

# Optiwave™ Series MPO Cassettes

*LGX-Compatible, Pre-Terminated Fiber Breakout Solutions*

## Overview

The Fibertronics Inc. Optiwave™ MPO/MTP® Cassettes provide a streamlined, modular solution for high-density fiber connectivity in data centers, telecom networks, enterprise environments, and beyond. Each cassette serves as a breakout module that transitions from an MPO trunk cable to standard fiber optic connectors—such as LC, SC, FC, or ST—on the front of the cassette. These pre-terminated, factory-tested units eliminate the need for splicing, ensuring quick deployment, reliable performance, and easy scalability.

Designed with a standard LGX footprint, the cassettes integrate seamlessly into compatible patch panels and enclosures, supporting both horizontal and vertical installations. Built using premium Corning fiber and durable steel housings, Optiwave™ MPO Cassettes are engineered for long-term performance across a wide range of network environments.

## Key Features

- LGX-Compatible Design
- Flexible Port Configurations
- Rear MPO/MTP® Interface
- Pre-Terminated Fanout Assembly
- Premium Fiber Options
- High-Density Configuration
- Low Insertion & Return Loss
- Rugged Construction
- Flexible Mounting

## Typical Applications

- Data Centers
- Telecom Facilities
- Enterprise Networks
- FTTx Networks
- Broadcast & Media
- Industrial Environments
- Testing & Labs

## Technical Specifications

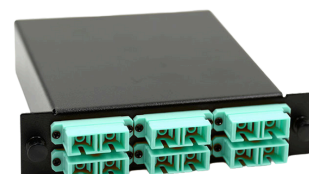
<b>Material</b>	16-Gauge Powder-Coated Steel
<b>Dimensions</b>	1.38" x 4.29" x 4.64" (35 x 109 x 118 mm)
<b>Mounting Compatibility</b>	LGX Compatible Panels (Horizontal or Vertical)
<b>RoHS Compliant</b>	Yes



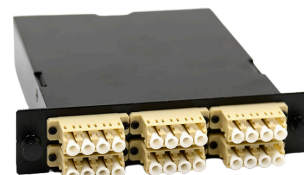
MPC-12LCAH19L



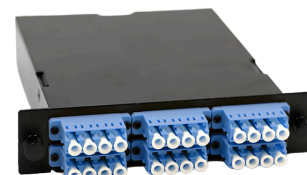
MPC-12SCH19L



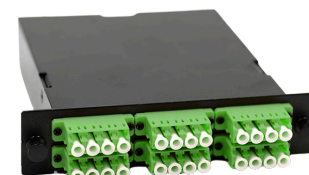
MPC-12SCL17L



MPC-24LCL26L



MPC-24LCH29L



MPC-24LCAH29L



## Optiwave™ Series MPO Cassettes

LGX-Compatible, Pre-Terminated Fiber Breakout Solutions

### Standard Configurations

Connector Type (Front)	Connector Finish	Fiber Count	MPO Gender	Fiber Mode
LC	UPC/APC	12, 24	Male/Female	OM1, OM3, OM4, OS2
SC	UPC/APC	12, 24	Male/Female	OM1, OM3, OM4, OS2
ST	UPC	6, 12	Male/Female	OM1, OM3, OM4, OS2
FC	UPC/APC	6, 12	Male/Female	OM1, OM3, OM4, OS2

### Ordering Information

To order, specify:

Connector Type:	MPO Gender:	Connector Finish:	Fiber Count:	Fiber Mode:
<ul style="list-style-type: none"><li>• LC</li><li>• SC</li><li>• ST</li><li>• FC</li></ul>	<ul style="list-style-type: none"><li>• Male</li><li>• Female</li></ul>	<ul style="list-style-type: none"><li>• UPC</li><li>• APC</li></ul>	<ul style="list-style-type: none"><li>• 6</li><li>• 12</li><li>• 24</li><li>• etc.</li></ul>	<ul style="list-style-type: none"><li>• OM1</li><li>• OM3</li><li>• OM4</li><li>• OS2</li></ul>

### Custom Options

Fibertronics Inc. offers a wide range of **custom MPO/MTP® cassette configurations** to meet your exact specifications. These include:

- Custom fiber modes, connector types, and fiber counts
- MPO-to-MPO pass-through cassettes and custom pinout mapping boxes
- Unique connector mixes or fiber breakout layouts
- Private labeling and special color coding for identification

To request a custom solution, contact our sales team at: [sales@fibertronics.com](mailto:sales@fibertronics.com)

