Ortronics

CORE MPO-12 Trunk, MPO SM Non-Pinned-MPO SM Non-Pinned, 250UM uDist Interconnect OFNP 3.0mm, 12 Fiber, OM4 Multimode, 1 Meter

Part No. C4747B3707EMMY001M



This CORE MPO trunk ensures high-performance single-mode connectivity with a 12-fiber MPO-12 MM non-pinned to MPO-12 MM non-pinned interface. Built with a Type B polarity and 250um uDist Interconnect OFNP 3.0mm construction, this OM4 trunk delivers low-loss, standards-compliant performance for high-density network environments. The assembly features MPO-to-MPO no-stagger terminations, and no pulling-eye ideal for structured cabling, cross-connects, and cabinet-to-cabinet interconnects. These fiber trunks are fully configurable to meet all of your network infrastructure needs.

Features & Benefits

Fully Configurable MPO Trunk Design: Enables selection of fiber type, polarity, connector style, staggering, jacket rating, and length to meet exact network specifications

Factory-Terminated MPO Connectors: Delivers consistent, high-quality performance and removes the need for field terminations or polishing

250µm uDist Interconnect Construction: Provides a compact, flexible cable ideal for high-density pathways and tight-radius routing

No-Stagger MPO Design: Offers uniform fiber alignment to support clean routing, predictable cable management, and easier installation

High-Performance OM4 Multimode Transmission: Supports reliable 40G/100G short-reach applications with low insertion loss for high-bandwidth data center connectivity

Type B Polarity for Simplified Mapping: Ensures easy deployment in parallel optics and standard data center architectures

OFNP-Rated 3.0mm Jacket: Meets strict plenum fire-safety requirements for use in commercial buildings and data centers

Specifications

General Info

Product Line	Ortronics	Color	Aqua
Country Of Origin	Mexico	Construction	Micro Array
Connector Color	Aqua	Application Sector	Commercial, Data Center, Industrial
Standard	UL;TIA-568.3-E	Warranty Type	5-Year
Type	Trunk	Boot Color	Black

Dimensions

Product Length US	1.0 m

Listing Agencies / 3rd Party Agencies

REACH Compliant	Yes

Additional Information

RoHS Compliant	Yes	Energy Savings	No

Technical Information

Fiber Optic Cable Type	OM4	Operating Temperature Min	0 °C
Pitch	0.25 mm	Bend Radius	30 mm
Polish Type	UPC	Polarity Type	B
Operating Temperature Max	70 °C	Cable Diameter	3 mm
Fanout Cable Diameter	3 mm	Return Loss	20 dB
Number of Fibers	12	Connector 2	MPO Female

Connector 1	MPO Female	Operating Temperature	0°-70°C, 32°-158°F
Durability	Max IL of 0.3 dB at 200 cycles per TIA-568.3-E	Maximum Insertion Loss	0.75 dB
Typical Insertion Loss	0.3 dB	Storage Temperature	-40° - 150° F, -40° - 70° C