

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

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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	16.4 ft [5 m]
Product Width	0.6 in [14 mm]
Product Height	0.3 in [7 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.*