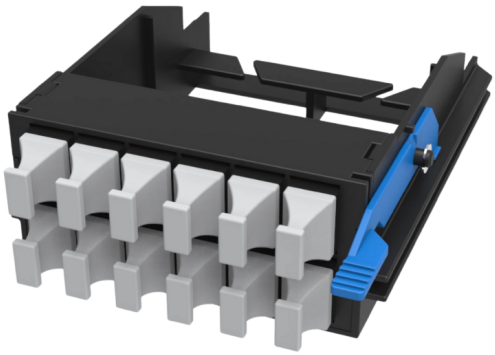
FotonShield MD Pass-Through Cassette, 12 x MPO Adapters



Product Part Number

N176.PT12MPO

Product Description

The **FotonShield MD Pass-Through Cassette with 12 x MPO Adapters** is a high-density modular fiber solution engineered for fast and efficient backbone and horizontal MPO-to-MPO connectivity. Housed in a compact cassette format, it accommodates **12 MPO adapters**, supporting rapid deployment in data centers, enterprise networks, and telecom rooms. Designed for seamless integration into **FotonShield MD Patch Panels**, it ensures high-performance, tool-less installation and minimal signal degradation in mission-critical applications.

Applicable Standards

- **IEC 61754-7** : Interface standard for MPO connectors
- **IEC 61753-1** : General performance requirements for fiber optic interconnects
- **IEC 61300-3-6** : Test methods for insertion and return loss
- **IEC 61300-3-35** : End-face inspection and cleanliness criteria
- **TIA/EIA-568.3-D** : Optical fiber cabling and components standard
- **RoHS Compliant** : Environmentally safe and lead-free

Product Features

- High-Density MPO Interface : 12 MPO pass-through ports for parallel optic systems
- Modular Design : Fits seamlessly into FotonShield MD modular chassis
- Universal Compatibility : Supports MPO/MTP connector types (Male/Female, 8F/12F/24F)
- Durable Construction : Flame-retardant ABS+PC housing (UL-94 V0)
- Optimized for Polarity Management : Supports Type A, B, or C configurations
- Plug-and-Play Simplicity : Ideal for 40G/100G/400G deployments

RoHS compliant

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Material Specifications

Type	MD Pass-Through Cassette
Compatibility	FotonShield MD Cassette Type Fiber Patch Panel
Housing Material	ABS + PC (UL-94 V0 Flame-Retardant)
Installation	Slide-In with Push-Down Latch Lock
Locking Mechanism	Push-Down to Release & Pull to Remove
Adapter Type	MPO (Female by default)
Fiber Compatibility	Supports 8F, 12F, and 24F MPO Systems
Color	Black
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

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RoHS compliant