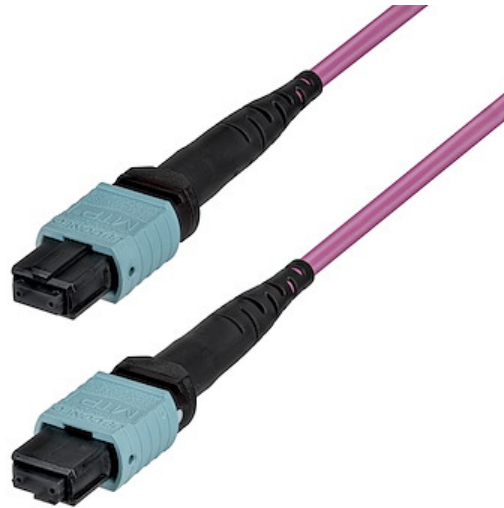


2m (6ft) MTP/MPO Fiber Optic Cable, 12F Type-A, OS2 Single Mode MTP/APC Female Fiber Patch Cable, 9/125m, OFNP Plenum, MTP-12 Fiber Jumper Cord

**Product ID:** OS2MTP12AOFNP2M



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

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### Hardware

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

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### Connector(s)

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

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### Environmental

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

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**Physical Characteristics**

|                   |                 |
|-------------------|-----------------|
| Color             | Yellow          |
| Cable Length      | 6.6 ft [2 m]    |
| Cable OD          | 0.1 in [3 mm]   |
| Product Length    | 6.6 ft [2 m]    |
| Product Width     | 0.6 in [1.4 cm] |
| Product Height    | 0.3 in [0.7 cm] |
| Weight of Product | 0.9 oz [26 g]   |

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**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]  |

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**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.***