

7m (23ft) MTP/MPO Fiber Optic Cable, 24F Type-B, OS2 Single Mode MTP/APC Female Fiber Patch Cable, 9/125m, OFNP Plenum, MTP-24 Fiber Jumper Cord

**Product ID:** OS2MTP24BOFNP7M



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 24-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 24-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 24-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
- **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 fiber runs into a high-density 24-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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### General

|          |              |
|----------|--------------|
| UPC      | 065030931533 |
| Warranty | Lifetime     |

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### Physical & Environmental

|                   |                    |
|-------------------|--------------------|
| Color             | Yellow             |
| Cable Length      | 275.6 in [7000 mm] |
| Cable OD          | 0.1 in [3 mm]      |
| Product Length    | 275.6 in [7000 mm] |
| Product Width     | 0.6 in [14 mm]     |
| Product Height    | 0.3 in [7 mm]      |
| Weight of Product | 2.2 oz [63 g]      |

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

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#### Hardware

|                       |                   |
|-----------------------|-------------------|
| Fiber Cable Type      | Multifiber        |
| Cable Jacket Material | OFNP Plenum Rated |
| Fiber Size            | 9/125             |
| Fiber Classification  | OS2               |
| Cable Type            | Straight-Through  |

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#### Packaging & In-the-Box

|                           |                                  |
|---------------------------|----------------------------------|
| Included in Package       | 1 - MTP/MPO-24 Fiber Optic Cable |
| Package Width             | 9.8 in [250 mm]                  |
| Package Depth             | 11.8 in [300 mm]                 |
| Package Height            | 0.6 in [15 mm]                   |
| Shipping (Package) Weight | 0.7 oz [19.5 g]                  |

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#### Connector(s)

|                        |                 |
|------------------------|-----------------|
| Connector 1 (Quantity) | 1               |
| Connector 1            | MPO / MTP Fiber |
| Connector 2 (Quantity) | 1               |
| Connector 2            | MPO / MTP Fiber |

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***\*Product appearance and specifications are subject to change without notice.***