

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 MPO/MTP 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 MPO/MTP fiber cabling
- Enable reliable 40GBASE-SR4 and 100GBASE-SR10 parallel optics links 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

Hardware

Warranty	Lifetime
Fiber Size	9/125
Cable Jacket Material	OFNP Plenum Rated
Fiber Classification	OS2

Connector(s)

Connector A	1 - MPO/MTP
Connector B	1 - MPO/MTP

Environmental

Operating Temperature	0C to 70C (32F to 158F)
Storage Temperature	-20C to 70C (-4F to 158F)
Humidity	0~90% RH

Physical Characteristics

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 [1.4 cm]
Product Height	0.3 in [0.7 cm]
Weight of Product	0.6 oz [16 g]

Packaging Information

Package Length	7.1 in [18.0 cm]
Package Width	9.1 in [23.0 cm]
Package Height	0.6 in [1.5 cm]
Shipping (Package) Weight	0.4 oz [11.2 g]

What's in the Box

Included in Package	1 - MTP/MPO-12 Fiber Optic Cable
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****Product appearance and specifications are subject to change without notice.***