MPO Patch Cords

Overview

The Wave2Wave MPO Patch Cords deliver high-density optical connectivity for data centers, telecom networks, and cross-connect systems. Designed to terminate 12 or 24 fibers in a compact form factor, they efficiently consolidate multiple optical paths into a single interface.

Factory-terminated and fully tested for low insertion and return loss, these cords ensure consistent performance across demanding environments. With optional push-pull tabs for dense routing, clear labeling for easy traceability, and support for both single-mode and multimode systems, Wave2Wave MPO cords provide reliable, ready-to-deploy connectivity for high-capacity fiber infrastructures.





Optional Push-Pull Tab



12 Fiber MPO



24 Fiber MPO

Features & Benefits

- Ensures low IL/RL for stable, high-performance optical links
- Factory-terminated and tested to meet industry standards
- Ships ready for installation, reducing on-site prep time
- High-density MPO design replaces up to 24 individual connectors
- Precision guide pins ensure accurate fiber alignment
- Supports quick push/pull installation in tight spaces
- Labeled identification improves traceability and cable management
- Available in SM and MM with color-coded housings
- Plenum-rated jackets and custom configurations offered

Applications

- Data centers
- High-density cross-connects
- Backbone and structured cabling
- Telecom and carrier networks
- Test labs
- Equipment rooms

MTP® Performance Specifications					
		MM Elite (850 & 1300nm)	MM (850 & 1300nm)	SM Elite (APC) (1310 & 1550nm)	SM (APC) (1310 & 1550nm)
Insertion Loss (dB)	Typical	0.10	0.20	0.10	0.25
	Max	0.35	0.60	0.35	0.75
Return Loss (dB)	Max	-20	-20	-60	-60

Product Selection				
Part Number: 50ab-CDEFP-XXM				
ab (optional)	C	DE	F	XX
MF (male guide pins on one end) MM (male guide pins on both ends)	3 (SMF 9/125) 4 (OM3 50/125) 8 (OM4 50/125)	12 24	0 (PC) 2 (APC)	Length (Meters)

Additional Customizations Available

Standards Compliance

- EIA/TIA-455-21A
- IEC-61754-7
- TIS-604-5 (FOCIS 5)
- RoHS
- UL Rated