1m (3ft) MTP/MPO Fiber Optic Cable, 12F Type-A, OS2 Single Mode MTP/APC Female Fiber Patch Cable, 9/125m, OFNP Plenum, MTP-12 Fiber Jumper Cord

Product ID: OS2MTP12AOFNP1M



This OS2 MTP/MPO single mode fiber cable supports high-density 40G and 100G connections between switches and servers, helping reduce cable bulk and simplify routing across data hall racks. The 12-fiber design supports high-speed MTP/MPO connectivity for multi-fiber network applications.

Constructed with OS2 9/125m laser-optimized Corning glass, this cable delivers consistent high-bandwidth transmission for long-distance data center and backbone links. Type-A polarity MTP Elite connector maintains straight-through fiber mapping for multi-fiber connections, allowing transmit/receive alignment to be managed through cassettes or patching methods. Each cable is individually tested for signal integrity.

The OFNP plenum-rated jacket meets strict fire and low-smoke requirements, making it suitable for routing through air-handling spaces in commercial and enterprise environments, including data center and in-wall pathways.

Designed for use with structured MTP/MPO systems, including multi-fiber trunks, cassettes, and patching setups, this cable supports scalability for growing fiber networks and straightforward migration between 10G, 40G, and 100G infrastructure. The 12-fiber format enables high-density connectivity while reducing overall cable count for cleaner, more efficient installations.

Certifications, Reports and Compatibility

Applications

• Scale your Enterprise and Hyperscale network with high-density MTP/MPO cabling built for 10/40/100G data hall and edge deployment

• Connect QSFP+ and QSFP28 switches, fiber distribution panels, and AI cluster infrastructure with high-density MTP/MPO fiber cabling

• Enable reliable multifiber links over OS2 single mode for scalable backbone deployments

Features

• Enable High-Density 100G Deployments: Support 100G switch uplinks and server connectivity with 12-fiber OS2 MTP/MPO cabling, optimized for scalable 40G/100G fiber architectures in high-density AI cluster interconnects and data hall deployments

• Rated for Plenum Installations: Route cabling through overhead and air-handling spaces with an OFNP Plenum-rated jacket designed to meet strict fire and low-smoke requirements; Yellow cable jacket is TIA-standardized for clear identification in single mode fiber deployments

• Maintain Straight-Through Fiber Mapping: Type-A MTP Elite connector configuration maintains consistent fiber positions end-to-end (1:1 mapping), enabling polarity to be managed through cassettes or patch panels to ensure proper transmit and receive alignment

• Optimize Structured Fiber Infrastructure: Consolidate multiple OS2 fiber runs into a high-density 12-fiber MTP/MPO backbone made with high quality Corning glass to simplify cable management, improve rack scalability, and support evolving 40G and 100G network architectures

• The IT Pro's Choice: Designed for reliability in edge, enterprise, and hyperscale data center deployments, our fiber optic cables are lab-tested and field-proven for seamless integration and maximum uptime; Backed by free lifetime 24/5 multi-lingual technical assistance

General		
	UPC	065030930369
	Warranty	Lifetime
Physical & Environmental		
	Color	Yellow
	Cable Length	3.3 ft [1 m]
	Cable OD	0.1 in [3 mm]
	Product Length	3.3 ft [1 m]
	Product Width	0.6 in [14 mm]
	Product Height	0.3 in [7 mm]
	Weight of Product	0.6 oz [16 g]

	Operating Temperature	0C to 70C (32F to 158F)
	Storage Temperature	-20C to 70C (-4F to 158F)
	Humidity	0~90% RH
Hardware		
	Fiber Cable Type	Multifiber
	Fiber Size	9/125
	Fire Rating	OFNP (Plenum)
	Fiber Classification	OS2
	Cable Type	Straight-Through
Packaging & In-the-Box		
	Included in Package	1 - MTP/MPO-12 Fiber Optic Cable
	Package Width	7.1 in [18 cm]
	Package Depth	9.1 in [23 cm]
	Package Height	0.6 in [15 mm]
	Shipping (Package) Weight	1.0 oz [28 g]
Connector(s)		
	Connector 1 (Quantity)	1
	Connector 1	MPO / MTP Fiber
	Connector 2 (Quantity)	1
	Connector 2	MPO / MTP Fiber

Product appearance and specifications are subject to change without notice.