5m (16ft) MTP/MPO Fiber Optic Cable, 16F Type-B, OS2 Single Mode MTP/APC Female Fiber Patch Cable, 9/125m, OFNP Plenum, MTP-16 Fiber Jumper Cord

Product ID: OS2MTP16BOFNP5M



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 16-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-B polarity MTP Elite connector maintains proper transmit/receive alignment for multi-lane connections, ensuring reliable performance without additional crossover components. 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 16-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 16-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 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 OS2 fiber runs

• Ensure Correct Fiber Polarity: Type-B MTP Elite connector configuration reverses fiber positions to align transmit and receive paths automatically, supporting reliable QSFP28 high-speed interconnects without additional crossover components

• Optimize Structured Fiber Infrastructure: Consolidate multiple OS2 runs into a high-density 16-fiber MTP/MPO backbone made with high quality Corning glass to simplify cable management, improve scalability, and support evolving 40G and 100G architectures

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

General		
	UPC	065030931595
	Warranty	Lifetime
Physical & Environmental		
	Color	Yellow
	Cable Length	16.4 ft [5 m]
	Product Length	16.7 ft [5.1 m]
	Product Width	0.5 in [12.5 mm]
	Product Height	0.3 in [7.5 mm]
	Weight of Product	1.7 oz [48 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
	Fiber Classification	OS2
	Cable Type	Straight-Through
Packaging & In-the-Box		
	Included in Package	1 - MTP/MPO-16 Fiber Optic Cable
	Package Width	9.1 in [23 cm]
	Package Depth	7.1 in [18 cm]
	Package Height	0.6 in [15 mm]
	Shipping (Package) Weight	0.4 oz [11.2 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.