

MPO Loopback Plug, Single Mode 9/125 MPO-12 Female Fiber Loopback Adapter, MPO/MTP-APC Connector Loopback Test Plug, MPO Female Loopback Tester

Product ID: LOOPBACKMTP12OS2SMF



This Single Mode MPO Loopback Plug is a practical tool for verifying signal continuity, insertion loss, and port function in fiber optic networks. Ideal for technicians and IT Pros, it enables fast, consistent testing across MPO-based fiber connections.

This 9/125um MPO-12 Loopback Adapter is compatible with OS1 and OS2 cabling in point-to-point and structured installations. IEC and RoHS compliance ensures readiness for standardized deployments and testing in regulated environments.

Validate MPO transceivers, isolate faults, and confirm port behavior across high-speed parallel optic links. The fixed 12-fiber configuration with precision-aligned ferrules deliver clean signaling for accurate, reliable diagnostics.

The MPO-12 female connector attaches to male MPO/MTP interfaces with alignment pins, supporting high-density testing without disrupting adjacent connections. A durable ABS housing withstands wear from repeated use and is suitable for frequent testing in data centers and edge or on-prem installations.

Certifications, Reports and Compatibility



Applications

Features

- **Reliable Fiber Testing**: Create a loopback test connection with this MPO female Single Mode fiber loopback plug; Female MPO-12 connector for testing male MPO interfaces with fixed alignment pins; Test 12-fiber male MPO/MTP cables and QSFPs for continuity
- **Accurate Test Performance**: Maintain precise loopback signaling with insertion loss below 0.35dB; Repeatability within 0.2dB ensures consistent results across multiple connections; Return loss above 50dB minimizes back-reflection for stable signaling
- **Built for Durability**: Optimized for multiple test cycles using high-precision ceramic ferrules in a compact ABS housing; Built in compliance with IEC and RoHS standards for reliable testing in regulated environments
- **Field-Ready Design**: Compact form factor is ideal for technicians performing on-site diagnostics and fault isolation; Quickly troubleshoot cables and verify performance in single mode MPO/MTP patch panels and transceivers; Includes protective dust cap
- **The IT Pro's Choice**: Our network tools and testers are rigorously tested in our Innovation Lab to ensure enterprise-grade reliability and durability; Built for quick diagnostics and routine maintenance across copper and fiber networks; Backed by free lifetime 24/5 multi-lingual technical assistance

Hardware

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|----------------------|-------------|
| Warranty | 1 Year |
| Fiber Size | 9/125 |
| Fiber Classification | OS2 |
| Industry Standards | IEC 6175420 |

Performance

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|------------------|--------------------------------|
| Insertion Rating | Rated for 1,000 testing cycles |
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Environmental

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|-----------------------|---------------------------|
| Operating Temperature | -40C - 75C (-40F to 167F) |
| Storage Temperature | -40C - 75C (-40F to 167F) |
| Humidity | N/A |

Physical Characteristics

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|----------------|------------------|
| Color | Blue |
| Material | ABS |
| Product Length | 5.1 in [130 mm] |
| Product Width | 0.5 in [12.6 mm] |
| Product Height | 0.3 in [8.2 mm] |

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|-------------------|--------------|
| Weight of Product | 0.1 oz [4 g] |
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Packaging Information

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|----------------|------------------|
| Package Length | 4.7 in [12.0 cm] |
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|---------------|------------------|
| Package Width | 8.7 in [22.0 cm] |
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|----------------|-----------------|
| Package Height | 0.5 in [1.3 cm] |
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|---------------------------|----------------|
| Shipping (Package) Weight | 0.3 oz [9.0 g] |
|---------------------------|----------------|

What's in the Box

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|---------------------|--|
| Included in Package | 1 - MTP/MPO Fiber Loopback Plug - Female |
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****Product appearance and specifications are subject to change without notice.***