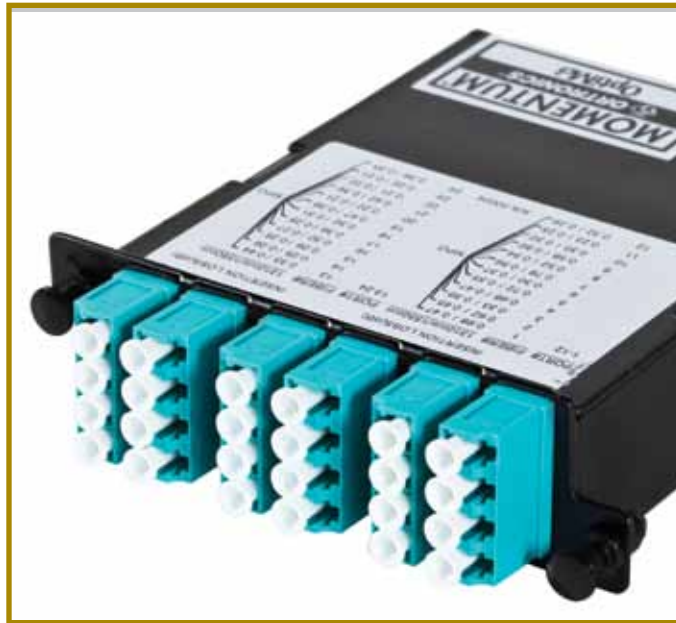


# OptiMo<sup>®</sup> Fiber Optic Solutions



Ideal for data center/SAN or enterprise LAN applications, OptiMo fiber optic solutions support common, convenient approaches to fiber optic cabling. Momentum<sup>®</sup> series modular optical cassettes provide a system that is simple to design, quick to install, highly reliable and error-proof. For a conventional field-installation as well as factory-terminated pigtailed for a splicing approach, we offer no-epoxy/no-polish and quick-cure anaerobic field-installable connectors. Also, for Secure Keyed LC fiber products, contact Legrand | Ortronics. For all your installations, OptiMo fiber solutions guarantee quality and performance.

## FEATURED PRODUCTS



Legrand | Ortronics is a solution developer partner within the Cisco Developer Network Program.

ENCLOSURES

CASSETTES

ADAPTER  
PANELS

PATCH  
CORDS

FIELD-  
INSTALLABLE  
CONNECTORS

FIBER OPTIC  
WORKSTATION



FC Series  
Rack Mount  
Cabinets

P. 157



**NEW**  
**P.157**  
OptiMo® High  
Density Rack  
Mount Fiber  
Cabinets



**P.164**  
Pre-loaded  
Rack Mount  
Fiber Cabinets



**P.168**  
615 Series  
Surface Mount  
Fiber Cabinets



**P.172**  
Momentum 4  
Modular  
Pre-Terminated  
Systems



**P.172**  
Momentum 2  
Modular  
Pre-Terminated  
Systems



**P.173**  
High  
Density  
Adapter  
Panels



**P.174**  
Adapter  
Panels



**P.175**  
SpaceSaver  
Fiber Optic  
Cable  
Assemblies



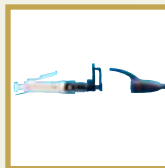
**P.177**  
Fiber Optic  
Cable  
Assemblies



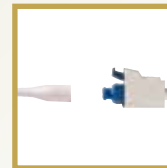
**P.180**  
Berk-Tek  
Pre-Terminated  
Backbone  
Cables



**NEW**  
**P.183**  
Lumen™  
Reusable  
Pre-Polished  
Connectors



**P.186**  
OptiMo  
Pre-Polished  
Connectors



**P.192**  
OptiMo  
Field-Installable  
Anaerobic  
Connectors



**P.194**  
Fib-or-Cop II



**P.195**  
TracJack  
Modules and  
Faceplates



**P.195**  
Series II  
Modules and  
Faceplates

\*MTP is a registered trademark of US Conec



Momentum  
Cassettes  
**P.170**



Adapter  
Panels  
**P.173**



# OPTIMO® FIBER OPTIC SOLUTIONS

Legrand | Ortronics offers innovative fiber optic solutions to meet all your needs with greater density, simpler installation, easier administration and higher performance.

The Ortronics® range of rack mount fiber enclosures offers a comprehensive selection of products ideally suited to both large and small fiber installations. All fiber cabinets and related hardware are compatible with Mighty Mo® advanced cable management systems, so one system meets all cabling needs.



**Choose the appropriate pre-terminated cassettes and adapter panels required for either the High Density system or for the standard density solution from the table below.**

ENCLOSURE	TYPE	CAPACITY	CASSETTE	ADAPTER PANEL	
<b>HIGH DENSITY</b>	OR-FC01U-M	Patch & Splice	High Density	OR-M4 Series	OR-HDFP Series
	OR-FC02U-M	Patch & Splice	High Density	OR-M4 Series	OR-HDFP Series
	OR-FC03U-M	Patch & Splice	High Density	OR-M4 Series	OR-HDFP Series
	OR-FC04U-M	Patch & Splice	High Density	OR-M4 Series	OR-HDFP Series
OR-FC01U-C	Patch & Splice	Standard Density	OR-M2 Series	OR-0FP Series	
OR-FC02U-C	Patch & Splice	Standard Density	OR-M2 Series	OR-0FP Series	
OR-FC03U-C	Patch & Splice	Standard Density	OR-M2 Series	OR-0FP Series	
OR-FC04U-C	Patch & Splice	Standard Density	OR-M2 Series	OR-0FP Series	
OR-FC01U-P	Patch	Standard Density	OR-M2 Series	OR-0FP Series	
OR-FC02U-P	Patch	Standard Density	OR-M2 Series	OR-0FP Series	
OR-FC03U-P	Patch	Standard Density	OR-M2 Series	OR-0FP Series	
OR-FC04U-P	Patch	Standard Density	OR-M2 Series	OR-0FP Series	
OR-FC01U-S	Splice	Standard Density	N/A	N/A	
OR-FC02U-S	Splice	Standard Density	N/A	N/A	
OR-FC03U-S	Splice	Standard Density	N/A	N/A	
OR-FC04U-S	Splice	Standard Density	N/A	N/A	

# ENCLOSURES

## Rack Mount Fiber Cabinets High Density

**NEW**

In today's data centers and SAN environments, space is often at a premium, making density more critical than ever. OptiMo® High Density (HD) solutions offer the same advanced performance and reliability that you've come to expect from Ortronics® standard density OptiMo products in a footprint designed for space-constrained installations. Using a comprehensive OptiMo HD solution of high density rack-mount fiber cabinets with either adapter panels or pre-terminated cassettes provides a complete fiber cross connect patching solution for applications where maximum density is required.



OR-FC01U-M



OR-FC02U-M



OR-FC03U-M



OR-FC04U-M



### OptiMo HD FC Series Rack-Mount Fiber Cabinets

OptiMo high density rack-mount fiber enclosures come complete with internal fiber management hardware and bend limiting clips for superior fiber management. These enclosures are compatible with all Ortronics Mighty Mo® equipment racks and cabinets. They are only able to accept M4 cassettes and HDFP adapter panels. They are optimally designed for 48 fiber splice trays.

PART NO.	DESCRIPTION
OR-FC01U-M	<ul style="list-style-type: none"> <li>High density 1U rack mount FC series fiber enclosure, black</li> <li>Holds 4 high density HDFP series adapter panels or M4 high density cassettes</li> <li>Holds two 48-F splice trays*</li> <li>Front locking door</li> <li>Fiber tray slides to the front or the rear</li> <li>LC capacity: 96 fibers</li> <li>1.75" high, 1 rack unit, 15.65 lbs/7.10kg</li> <li>Includes internal management clips</li> </ul>
OR-FC02U-M	<ul style="list-style-type: none"> <li>High density 2U rack mount FC series fiber enclosure, black</li> <li>Holds 8 high density HDFP series adapter panels or M4 high density cassettes</li> <li>Holds four 48-F splice trays*</li> <li>Front locking door</li> <li>Fiber tray slides to the front or the rear</li> <li>LC capacity: 192 fibers</li> <li>3.5" high, 2 rack units, 16.75 lbs/7.62g</li> <li>Includes bend limiting clips and internal management clips</li> </ul>
OR-FC03U-M	<ul style="list-style-type: none"> <li>High density 3U rack mount FC series fiber enclosure, black</li> <li>Holds 12 high density HDFP series adapter panels or M4 high density cassettes</li> <li>Holds seven 48-F splice trays*</li> <li>Front locking door</li> <li>Fiber tray slides to the front or the rear</li> <li>LC capacity: 288 fibers</li> <li>5.25" high, 3 rack units, 18.50 lbs/8.40kg</li> <li>Includes bend limiting clips and internal management clips</li> </ul>
OR-FC04U-M	<ul style="list-style-type: none"> <li>High density 4U rack mount FC series fiber enclosure, black</li> <li>Holds 16 high density HDFP series adapter panels or M4 high density cassettes</li> <li>Holds ten 48-F splice trays*</li> <li>Front locking door</li> <li>Fiber tray slides to the front or the rear</li> <li>LC capacity: 384 fibers</li> <li>7" high, 4 rack units, 20.65 lbs/9.36kg</li> <li>Includes bend limiting clips and internal management clips</li> </ul>

\* Splice tray capacity exceeds the fiber port capacity of the enclosures

# ENCLOSURES

## Rack Mount Fiber Cabinets Patching



OR-FC01U-P



OR-FC02U-P



OR-FC03U-P



OR-FC04U-P



### OptiMo® FC Series Fiber Patch Cabinets

Each fiber cabinet offers complete flexibility in terms of cable entry and exit, access to terminations from front and rear, and accommodates the unique needs of optical fiber bend radius limitation through enhanced patch cord management devices and novel internal fiber management components. These enclosures are only compatible with M2 cassettes and OFP adapter panels.

PART NO.	DESCRIPTION
OR-FC01U-P	<ul style="list-style-type: none"> <li>■ Holds three adapter panels or Momentum® cassettes</li> <li>■ Front locking door</li> <li>■ Fiber tray slides forward and backward</li> <li>■ ST, SC, FC capacity: 36 fibers</li> <li>■ MT-RJ, LC: 36 fibers</li> <li>■ LC quad: 72 fibers</li> <li>■ 1.75"H, 1 rack unit, 15.65 lbs/7.10 kg</li> <li>■ Includes internal management clips</li> </ul>
OR-FC02U-P	<ul style="list-style-type: none"> <li>■ Holds six adapter panels or Momentum cassettes</li> <li>■ Front locking door</li> <li>■ Fiber tray slides forward and backward</li> <li>■ ST, SC, FC capacity: 72 fibers</li> <li>■ MT-RJ, LC: 72 fibers</li> <li>■ LC quad: 144 fibers</li> <li>■ 3.5"H, 2 rack units, 16.75 lbs/7.62 kg</li> <li>■ Includes bend limiting clips and internal management clips</li> </ul>
OR-FC03U-P	<ul style="list-style-type: none"> <li>■ Holds nine adapter panels or Momentum cassettes</li> <li>■ Front locking door</li> <li>■ Fiber tray slides forward and backward</li> <li>■ ST, SC, FC capacity: 108 fibers</li> <li>■ MT-RJ, LC: 108 fibers</li> <li>■ LC quad: 216 fibers</li> <li>■ 5.25"H, 3 rack units, 18.50 lbs/8.40 kg</li> <li>■ Includes bend limiting clips and internal management clips</li> </ul>
OR-FC04U-P	<ul style="list-style-type: none"> <li>■ Holds twelve adapter panels or Momentum cassettes</li> <li>■ Front locking door</li> <li>■ Fiber tray slides forward and backward</li> <li>■ ST, SC, FC capacity: 144 fibers</li> <li>■ MT-RJ, LC: 144 fibers</li> <li>■ LC quad: 288 fibers</li> <li>■ 7"H, 4 rack units, 20.65 lbs/9.36 kg</li> <li>■ Includes bend limiting clips and internal management clips</li> </ul>

# ENCLOSURES

## Rack Mount Fiber Cabinets Patching & Splicing



OR-FC01U-C back/front view



OR-FC02U-C back/front view



OR-FC03U-C back/front view



OR-FC04U-C back/front view



### OptiMo® FC Series Fiber Patch and Splice Cabinets

Each fiber cabinet offers complete flexibility allowing the ability to patch and splice in the same cabinet. Each cabinet has optimized cable entry and exit points, allows access to terminations from front and rear, and accommodates the unique needs of optical fiber bend radius limitation through enhanced patch cord management devices and novel internal fiber management components. These enclosures are only compatible with M2 cassettes and OFP adapter panels.

PART NO.	DESCRIPTION
OR-FC01U-C	<ul style="list-style-type: none"> <li>■ Holds two (12 fiber) splice trays</li> <li>■ Holds three adapter panels</li> <li>■ Front locking door</li> <li>■ ST, SC, FC capacity: 36 fibers</li> <li>■ MT-RJ, LC: 36 fibers</li> <li>■ LC quad: 72 fibers</li> <li>■ 1.75"H, 1 rack unit, 15.65 lbs/7.10 kg</li> <li>■ Includes internal management clips</li> </ul>
OR-FC02U-C	<ul style="list-style-type: none"> <li>■ Holds six (12 fiber) splice trays</li> <li>■ Front locking door</li> <li>■ Holds six adapter panels</li> <li>■ ST, SC, FC capacity: 72 fibers</li> <li>■ MT-RJ, LC: 72 fibers</li> <li>■ LC quad: 144 fibers</li> <li>■ 3.5"H, 2 rack units, 16.75 lbs/7.62 kg</li> <li>■ Includes bend limiting clips and internal management clips</li> </ul>
OR-FC03U-C	<ul style="list-style-type: none"> <li>■ Holds 11 (12 fiber) splice trays</li> <li>■ Front locking door</li> <li>■ Holds nine adapter panels</li> <li>■ ST, SC, FC capacity: 108 fibers</li> <li>■ MT-RJ, LC: 108 fibers</li> <li>■ LC quad: 216 fibers</li> <li>■ 5.25"H, 3 rack units, 18.50 lbs/8.40 kg</li> <li>■ Includes bend limiting clips internal management clips</li> </ul>
OR-FC04U-C	<ul style="list-style-type: none"> <li>■ Holds 16 (12 fiber) splice trays</li> <li>■ Front locking door</li> <li>■ Holds 12 adapter panels</li> <li>■ ST, SC, FC capacity: 144 fibers</li> <li>■ MT-RJ, LC: 144 fibers</li> <li>■ LC quad: 288 fibers</li> <li>■ 7"H, 4 rack units, 20.65 lbs/9.36 kg</li> <li>■ Includes bend limiting clips and internal management clips</li> </ul>

NOTE: Splice trays sold separately.

# ENCLOSURES

## Rack Mount Fiber Cabinets **Splicing**



OR-FC01U-S



OR-FC02U-S



OR-FC03U-S



OR-FC04U-S



### Fiber Splice Cabinets

Ortronics® splice cabinets provide interconnect or cross connect facilities between horizontal and backbone inside plant (ISP) or outside plant (OSP) cables. Each fiber cabinet offers high density splicing with internal fiber management accessories, has optimized cable entry and exit points, allows access to terminations from front and rear, and accommodates the unique needs of optical fiber bend radius limitation with novel internal fiber management components. Includes internal fiber management clips.

PART NO.	DESCRIPTION
OR-FC01U-S	<ul style="list-style-type: none"> <li>■ Holds four (12 fiber) splice trays</li> <li>■ Front locking door</li> <li>■ 1.75"H, 1 rack unit, 15.65 lbs/7.10 kg</li> </ul>
OR-FC02U-S	<ul style="list-style-type: none"> <li>■ Holds twelve (12 fiber) splice trays</li> <li>■ Front locking door</li> <li>■ 3.5"H, 2 rack units, 16.75 lbs/7.62 kg</li> </ul>
OR-FC03U-S	<ul style="list-style-type: none"> <li>■ Holds twenty-two (12 fiber) splice trays</li> <li>■ Front locking door</li> <li>■ 5.25"H, 3 rack units, 18.50 lbs/8.40 kg</li> </ul>
OR-FC04U-S	<ul style="list-style-type: none"> <li>■ Holds thirty-two (12 fiber) splice trays</li> <li>■ Front locking door</li> <li>■ 7" H, 4 rack units, 20.65 lbs/9.36 kg</li> </ul>

NOTE: Splice trays sold separately.

# ENCLOSURES

## Rack Mount Fiber Cabinet Accessories

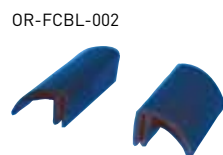


### D-Ring Cable Management Straps

Ortronics® D-ring cable management straps include a D-ring for easy adjustments. The straps have a hook and loop type closure to secure and administer cables without damage. Package of 12.

PART NO.	DESCRIPTION
OR-70700107-00	Black, .75" W x 12"L

NOTE: For additional styles and colors, see page 132.



### Fiber Cabinet Bend Limiting Clips

Helps maintain minimum bend radius and prevent micro bends on sharp edges of front and rear access points.

PART NO.	DESCRIPTION
OR-FCBL-002	Pack of 2



### Tray Lock Kit

The tray lock kit can be easily installed into any FC Series cabinet tray to prevent it from sliding forward or backwards.

PART NO.	DESCRIPTION
OR-FCTL-001	Tray lock kit



### Cable Fastening Bracket

Provides robust backbone cable retention for FC cabinets when installing from above or below cabinet. Accommodates cable of all diameters; fastens using flexible and strong hook/loop straps.



PART NO.	DESCRIPTION
OR-FCBR-001	For use with 1 rack unit cabinet, top position
OR-FCBR-002	For use with 2, 3, and 4 rack unit cabinet, top position
OR-FCBR-003	For use with 2, 3, and 4 rack unit cabinet, bottom position

NOTE: Two hook and loop straps included.



# ENCLOSURES

## Rack Mount Fiber Cabinet Accessories **OptiMo® FC Series**

OR-70800158



### Internal Fiber Management Clips

PART NO.	DESCRIPTION
OR-70800158	Kit of eight clips



Fiber management clips installed

OR-FST2-F012



### Splice Tray for Fusion Splices

Transparent stackable design with hinged cover and mylar insert. Ideal for VFL verification.

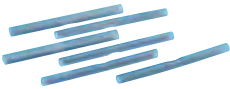
PART NO.	DESCRIPTION
OR-FST2-F012	Fusion splice tray for 12 splices
OR-FST3-F048	Fusion splice tray for 48 splices*

\* OR-FST3-F048 requires the use of OR-20500337 splice sleeves

OR-FST2-F048



OR-20500043



### Splice Protection

PART NO.	DESCRIPTION
OR-20500043	Heat shrink sleeves, 40 mm, package of 50, 3.0 mm
OR-20500337	Heat shrink sleeves, 40 mm, package of 50, 2.5 mm

OR-61500858



### OptiMo Breakout Kits

To be used with loose tube cables.

PART NO.	DESCRIPTION
OR-61500858	Breakout kit, 12 fiber
OR-61500868	Breakout kit, 6 fiber

# ENCLOSURES

## Rack Mount Fiber Cabinet Accessories **OptiMo® FC Series**

OR-ECDL001



### Enclosure Door Key Lock Kit

PART NO.	DESCRIPTION
OR-ECDL001	Enclosure door key lock kit

NOTE: Also compatible with EC series

OR-ECDL002



### Enclosure Thumbblatch Kit

PART NO.	DESCRIPTION
OR-ECDL002	Enclosure thumbblatch kit

NOTE: Also compatible with EC series

OR-FCWK-01



### Enclosure Cable Management Kit

PART NO.	DESCRIPTION
OR-FCWK-01	Enclosure cable management kit Pack of 2 bend limiting clips plus edgeguards

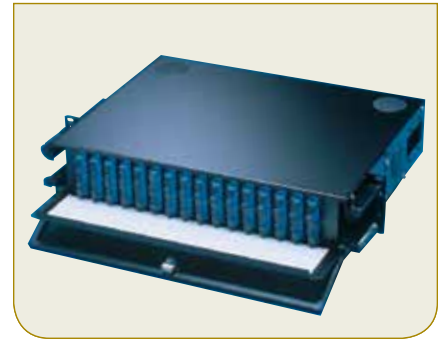
## ENCLOSURES

### Rack Mount Fiber Cabinets 625 Series Pre-Loaded

The Ortronics® range of pre-loaded rack mount fiber enclosures (625 Series) provides a comprehensive range ideally suited to both large and small installations. These enclosures are offered in 1U and 2U as a standard product. 625 Series fiber cabinet products are available with LC and SC adapters for single-mode or multimode applications.

- Pre-loaded with fiber adapters for simple, quick installations
- Slide-out drawer provides easy access for quick, reliable fiber termination and fiber management
- Bend limiters included to support minimum bend radius requirements ensuring low loss transmission\*
- Universal mounting (19" or 23") for most rack types with standard EIA hole pattern
- Internal fiber management ring to provide proper bend radius and slack storage of excess fiber
- Termination access from front, top, and rear for internal fiber termination and management

\* 2U pre-loaded cabinets only



#### Multimode, Face Recessed, 1 Rack Unit

OR-625MMC-12PF1RB



OR-625MMC-24PF1RB



PART NO.	DESCRIPTION
OR-625MMC-24PL1RB	12-LC duplex (24 fibers) multimode, beige adapters, phosphor-bronze alignment sleeves
OR-625MMC-12PD1RB	6-SC duplex (12 fibers) multimode, beige adapters, phosphor-bronze alignment sleeves
OR-625MMC-12PF1RB	12-SC simplex (12 fibers) multimode, beige adapters, phosphor-bronze alignment sleeves
OR-625MMC-48PL1RB	24-LC duplex (48 fibers) multimode, beige adapters, phosphor-bronze alignment sleeves
OR-625MMC-24PD1RB	12-SC duplex (24 fibers) multimode, beige adapters, phosphor-bronze alignment sleeves
OR-625MMC-24PF1RB	24-SC simplex (24 fibers) multimode, beige adapters, phosphor-bronze alignment sleeves

#### Multimode, 2 Rack Units

OR-625MMC-96PL1B



OR-625MMC-48PD1B



PART NO.	DESCRIPTION
OR-625MMC-96PL1B	48-LC duplex (96 fibers) multimode, beige adapters, phosphor-bronze alignment sleeves
OR-625MMC-48PD1B	24-SC duplex (48 fibers) multimode, beige adapters, phosphor-bronze alignment sleeves

#### Single-mode, Face Recessed, 1 Rack Unit

OR-625MMC-12PE1RB



OR-625MMC-24PE1RB



PART NO.	DESCRIPTION
OR-625MMC-24PP1RB	12-LC duplex (24 fibers) single-mode, blue adapters, ceramic alignment sleeves
OR-625MMC-12PE1RB	6-SC duplex (12 fibers) single-mode, blue adapters, ceramic alignment sleeves
OR-625MMC-48PP1RB	24-LC duplex (48 fibers) single-mode, blue adapters, ceramic alignment sleeves
OR-625MMC-24PE1RB	12-SC duplex (24 fibers) single-mode, blue adapters, ceramic alignment sleeves
OR-625MMC-24PG1RB	24-SC simplex (24 fibers) single-mode, blue adapters, ceramic alignment sleeves

#### Single-mode, 2 Rack Units

OR-625MMC-48PG1B



OR-625MMC-96PP1B



PART NO.	DESCRIPTION
OR-625MMC-96PP1B	48-LC duplex (96 fibers) single-mode, blue adapters, ceramic alignment sleeves
OR-625MMC-48PE1B	24-SC duplex (48 fibers) single-mode, blue adapters, ceramic alignment sleeves
OR-625MMC-48PG1B	48-SC simplex (48 fibers) single-mode, blue adapters, ceramic alignment sleeves

# ENCLOSURES

## OptiMo® Raised Floor Fiber Patch Panels



NOTE: Raised floor boxes are available through Legrand/Wiremold.

Ortronics® OptiMo raised floor patch panel allows data center managers and designers to take advantage of under-utilized installation space beneath the raised floor structure, providing greater flexibility in structured cabling design and maximizing usage of premium data center floor space.

Specifically designed to be installed in raised floor enclosures that are part of the cabling pathways, the OptiMo raised floor fiber patch panels address the special bend radius and depth requirements of fiber optic cabling systems.

Features	Benefits
<ul style="list-style-type: none"> <li>Fiber patch panel for underfloor installation</li> </ul>	<ul style="list-style-type: none"> <li>Allows data center manager to take advantage of under-utilized space beneath raised floor</li> </ul>
<ul style="list-style-type: none"> <li>19" wide, 1 unit or 2 unit high models available</li> </ul>	<ul style="list-style-type: none"> <li>Provides the flexibility to suit any installation</li> </ul>
<ul style="list-style-type: none"> <li>Designed for installation within 2' x 2' underfloor box with angled mounting rails</li> </ul>	<ul style="list-style-type: none"> <li>Horizontal patch panel orientation</li> </ul>
<ul style="list-style-type: none"> <li>Removable/reusable labeling cards</li> </ul>	<ul style="list-style-type: none"> <li>Convenient and accurate cabling administration and record keeping that is easily removed to provide rear patching access</li> </ul>

**NEW**

OR-RFPHD01U



### High Density Flush mounting rails

PART NO.	DESCRIPTION
OR-RFPHD01U	<ul style="list-style-type: none"> <li>1 rack unit</li> <li>Holds four High Density adapter panels (HDFP Series) or four Momentum 4 cassettes</li> <li>LC quad, 96 fibers</li> </ul>
OR-RFPHD02U	<ul style="list-style-type: none"> <li>2 rack units</li> <li>Holds eight High Density adapter panels (HDFP Series) or eight Momentum 4 cassettes</li> <li>LC quad, 192 fibers</li> </ul>

OR-RFPHD02U



OR-RFP01U



### Flush mounting rails

PART NO.	DESCRIPTION
OR-RFP01U	<ul style="list-style-type: none"> <li>1 rack unit</li> <li>Holds three standard adapter panels (OFP Series) or three Momentum 2 cassettes</li> <li>ST, SC, FC capacity: 36 fibers</li> <li>MT-RJ, LC: 36 fibers</li> <li>LC quad: 72 fibers</li> </ul>
OR-RFP02U	<ul style="list-style-type: none"> <li>2 rack units</li> <li>Holds six standard adapter panels (OFP Series) or six Momentum 2 cassettes</li> <li>ST, SC, FC capacity: 72 fibers</li> <li>MT-RJ, LC: 72 fibers</li> <li>LC quad: 144 fibers</li> </ul>

OR-RFP02U



# ENCLOSURES

## OptiMo® Raised Floor Fiber Patch Panel Rails

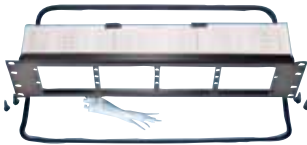
**NEW**

### High Density angled mounting rails 45°

OR-RFPAHD01U



OR-RFPAHD02U



PART NO.	DESCRIPTION
OR-RFPAHD01U	<ul style="list-style-type: none"> <li>1 rack unit</li> <li>Holds four High Density adapter panels (HDFP Series)</li> <li>Holds four Momentum 4 cassettes</li> <li>LC quad, 96 fibers</li> </ul>
OR-RFPAHD02U	<ul style="list-style-type: none"> <li>2 rack units</li> <li>Holds eight High Density adapter panels (HDFP Series)</li> <li>Holds eight Momentum 4 cassettes</li> <li>LC quad: 192 fibers</li> </ul>

### Angled mounting rails 45°

OR-RFPA01U



OR-RFPA02U



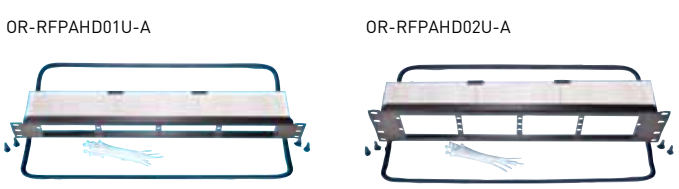
PART NO.	DESCRIPTION
OR-RFPA01U	<ul style="list-style-type: none"> <li>1 rack unit</li> <li>Holds three standard adapter panels (OFP Series)</li> <li>Holds three Momentum 2 cassettes</li> <li>ST, SC, FC: 18 fibers</li> <li>MT-RJ, LC: 36 fibers</li> <li>High density ST, SC: 36 fibers</li> <li>LC quad: 72 fibers</li> </ul>
OR-RFPA02U	<ul style="list-style-type: none"> <li>2 rack units</li> <li>Holds six standard adapter panels (OFP Series)</li> <li>Holds six Momentum 2 cassettes</li> <li>ST, SC, FC: 36 fibers</li> <li>MT-RJ, LC: 72 fibers</li> <li>High density ST, SC: 72 fibers</li> <li>LC quad: 144 fibers</li> </ul>

# ENCLOSURES

## OptiMo® Raised Floor Fiber Patch Panel Rails

NEW

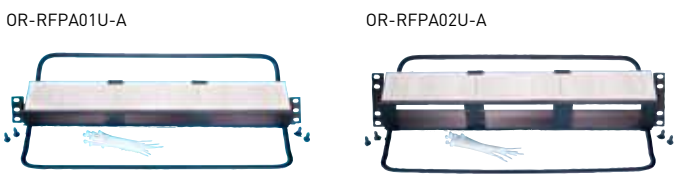
### High Density angled mounting rails 56°- 60°



PART NO.	DESCRIPTION
OR-RFPAHD01U-A	<ul style="list-style-type: none"> <li>1 rack unit</li> <li>Holds four High Density adapter panels (HDFP Series)</li> <li>Holds four Momentum 4 cassettes</li> <li>LC quad, 96 fibers</li> </ul>
OR-RFPAHD02U-A	<ul style="list-style-type: none"> <li>2 rack units</li> <li>Holds eight High Density adapter panels (HDFP Series)</li> <li>Holds eight Momentum 4 cassettes</li> <li>LC quad: 192 fibers</li> </ul>

NOTE: Please contact raised floor enclosure manufacturer to verify rail angle.  
 NOTE: May require stand-off bracket kit when using Momentum cassettes

### Angled mounting rails 56°- 60°



PART NO.	DESCRIPTION
OR-RFPA01U-A	<ul style="list-style-type: none"> <li>1 rack unit</li> <li>Holds three standard adapter panels (OFP Series)</li> <li>Holds three Momentum 2 cassettes</li> <li>ST, SC, FC: 18 fibers</li> <li>MT-RJ, LC: 36 fibers</li> <li>High density ST, SC: 36 fibers</li> <li>LC quad: 72 fibers</li> </ul>
OR-RFPA02U-A	<ul style="list-style-type: none"> <li>2 rack units</li> <li>Holds six standard adapter panels (OFP Series)</li> <li>Holds six Momentum 2 cassettes</li> <li>ST, SC, FC: 36 fibers</li> <li>MT-RJ, LC: 72 fibers</li> <li>High density ST, SC: 72 fibers</li> <li>LC quad: 144 fibers</li> </ul>

NOTE: Please contact raised floor enclosure manufacturer to verify rail angle.  
 NOTE: May require stand-off bracket kit when using Momentum cassettes



**Angled Stand-off Bracket Kit**  
 Kit used with raised floor enclosure with 56°-60° mounting rails. These stand-off brackets may be needed to extend the mounting surface of the raised floor enclosure to accommodate the depth limitations of some 2' x 2' raised floor enclosures. Includes left and right bracket.

PART NO.	DESCRIPTION
OR-60400968	Kit used with raised floor enclosure

## ENCLOSURES

### Surface Mount Cabinets

Ortronics® 615 Series surface mount fiber cabinets secure, protect, and organize up to 384 single-mode or multimode optical terminations.

- Standard OFP Series adapter panels snap in for easy installation, removal, and expansion
- Surface/wall mountable is ideal for space limited installations
- Top/bottom cable entry simplifies installations, moves, adds, and changes
- Internal cable management included—facilitates organization and clean installations
- Open designs with available latch are economical and easily accessible

NOTE: Contact Legrand | Ortronics sales for cassette compatibility



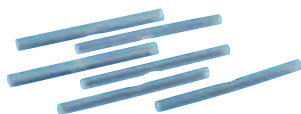
### 615 Series Surface Mount Fiber Cabinets

PART NO.	DESCRIPTION		
OR-615SMFC-12P			<b>PART NO.</b> <b>DESCRIPTION</b>
OR-615SMFC-12P	<ul style="list-style-type: none"> <li>■ Patch cabinet: Holds two adapter panels</li> <li>■ ST, SC, FC: 12 fibers</li> <li>■ ST Duplex, SC: 24 fibers</li> <li>■ MT-RJ, LC: 24 fibers</li> <li>■ LC quad: 48 fibers</li> <li>■ Open access, 10" x 9" x 3.5", latching door, 5.5 lbs</li> </ul>		
OR-615SMFC-24P			<b>OR-615SMFC-LX-12P</b>
OR-615SMFC-24P	<ul style="list-style-type: none"> <li>■ Patch cabinet: Holds two adapter panels</li> <li>■ ST, SC, FC: 12 fibers</li> <li>■ ST Duplex, SC: 24 fibers</li> <li>■ MT-RJ, LC: 24 fibers</li> <li>■ LC quad: 48 fibers</li> <li>■ 10" x 9" x 3.5", locking door, 6.0 lbs</li> </ul>		
OR-615SMFC-48P			<b>OR-615SMFC-24P</b>
OR-615SMFC-48P	<ul style="list-style-type: none"> <li>■ Patch cabinet: Holds four adapter panels</li> <li>■ ST, SC, FC: 24 fibers</li> <li>■ ST Duplex, SC: 48 fibers</li> <li>■ MT-RJ, LC: 48 fibers</li> <li>■ LC quad: 96 fibers</li> <li>■ 12" x 12" x 3.5", 9.0 lbs</li> </ul>		
OR-615SMFC-96P			<b>OR-615SMFC-24P/S</b>
OR-615SMFC-96P	<ul style="list-style-type: none"> <li>■ Patch/splice cabinet: Holds four adapter panels</li> <li>■ ST, SC, FC: 24 fibers</li> <li>■ ST Duplex, SC: 48 fibers</li> <li>■ MT-RJ, LC: 48 fibers</li> <li>■ LC quad: 96 fibers</li> <li>■ Holds four, 12-fiber, 7" splice trays (holds up to 48 splices)</li> <li>■ 12" x 16" x 3.5", 9.0 lbs</li> </ul>		
			<b>OR-615SMFC-48P</b>
	<ul style="list-style-type: none"> <li>■ Patch cabinet: Holds eight adapter panels</li> <li>■ ST, SC, FC: 48 fibers</li> <li>■ ST Duplex, SC: 96 fibers</li> <li>■ MT-RJ, LC: 96 fibers</li> <li>■ LC quad: 192 fibers</li> <li>■ 22" x 12" x 3.5", 15.0 lbs</li> </ul>		
			<b>OR-615SMFC-48P/S</b>
	<ul style="list-style-type: none"> <li>■ Patch/splice cabinet: Holds eight adapter panels, same chassis as OR-615SMFC-48P</li> <li>■ Holds four 12-fiber splice trays, 7" splice trays (up to 48 fibers)</li> <li>■ 22" x 12" x 3.5", 15.0 lbs</li> </ul>		
			<b>OR-615SMFC-96P</b>
	<ul style="list-style-type: none"> <li>■ Patch cabinet: Holds 16 adapter panels</li> <li>■ ST, SC, FC: 96 fibers</li> <li>■ ST Duplex, SC: 192 fibers</li> <li>■ MT-RJ, LC: 192 fibers</li> <li>■ LC quad: 384 fibers</li> <li>■ 16.75" x 13.5" x 7", 20 lbs</li> </ul>		

# ENCLOSURES

## Surface Mount Cabinet Accessories

OR-20500043



### Splice Protection

PART NO.	DESCRIPTION
OR-20500043	Heat shrink sleeves, 40 mm, package of 50, 3.0 mm

OR-62600002



### 7" Splice Trays

PART NO.	DESCRIPTION
OR-62600002	Mechanical, 12 fibers*
OR-62600003	Fusion, 12 fibers*

\*For use with surface mount cabinet only.

OR-62600003



OR-61500858



### OptiMo Breakout Kits

To be used with loose tube cables.

PART NO.	DESCRIPTION
OR-61500858	Breakout kit, 12 fiber
OR-61500868	Breakout kit, 6 fiber



## CASSETTES

Ideal for data centers and SANs, the Momentum® series is a modular, pre-terminated cabling system that integrates optical cassettes with advanced fiber cable in the backbone. It's simple to use, fast to install, and the connectors are factory terminated and tested. The cassettes are supported by a range of rack-mount and underfloor patch panels for convenient installation.

### It's the System That Counts

The performance of a fiber optic cabling system needs to be viewed from a system standpoint and not just as an assembly of individual components.

The optical loss performance of a modular cassette-based MTP\*/MPO link is primarily affected by connector end-face polishing and connector end preparation at the factory. Therefore, it is essential that the MTP/MPO backbone cables and patch cords are prepared with a high-quality process that complements the cassette manufacturing process, otherwise, the expected end-to-end link insertion loss performance will not be realized.

In addition, the low DMD Gigalite 10-XB (OM4+) glass fiber used in all Ortronics 50 micron Laser Optimized Multimode Fiber (LOMF) cassettes allows the ISI (inter-symbol interference) penalty to be reallocated to the channel budget\*\*. When used with the corresponding Gigalite 10-XB backbone MTP/MPO cables and patch cords, the system designer can realize a significant link loss budget improvement that may be used for additional splices, connections or extended distances runs.

• **Simply put, to achieve improved**  
• **performance you need high or**  
• **premium cassettes with matching**  
• **backbone and patch cables.**

\* MTP is a registered trademark of US Conec

\*\* See the NetClear website: [www.netclear-channel.com/nc/solutions/dc-san/fiber-tech](http://www.netclear-channel.com/nc/solutions/dc-san/fiber-tech)

# CASSETTES

## Momentum® Modular Pre-Terminated Systems



Patch Cords	Momentum Pre-Terminated Cassette	MTP to MTP Backbone cable	Momentum Pre-Terminated Cassette	Patch Cords
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### PREMIUM PERFORMANCE SYSTEM

Patch Cords/Pigtails 0.15 dB max	Cassettes 0.50 dB max	Berk-Tek MTP-MTP Backbone Cables 0.35 dB max	Cassettes 0.50 dB max	Patch Cords/Pigtails 0.15 dB max
P3 Series	M4LCQ24-50EA3A1 M2LCQ24-50E3A1	12F loose tube MDP or Adventum, MTP 0.35 dB Loss	M4LCQ24-50EA3A1 M2LCQ24-50E3A1	P3 Series

### HIGH PERFORMANCE SYSTEM

Patch Cords/Pigtails 0.15 dB max	Cassettes 0.75 dB max	Berk-Tek MTP-MTP Backbone Cables 0.50 dB max	Cassettes 0.75 dB max	Patch Cords/Pigtails 0.15 dB max
P3 Series	M4LCQ24-50E M2LCQ24-50E	12F loose tube MDP or Adventum, MTP 0.50 dB Loss	M4LCQ24-50E M2LCQ24-50E	P3 Series 0.15 dB Loss

### STANDARD PERFORMANCE SYSTEM

Patch Cords/Pigtails	Cassettes 1.25 dB max	Berk-Tek MTP-MTP Backbone Cables 0.75 dB max	Cassettes 1.25 dB max	Patch Cords/Pigtails
P1 Series 0.50 dB max MM 0.30 dB max SM	M4LCQ24-50E M2LCQ24-50E M2LCD12-50E M2SCD12-50E also available in single-mode and 62.5	12F-72F loose tube MDP or Adventum, MTP Standard Loss	M4LCQ24-50E M2LCQ24-50E M2LCD12-50E M2SCD12-50E also available in single-mode and 62.5	P1 Series 0.50 dB max MM 0.30 dB max SM

## CASSETTES

### Momentum® 4 Modular Pre-Terminated Systems

NEW

OR-M4LCQ24-50EA3A1



OR-M4LCQ24-09



OR-M4LCQ24-62



#### Momentum 4 Cassettes

Momentum 4 modular fiber optic pre-terminated cassettes combine the plug-and-play functionality of our standard cassette with the high density footprint accommodating 96 fibers in one rack unit.

The Momentum 4 High Density Cassette fully supports the latest networking standards through 10 Gb/s and beyond. It is available in three performance levels for Laser Optimized Multimode 50 micron fiber. Each cassette has a data label with insertion loss value for each port.

- Premium Performance cassette/mated pair insertion loss: 0.50dB
- High Performance cassettes/mated pair insertion loss: 0.75dB
- Standard Performance cassette/mated pair insertion loss: 1.25dB
- 1.05dB total insertion loss for Single-mode system.
- Insertion loss value for each port printed on adhesive data label

PART NO.	DESCRIPTION
OR-M4LCQ24-50EA3A1	LC Quad, 24 fiber, 50-micron LOMF*, 2 MTP**(M), premium performance, single unit
OR-M4LCQ24-50E	LC Quad, 24 fiber, 50-micron LOMF*, 2 MTP(M), high performance, single unit
OR-M4LCQ24-09	LC Quad, 24 fiber, single-mode, 2 MTP(M), high performance, single unit
OR-M4LCQ24-62	LC Quad, 24 fiber, 62.5-micron multimode, 2 MTP(M), high performance, single unit

\* Effective modal bandwidth 4900 MHz-km @ 850nm  
 \*\* MTP is a registered trademark of US Conec.

## CASSETTES

### Momentum 2 Modular Pre-Terminated Systems

OR-M2LCQ24-50E



OR-M2LCD12-50E



OR-M2LCD12-09



#### Momentum 2 Cassettes

Momentum 2 modular fiber optic pre-terminated cassettes provide the fastest method of structured cabling deployment: plug it in and you're ready to go. Factory-terminated/tested cassettes guarantee field performance.

Full support of today's most rigorous transmission technologies up through 10 Gb/s.

- 1.05 dB total insertion loss for single-mode
- Single unit footprint for space savings in patch panels and cabinets.
- Data label printed with insertion loss value for each port adhered to the cassette housing.

PART NO.	DESCRIPTION
OR-M2LCQ24-50E3A1	LC Quad, 24 fiber, 50-micron LOMF*, 2 MTP(M), premium performance, single unit
OR-M2LCQ24-50E	LC Quad, 24 fiber, 50-micron LOMF*, 2 MTP(M), high performance, single unit
OR-M2LCQ24-09	LC Quad, 24 fiber, single-mode, 2 MTP(M), high performance, single unit
OR-M2LCD12-50E	LC Duplex, 12 fiber, 50-micron LOMF*, 2 MTP(M), high performance, single unit
OR-M2LCD12-09	LC Duplex, 12 fiber, single-mode, 2 MTP(M), high performance, single unit
OR-M2SCD12-50E	SC Duplex, 12 fiber, 50-micron LOMF*, 2 MTP(M), high performance, single unit
OR-M2SCD12-09	SC Duplex, 12 fiber, single-mode, 2 MTP(M), high performance, single unit

\*Effective Modal Bandwidth: 4900 MHz-km @ 850nm  
 NOTE: Other cassette fiber types are available. Contact Legrand | Ortronics sales.

# ADAPTER PANELS

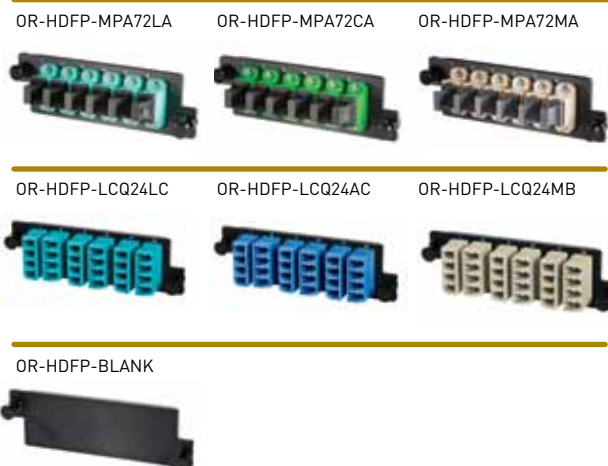
The Ortronics® OptiMo® OFP and HDFP series adapter panels are used with our popular FC Series modular fiber cabinets, offering great flexibility in structured cabling design. Front-removable adapter panels are available with LC, SC, ST, and MT-RJ adapters and feature options ideal for both single-mode and multimode applications. They are held securely in place with plunger/grommet fasteners.

Where applicable, the adapters used (LC, SC, and ST) contain application specific alignment sleeves to ensure optimal performance in conjunction with the economic constraints of network design.

For common multimode applications, phosphor-bronze (metal) alignment sleeves are used. With the increasing demands of high bandwidth multimode systems, like those containing laser-optimized multimode fiber, ceramic alignment sleeves are recommended. Finally, to ensure dependable transmission, ceramic sleeves are always used in single-mode applications.

NEW

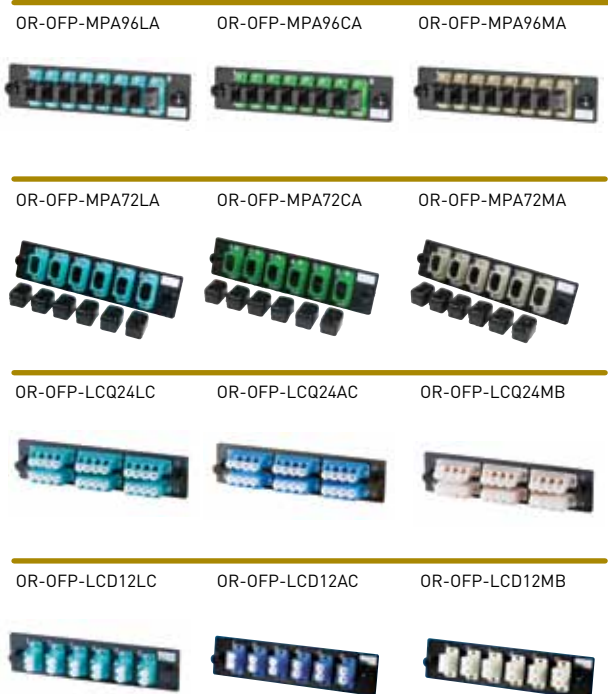
## High Density Adapter Panels



PART NO.	DESCRIPTION
OR-HDFP-MPA72LA	HD, 6-MPO adapter panel, feed-through, multimode, aqua adapters, Type A*
OR-HDFP-MPA72CA	HD, 6-MPO adapter panel, feed-through, single-mode, green adapters, Type A*
OR-HDFP-MPA72MA	HD, 6-MPO adapter panel, feed-through, multimode, beige adapters, Type A*
OR-HDFP-LCQ24LC	HD, 6-LC Quad (24 fiber) adapter panel, multimode, aqua adapters, ceramic alignment sleeves
OR-HDFP-LCQ24AC	HD, 6-LC Quad (24 fiber) adapter panel, single-mode, blue adapters, ceramic alignment sleeves
OR-HDFP-LCQ24MB	HD, 6-LC Quad (24 fiber) adapter panel, multimode, beige adapters, phosphor-bronze alignment sleeves
OR-HDFP-BLANK	HD, Blank Panel, black

\*Type A MPO adapters are Key Up/Key Down

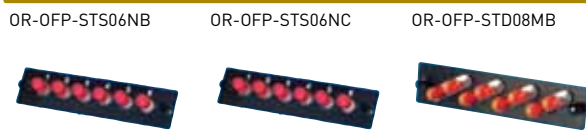
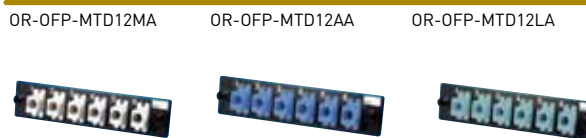
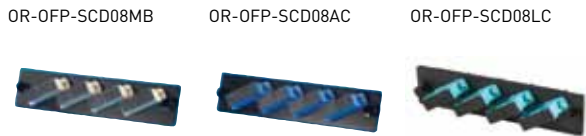
## Adapter Panels



PART NO.	DESCRIPTION
OR-OFP-MPA96LA	8-MPO adapter panel, feed-through, multimode, aqua adapters, Type A*
OR-OFP-MPA96CA	8-MPO adapter panel, feed-through, single-mode, green adapters, Type A*
OR-OFP-MPA96MA	8-MPO adapter panel, feed-through, multimode, beige adapters, Type A*
OR-OFP-MPA72LA	6-MPO adapter panel, feed-through, multimode, aqua adapters, Type A*
OR-OFP-MPA72CA	6-MPO adapter panel, feed-through, single-mode, green adapters, Type A*
OR-OFP-MPA72MA	6-MPO adapter panel, feed-through, multimode, beige adapters, Type A*
OR-OFP-LCQ24LC	6-LC Quad (24 fiber) adapter panel, multimode, aqua adapters, ceramic alignment sleeves
OR-OFP-LCQ24AC	6-LC Quad (24 fiber) adapter panel, single-mode, blue adapters, ceramic alignment sleeves
OR-OFP-LCQ24MB	6-LC Quad (24 fiber) adapter panel, multimode, beige adapters, phosphor-bronze alignment sleeves
OR-OFP-LCD12LC	6-LC Duplex (12 fiber) adapter panel, multimode, aqua adapters, ceramic alignment sleeves
OR-OFP-LCD12AC	6-LC Duplex (12 fiber) adapter panel, single-mode, blue adapters, ceramic alignment sleeves
OR-OFP-LCD12MB	6-LC Duplex (12 fiber) adapter panel, multimode, beige adapters, phosphor-bronze alignment sleeves

\*Type A MPO adapters are Key Up/Key Down

# ADAPTER PANELS



PART NO.	DESCRIPTION
OR-OFP-SCD06MB	3-SC duplex (6 fibers) multimode, beige adapters, phosphor-bronze alignment sleeves*
OR-OFP-SCD06AC	3-SC duplex (6 fibers) single-mode, blue adapters, ceramic alignment sleeves*
OR-OFP-SCD06LC	3-SC duplex (6 fibers) multimode, aqua adapters, ceramic alignment sleeves*
OR-OFP-SCD08MB	4-SC duplex (8 fibers) multimode, beige adapters, phosphor-bronze alignment sleeves
OR-OFP-SCD08AC	4-SC duplex (8 fibers) single-mode, blue adapters, ceramic alignment sleeves
OR-OFP-SCD08LC	4-SC duplex (8 fibers) multimode, aqua adapters, ceramic alignment sleeves
OR-OFP-SCD12MB	6-SC duplex (12 fibers) multimode, beige adapters, phosphor-bronze alignment sleeves
OR-OFP-SCD12AC	6-SC duplex (12 fibers) single-mode, blue adapters, ceramic alignment sleeves
OR-OFP-SCD12LC	6-SC duplex (12 fibers) multimode, aqua adapters, ceramic alignment sleeves
OR-OFP-SCS06MB	6-SC simplex (6 fibers) multimode, beige adapters, phosphor-bronze alignment sleeves
OR-OFP-SCS06AC	6-SC simplex (6 fibers) single-mode, blue adapters, ceramic alignment sleeves
OR-OFP-SCS06LC	6-SC simplex (6 fibers) multimode, aqua adapters, ceramic alignment sleeves
OR-OFP-MTD12MA	6-MT-RJ duplex (12 fibers) multimode, beige adapters
OR-OFP-MTD12AA	6-MT-RJ duplex (12 fibers) single-mode, blue adapters
OR-OFP-MTD12LA	6-MT-RJ duplex (12 fibers) multimode, aqua adapters
OR-OFP-STS06NB	6-ST simplex (6 fibers) multimode adapters, phosphor-bronze alignment sleeves, metal adapters
OR-OFP-STS06NC	6-ST simplex (6 fibers) single-mode, ceramic alignment sleeves, metal adapters
OR-OFP-STD08MB	4-ST duplex (8 fibers) multimode adapters, phosphor-bronze alignment sleeves, beige adapters
OR-OFP-STD08AC	4-ST duplex (8 fibers) single-mode adapters, ceramic alignment sleeves, blue adapters
OR-OFP-STD08LC	4-ST duplex (8 fibers) multimode adapters, ceramic alignment sleeves, aqua adapters
OR-OFP-STD12MB	6-ST duplex (12 fibers) multimode adapters, phosphor-bronze alignment sleeves, beige adapters
OR-OFP-STD12AC	6-ST duplex (12 fibers) single-mode adapters, ceramic alignment sleeves, blue adapters
OR-OFP-STD12LC	6-ST duplex (12 fibers) multimode adapters, ceramic alignment sleeve, aqua adapters
OR-OFP-BLANK	Blank panel, black

\* Designation strip kit provided for accurate port identification

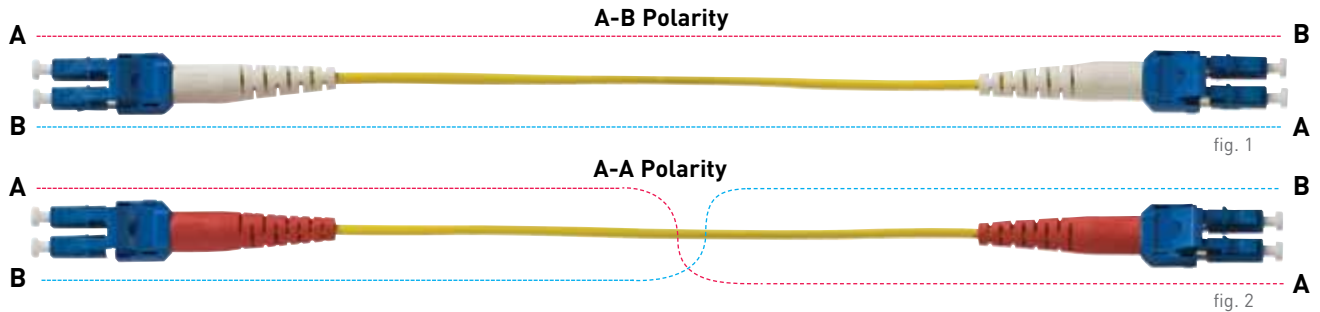
# PATCH CORDS

## SpaceSaver Fiber Optic Cable Assemblies

### Ideal for Data Center Applications

The SpaceSaver line of duplex fiber optic patch cords feature a single 2.4 mm round jacketed cable. These patch cords are available with duplex LC connectors at each end in either A-B or A-A types per the TIA 568 standard. These patch cords are ideal for high density installations common in data centers and SANs optimizing the available vertical and horizontal cable routing spaces.

NOTE: For other lengths and configurations, consult the Legrand | Ortronics sales department.



### SpaceSaver Duplex Fiber Optic Patch Cords for Premium & High Performance Systems

OR-P3DF6LPAZAZ001M



#### OptiMo Laser Optimized (50/125) PC/OFNP (A-B\*)

PART NO.	DESCRIPTION
OR-P3DF6LPAZAZ001M	1 meter
OR-P3DF6LPAZAZ002M	2 meters
OR-P3DF6LPAZAZ003M	3 meters

#### OptiMo Laser Optimized (50/125) PC/OFNP (A-A\*\*)

PART NO.	DESCRIPTION
OR-P3RF6LPAZAZ001M	1 meter
OR-P3RF6LPAZAZ002M	2 meters
OR-P3RF6LPAZAZ003M	3 meters

NOTE: \*A-B patch cords reverse the fiber positions (fig. 1), \*\*A-A patch cords do not reverse the fiber (fig. 2)

### SpaceSaver Duplex Fiber Optic Patch Cords for Standard Performance Systems

OR-P1DF6LPAZAZ001M



#### OptiMo Laser Optimized (50/125) PC/OFNP (A-B\*)

PART NO.	DESCRIPTION
OR-P1DF6LPAZAZ001M	1 meter
OR-P1DF6LPAZAZ002M	2 meters
OR-P1DF6LPAZAZ003M	3 meters

#### OptiMo Laser Optimized (50/125) PC/OFNP (A-A\*)

PART NO.	DESCRIPTION
OR-P1RF6LPAZAZ001M	1 meter
OR-P1RF6LPAZAZ002M	2 meters
OR-P1RF6LPAZAZ003M	3 meters

OR-P1RC6IPUZUZ001M



#### OptiMo Single-mode UPC/OFNP (A-B\*)

PART NO.	DESCRIPTION
OR-P1DC6IPUZUZ001M	1 meter
OR-P1DC6IPUZUZ002M	2 meters
OR-P1DC6IPUZUZ003M	3 meters

#### OptiMo Single-mode UPC/OFNP (A-A\*)

PART NO.	DESCRIPTION
OR-P1RC6IPUZUZ001M	1 meter
OR-P1RC6IPUZUZ002M	2 meters
OR-P1RC6IPUZUZ003M	3 meters

OR-P1DA6BPAZAZ001M



#### OptiMo (62.5/125) PC/OFNP (A-B\*)

PART NO.	DESCRIPTION
OR-P1DA6BPAZAZ001M	1 meter
OR-P1DA6BPAZAZ002M	2 meters
OR-P1DA6BPAZAZ003M	3 meters

#### OptiMo (62.5/125) PC/OFNP (A-A\*)

PART NO.	DESCRIPTION
OR-P1RA6BPAZAZ001M	1 meter
OR-P1RA6BPAZAZ002M	2 meters
OR-P1RA6BPAZAZ003M	3 meters

# PATCH CORDS

## Fiber Optic Cable Assemblies

NOTE: Duplex zipcord jumpers include removable duplexing clips (unassembled in the bag)

### Duplex Fiber Optic Patch Cords for Premium & High Performance Systems

**OptiMo® LOMF (50/125)  
PC/OFNR, 2mm Zip Cord**

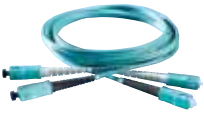


OR-P3DF2LRGZGZ001M



DUPLEX, LC-PC TO LC-PC	LENGTH	↓
OR-P3DF2LRGZGZ001M	1 meter	
OR-P3DF2LRGZGZ002M	2 meters	
OR-P3DF2LRGZGZ003M	3 meters	

OR-P3DF2LRFZGZ001M



DUPLEX, SC-PC TO SC-PC	LENGTH	↓
OR-P3DF2LRFZGZ001M	1 meter	
OR-P3DF2LRFZGZ002M	2 meters	
OR-P3DF2LRFZGZ003M	3 meters	

OR-P3DF2LRFZGZ001M









DUPLEX, SC-PC TO LC-PC	LENGTH	↓
OR-P3DF2LRFZGZ001M	1 meter	
OR-P3DF2LRFZGZ002M	2 meters	
OR-P3DF2LRFZGZ003M	3 meters	

# PATCH CORDS




## Fiber Optic Cable Assemblies

NOTE: Duplex zipcord jumpers include removable duplexing clips (unassembled in the bag)

### Duplex Fiber Optic Patch Cords for Standard Performance Systems

		OptiMo® LOMF (50/125) PC/OFNR, 2mm Zip Cord		OptiMo Single-mode UPC/OFNR, 2mm Zip Cord	
 	OR-P1DF2LRGZGZ001M	DUPLEX, LC-PC TO LC-PC	LENGTH	DUPLEX, LC-UPC TO LC-UPC	LENGTH
		OR-P1DF2LRGZGZ001M	1 meter	OR-P1DC2IRSZSZ001M	1 meter
		OR-P1DF2LRGZGZ002M	2 meters	OR-P1DC2IRSZSZ002M	2 meters
		OR-P1DF2LRGZGZ003M	3 meters	OR-P1DC2IRSZSZ003M	3 meters
 	OR-P1DF2LRFZGZ001M	DUPLEX, SC-PC TO SC-PC	LENGTH	DUPLEX, SC-UPC TO SC-UPC	LENGTH
		OR-P1DF2LRFZGZ001M	1 meter	OR-P1DC2IRRZRZ001M	1 meter
		OR-P1DF2LRFZGZ002M	2 meters	OR-P1DC2IRRZRZ002M	2 meters
		OR-P1DF2LRFZGZ003M	3 meters	OR-P1DC2IRRZRZ003M	3 meters
 	OR-P1DF2LRFZGZ001M	DUPLEX, SC-PC TO LC-PC	LENGTH	DUPLEX, SC-UPC TO LC-UPC	LENGTH
		OR-P1DF2LRFZGZ001M	1 meter	OR-P1DC2IRRZSZ001M	1 meter
		OR-P1DF2LRFZGZ002M	2 meters	OR-P1DC2IRRZSZ002M	2 meters
		OR-P1DF2LRFZGZ003M	3 meters	OR-P1DC2IRRZSZ003M	3 meters

### Duplex Fiber Optic Patch Cords for Standard Performance Systems

		OptiMo Multimode (62.5/125) PC/OFNR, 2mm Zip Cord	
	OR-P1DA2BRGZGZ001M	DUPLEX, LC-PC TO LC-PC	LENGTH
		OR-P1DA2BRGZGZ001M	1 meter
		OR-P1DA2BRGZGZ002M	2 meters
		OR-P1DA2BRGZGZ003M	3 meters
	OR-P1DA2BRFZGZ001M	DUPLEX, SC-PC TO SC-PC	LENGTH
		OR-P1DA2BRFZGZ001M	1 meter
		OR-P1DA2BRFZGZ002M	2 meters
		OR-P1DA2BRFZGZ003M	3 meters
	OR-P1DA2BRFZGZ001M	DUPLEX, SC-PC TO LC-PC	LENGTH
		OR-P1DA2BRFZGZ001M	1 meter
		OR-P1DA2BRFZGZ002M	2 meters
		OR-P1DA2BRFZGZ003M	3 meters



# PATCH CORDS

## Fiber Optic Cable Assemblies for Premium & High Performance Systems

NOTE: All pigtail products include a 1 meter breakout section consisting of 900 μm buffered fiber with terminated ends. LC, SC and ST cable assemblies have connectors with ceramic ferrules. For other lengths and configurations, consult the Legrand | Ortronics sales department.

### Single Connector Pigtails

**OptiMo Laser Optimized (50/125)PC/OFNR**



OR-P3PF9FRFZZZ001M



PREMIUM PERFORMANCE		↓
1 FIBER CONNECTOR PIGTAIL, SC-PC, 50 LOMF	LENGTH	
OR-P3PF9FRFZZZ001M	1 meter	
OR-P3PF9FRFZZZ002M	2 meters	

OR-P3PF9FRGZZZ001M



PREMIUM PERFORMANCE		↓
1 FIBER CONNECTOR PIGTAIL, LC-PC, 50 LOMF	LENGTH	
OR-P3PF9FRGZZZ001M	1 meter	
OR-P3PF9FRGZZZ002M	2 meters	

### Six Connector Pigtails

**OptiMo Laser Optimized (50/125)PC/OFNR**



OR-P3SF4ZRFZZZ001M



PREMIUM PERFORMANCE		↓
6 FIBER CONNECTOR PIGTAIL, SC-PC, 50 LOMF	LENGTH	
OR-P3SF4ZRFZZZ001M	1 meter	
OR-P3SF4ZRFZZZ002M	2 meters	

OR-P3SF4ZRGZZZ001M



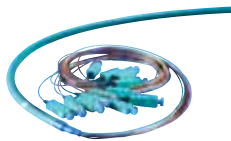
PREMIUM PERFORMANCE		↓
6 FIBER CONNECTOR PIGTAIL, LC-PC, 50 LOMF	LENGTH	
OR-P3SF4ZRGZZZ001M	1 meter	
OR-P3SF4ZRGZZZ002M	2 meters	

### Twelve Connector Pigtails

**OptiMo Laser Optimized (50/125)PC/OFNR**



OR-P3TF4ZRFZZZ001M



PREMIUM PERFORMANCE		↓
12 FIBER CONNECTOR PIGTAIL, SC-PC, 50 LOMF	LENGTH	
OR-P3TF4ZRFZZZ001M	1 meter	
OR-P3TF4ZRFZZZ002M	2 meters	

OR-P3TF4ZRGZZZ001M


















PREMIUM PERFORMANCE		↓
12 FIBER CONNECTOR PIGTAIL, LC-PC, 50 LOMF	LENGTH	
OR-P3TF4ZRGZZZ001M	1 meter	
OR-P3TF4ZRGZZZ002M	2 meters	

# PATCH CORDS

## Fiber Optic Cable Assemblies for Standard Performance Systems

NOTE: All pigtail products include a 1 meter breakout section consisting of 900 μm buffered fiber with terminated ends. LC, SC and ST cable assemblies have connectors with ceramic ferrules. For other lengths and configurations, consult the Legrand | Ortronics sales department.

<b>Single Connector Pigtails</b>		<b>OptiMo® Multimode (62.5/125) PC/OFNR</b>	 <b>OptiMo Laser Optimized (50/125)PC/OFNR</b>	 <b>OptiMo Single-mode UPC/OFNR</b>			
 	OR-P1PF9FRFZZZ001M	1 CONNECTOR PIGTAIL, SC-PC	1 FIBER	1 CONNECTOR PIGTAIL, SC-PC	1 FIBER	↓	
	OR-P1PA9FRFZZZ001M	1 meter	OR-P1PF9FRFZZZ001M	1 meter	OR-P1PC9FRRZZZ001M		1 meter
	OR-P1PA9FRFZZZ002M	2 meters	OR-P1PF9FRFZZZ002M	2 meters	OR-P1PC9FRRZZZ002M		2 meters
 	OR-P1PF9FRGZZZ001M	1 CONNECTOR PIGTAIL, LC-PC	1 FIBER	1 CONNECTOR PIGTAIL, LC-PC	1 FIBER	↓	
	OR-P1PA9FRGZZZ001M	1 meter	OR-P1PF9FRGZZZ001M	1 meter	OR-P1PC9FRSZZZ001M		1 meter
	OR-P1PA9FRGZZZ002M	2 meters	OR-P1PF9FRGZZZ002M	2 meters	OR-P1PC9FRSZZZ002M		2 meters
 	OR-P1SF4ZRFZZZ001M	6 CONNECTOR PIGTAIL, SC-PC	6 FIBER	6 CONNECTOR PIGTAIL, SC-PC	6 FIBER	↓	
	OR-P1SA4ZRFZZZ001M	1 meter	OR-P1SF4ZRFZZZ001M	1 meter	OR-P1SC4ZRRZZZ001M		1 meter
	OR-P1SA4ZRFZZZ002M	2 meters	OR-P1SF4ZRFZZZ002M	2 meters	OR-P1SC4ZRRZZZ002M		2 meters
 	OR-P1SF4ZRGZZZ001M	6 CONNECTOR PIGTAIL, LC-PC	6 FIBER	6 CONNECTOR PIGTAIL, LC-PC	6 FIBER	↓	
	OR-P1SA4ZRGZZZ001M	1 meter	OR-P1SF4ZRGZZZ001M	1 meter	OR-P1SC4ZRSZZZ001M		1 meter
	OR-P1SA4ZRGZZZ002M	2 meters	OR-P1SF4ZRGZZZ002M	2 meters	OR-P1SC4ZRSZZZ002M		2 meters
 	OR-P1TF4ZRFZZZ001M	12 CONNECTOR PIGTAIL, SC-PC	12 FIBER	12 CONNECTOR PIGTAIL, SC-PC	12 FIBER	↓	
	OR-P1TA4ZRFZZZ001M	1 meter	OR-P1TF4ZRFZZZ001M	1 meter	OR-P1TC4ZRRZZZ001M		1 meter
	OR-P1TA4ZRFZZZ002M	2 meters	OR-P1TF4ZRFZZZ002M	2 meters	OR-P1TC4ZRRZZZ002M		2 meters
 	OR-P1TF4ZRGZZZ001M	12 CONNECTOR PIGTAIL, LC-PC	12 FIBER	12 CONNECTOR PIGTAIL, LC-PC	12 FIBER	↓	
	OR-P1TA4ZRGZZZ001M	1 meter	OR-P1TF4ZRGZZZ001M	1 meter	OR-P1TC4ZRSZZZ001M		1 meter
	OR-P1TA4ZRGZZZ002M	2 meters	OR-P1TF4ZRGZZZ002M	2 meters	OR-P1TC4ZRSZZZ002M		2 meters

# PATCH CORDS

## Berk-Tek Pre-Terminated Backbone Cables

Berk-Tek's revolutionary MDP (Micro Data Center Plenum) micro-diameter loose tube cable

- High-density 12, 24, 48 and 72-fiber cable, terminated with MTP\* connectors
- Reduced cable cross section minimizes congestion in fiber pathways
- Small cable outer dimensions facilitate air flow in high density installations
- Factory-terminated/tested backbone cables guarantee performance in the field

\*MTP is a registered trademark of US Conec.

### Berk-Tek Pre-Terminated MTP to MTP Multimode Backbone Cables (Premium Performance)



PART NO.	DESCRIPTION
BMDP12ELLSSPxxxF	<b>12-Fiber, multimode, 50/125 LOMF, max mated pair loss: 0.35 dB, bandwidth @ 850/1300: 2000/500 MHz-Km, pulling eye* installed (standard)</b>
BMDP12ELLSSPxxxM	<b>12-Fiber, multimode, 50/125 LOMF, max mated pair loss: 0.35 dB, bandwidth @ 850/1300: 2000/500 MHz-Km pulling eye* installed (standard)</b>

\* Pulling eye installed on product on outside lead of spool  
"xxxF" indicates length in feet, "xxxM" indicates length in meters

### Berk-Tek Pre-Terminated MTP to MTP Multimode Backbone Cables (High Performance)



PART NO.	DESCRIPTION
BMDP12ERRSSPxxxF	<b>12-Fiber, multimode, 50/125 LOMF, max mated pair loss: 0.50 dB, bandwidth @ 850/1300: 2000/500 MHz-Km, pulling eye* installed (standard)</b>
BMDP12ERRSSPxxxM	<b>12-Fiber, multimode, 50/125 LOMF, max mated pair loss: 0.50 dB, bandwidth @ 850/1300: 2000/500 MHz-Km, pulling eye* installed (standard)</b>
BMDP24ERRSSPxxxF	<b>24-Fiber, multimode, 50/125 LOMF, max mated pair loss: 0.50 dB, bandwidth @ 850/1300: 2000/500 MHz-Km, pulling eye* installed (standard)</b>
BMDP24ERRSSPxxxM	<b>24-Fiber, multimode, 50/125 LOMF, max mated pair loss: 0.50 dB, bandwidth @ 850/1300: 2000/500 MHz-Km, pulling eye* installed (standard)</b>
BMDP48ERRSSPxxxF	<b>48-Fiber, multimode, 50/125 LOMF, max mated pair loss: 0.50 dB, bandwidth @ 850/1300: 2000/500 MHz-Km, pulling eye* installed (standard)</b>
BMDP48ERRSSPxxxM	<b>48-Fiber, multimode, 50/125 LOMF, max mated pair loss: 0.50 dB, bandwidth @ 850/1300: 2000/500 MHz-Km, pulling eye* installed (standard)</b>
BMDP72ERRSSPxxxF	<b>72-Fiber, multimode, 50/125 LOMF, max mated pair loss: 0.50 dB, bandwidth @ 850/1300: 2000/500 MHz-Km, pulling eye* installed (standard)</b>
BMDP72ERRSSPxxxM	<b>72-Fiber, multimode, 50/125 LOMF, max mated pair loss: 0.50 dB, bandwidth @ 850/1300: 2000/500 MHz-Km, pulling eye* installed (standard)</b>

\* Pulling eye installed on product on outside lead of spool  
"xxxF" indicates length in feet, "xxxM" indicates length in meters

### Berk-Tek Pre-Terminated MTP to MTP Multimode Backbone Cables (Standard Performance)



PART NO.	DESCRIPTION
BMDP12E77SSPxxxF	<b>12-Fiber, multimode, 50/125 LOMF, max mated pair loss: 0.75 dB, bandwidth @ 850/1300: 2000/500 MHz-Km, pulling eye* installed (standard)</b>
BMDP12E77SSPxxxM	<b>12-Fiber, multimode, 50/125 LOMF, max mated pair loss: 0.75 dB, bandwidth @ 850/1300: 2000/500 MHz-Km, pulling eye* installed (standard)</b>
BMDP24E77SSPxxxF	<b>24-Fiber, multimode, 50/125 LOMF, max mated pair loss: 0.75 dB, bandwidth @ 850/1300: 2000/500 MHz-Km, pulling eye* installed (standard)</b>
BMDP24E77SSPxxxM	<b>24-Fiber, multimode, 50/125 LOMF, max mated pair loss: 0.75 dB, bandwidth @ 850/1300: 2000/500 MHz-Km, pulling eye* installed (standard)</b>
BMDP48E77SSPxxxF	<b>48-Fiber, multimode, 50/125 LOMF, max mated pair loss: 0.75 dB, bandwidth @ 850/1300: 2000/500 MHz-Km, pulling eye* installed (standard)</b>
BMDP48E77SSPxxxM	<b>48-Fiber, multimode, 50/125 LOMF, max mated pair loss: 0.75 dB, bandwidth @ 850/1300: 2000/500 MHz-Km, pulling eye* installed (standard)</b>
BMDP72E77SSPxxxF	<b>72-Fiber, multimode, 50/125 LOMF, max mated pair loss: 0.75 dB, bandwidth @ 850/1300: 2000/500 MHz-Km, pulling eye* installed (standard)</b>
BMDP72E77SSPxxxM	<b>72-Fiber, multimode, 50/125 LOMF, max mated pair loss: 0.75 dB, bandwidth @ 850/1300: 2000/500 MHz-Km, pulling eye* installed (standard)</b>

\* Pulling eye installed on product on outside lead of spool  
"xxxF" indicates length in feet, "xxxM" indicates length in meters

## PATCH CORDS

### Berk-Tek Pre-Terminated Backbone Cables

#### Berk-Tek Pre-Terminated MTP to MTP Single-mode Backbone Cables (Standard Performance)



PART NO.	DESCRIPTION
BMDP12AEESSPxxxF	<b>12-Fiber, single-mode, max mated pair loss:</b> 0.75 dB, pulling eye* installed (standard)
BMDP12AEESSPxxxM	<b>12-Fiber, single-mode, max mated pair loss:</b> 0.75 dB, pulling eye* installed (standard)
BMDP24AEESSPxxxF	<b>24-Fiber, single-mode, max mated pair loss:</b> 0.75 dB, pulling eye* installed (standard)
BMDP24AEESSPxxxM	<b>24-Fiber, single-mode, max mated pair loss:</b> 0.75 dB, pulling eye* installed (standard)
BMDP48AEESSPxxxF	<b>48-Fiber, single-mode, max mated pair loss:</b> 0.75 dB, pulling eye* installed (standard)
BMDP48AEESSPxxxM	<b>48-Fiber, single-mode, max mated pair loss:</b> 0.75 dB, pulling eye* installed (standard)
BMDP72AEESSPxxxF	<b>72-Fiber, single-mode, max mated pair loss:</b> 0.75 dB, pulling eye* installed (standard)
BMDP72AEESSPxxxM	<b>72-Fiber, single-mode, max mated pair loss:</b> 0.75 dB, pulling eye* installed (standard)

\* Pulling eye installed on product on outside lead of spool  
"xxxF" indicates length in feet, "xxxM" indicates length in meters



#### Harness

Ortronics harnesses are used to break out the MPO-fitted trunk cable into LC duplex connectors to plug directly into the active device. Each harness has a 12-fiber MTP\*/MPO pinned (male) connector on one end and 6 duplex LC furcation tubes on the other. Each leg of the LC end can be either identical in length or each leg can be staggered 30mm (1.18") longer than the tube before it; another way to minimize and manage excess cable slack.

\*MTP is a registered trademark of US Conec.

PART NO.	DESCRIPTION
63900071-001	Harness assembly, 12 fiber, MPO (F)/LC Duplex, A-B, 50 LOMF, 2m
63900071-002	Harness assembly, 12 fiber, MPO (F)/LC Duplex, A-B, 50 LOMF, staggered, 3m
63900071-003	Harness assembly, 12 fiber, MPO (F)/LC Duplex, A-B, 50 LOMF, staggered, 4m
63900071-004	Harness assembly, 12 fiber, MPO (F)/LC Duplex, A-A, 50 LOMF, 2m
63900071-005	Harness assembly, 12 fiber, MPO (F)/LC Duplex, A-A, 50 LOMF, staggered, 3m
63900071-006	Harness assembly, 12 fiber, MPO (F)/LC Duplex, A-A, 50 LOMF, staggered, 4m