SECTION **B** CONTENTS

System Overview

1. OPTICAL FIBER

Leviton's fiber connectivity systems support all fiber types, including:

- 50/125 μm laser optimized multimode (OM3/OM4) (see page B6)
- 62.5/125 μm or 50/125 μm multimode (OM1/OM2) (see page B7)
- Single-mode (OS1/OS2) (see page B8)

Two key factors will determine the best fiber for your application: bandwidth capacity and transmission distance. See the specification charts for each fiber type on the following pages. Determine which fiber type is best for your project, and then select complementary Leviton components for a complete fiber infrastructure system.

2. ENCLOSURES (see pages B9-B30)

Choose your ideal enclosures based on application size and density, space configuration, plus any special needs such as those in a data center or service provider environment.

- 1 – 10RU rack/cabinet and wall mounting options
- Opt-X® and LightSpace® (LGX® footprint) styles
- Replicator® high-density port-replicated
- Flush-mount panels
- Up to 576-fiber or 288-channel capacity
- Available empty or build your own pre-configured

3. ENCLOSURE ACCESSORIES (see pages B31-B42)

Leviton's MTP® modules are 100% factory tested and reduce installation time. Or, choose from a wide selection of Opt-X and LightSpace (LGX footprint) adapter plates for discrete connectors. Metal and injection-molded splice trays protect and manage fiber slack.

- MTP modules feature a new space-saving design
- Adapter plates available with SC, ST, LC, or MTP adapters
- 6-, 8-, 12-, 16-, and 24-fiber counts
- Splice trays available in heat shrink or ribbon styles

4. PATCH CORDS & CONNECTORS (see pages B53-B58, and B60-B63)

- Patch cords come with SC, ST, and LC connectors
- Hybrid configurations available
- Secure Keyed LC patch cords lock into any industry compliant adapter or interface
- 1-, 2-, 3-, 5-, and 10-meter standard lengths; custom lengths available
- FastCAM® pre-polished connectors in SC, ST, and LC styles
- Fast-Cure® anaerobic adhesive-style connectors in SC, ST, and LC styles
- Thread-Lock® mechanical-style connectors in SC and ST styles
- Connectors available in multimode and single-mode versions

Pre-terminated Solutions

Leviton recommends using pre-terminated trunks and harnesses whenever possible. With 100% factory testing and no need for field terminations or splices, installation time is reduced by up to 70%. Plug-n-play pre-terminated MTP® Modules feature a space-saving design with a notched back for a smaller footprint and excellent radius control.

All Leviton pre-terminated solutions are made to your specifications: fiber and cable type, fiber count, connector type, breakout leg types, length, and more.

TRUNK CABLES (See pages B44-48)
- MTP to MTP, including 12- and 24-fiber MTP connector
- Discrete to discrete (ST, SC, LC, FC, MT-RJ, and MU)
- MTP to discrete
- Single-mode, multimode, and laser optimized multimode types available
- Secure Keyed LC trunks lock into any industry compliant adapter or interface

HARNESSES (See pages B49-51)
- MTP to MTP connectors
- MTP to discrete connectors (ST, SC, LC, FC, MT-RJ, and MU)
- Single-mode, multimode, and laser optimized multimode types available
- Secure Keyed LC harnesses lock into any industry compliant adapter or interface

MTP MODULES (See pages B35-36)
- 12- or 24-fiber MTP connectors on the back
- MTP connectors or discrete connectors on the front, including LC, SC, and MU
- Single-mode, multimode, and laser optimized multimode types available

FIBER PRE-TERMINATED CABLING PERFORMANCE (dB)

CONNECTOR MATED PAIRS	MULTIMODE					SINGLE-MODE	
	Duplex Typical IL	Duplex Max IL	12-fiber Standard Typical IL	12-fiber Standard Max IL	12- & 24-fiber Premium Max IL	Typical IL	Max IL
LC	0.15	0.25	—	—	—	0.25	0.35
SC	0.20	0.25	—	—	—	0.25	0.35
MU	0.15	0.25	—	—	—	0.25	0.35
MTP	—	—	0.35	0.50	0.35	0.35	0.60

MTP MODULES & HARNESSES	MULTIMODE		SINGLE-MODE	
	12-fiber Premium Max IL	24-fiber Premium Max IL	Typical IL	Max IL
LC	0.50	0.50	0.60	1.00
SC	0.50	—	0.60	1.00
MU	0.50	—	0.60	1.00

Prepare for 40/100G with Leviton's Pre-terminated Multimode System

In June 2010, the IEEE published new standards for meeting Ethernet speeds of 40 Gbps for local server and computing applications and 100 Gbps for network aggregation applications. IEEE 802.3ba responds to the needs of many bandwith-hungry data centers and enterprise networks requiring speeds beyond 10 Gbps, and provides specifications for communications across copper, multimode fiber, and single-mode fiber cabling.

Leviton's pre-terminated Opt-X Unity 40/100G laser optimized multimode (LOMM) system offers an ideal migration path to 40/100G speeds, and meets the new IEEE 802.3ba standard. The system features pre-terminated trunks, harnesses, array cords, and MTP® modules to help you future-proof your networks. See pages B36-B52 for detailed product information.

- System of trunks, harnesses, and modules are 40/100G ready
- Industry-leading 24-fiber MTP system
- Trunks, harnesses, modules, and array cords use best-in-class MTP multi-fiber connectors
- Available in laser optimized multimode (OM3/OM4)
- Third party verification of 40/100G channel performance

Channel tested by
Intertek (ETL)

COLOR CODED BOOTS ON MTP

Red - 24 Fiber

Black - 12 Fiber

Gray - 8 Fiber

OPT-X UNITY 40/100G SYSTEM

- 24-fiber MTP trunks
- 24-fiber MTP harnesses
- 24-fiber MTP array patch cords
- 24-fiber MTP modules

MIGRATION SOLUTIONS TO OPT-X UNITY 40/100G SYSTEM from existing 10G networks

- Premium 12-fiber MTP trunks
- Premium 12-fiber MTP harnesses
- 24-fiber and premium 12-fiber array patch cords
- Premium 12-fiber MTP modules

OPT-X UNITY 40/100G MULTIMODE CHANNEL REQUIREMENTS (IEEE802.3ba)

OPTICAL FIBER TYPE	MAX. CHANNEL INSERTION LOSS	MAX. CONNECTOR LOSS	MAX DISTANCE
OM3	1.9 dB	1.5 dB	100 meters
OM4	1.5 dB	1.0 dB	150 meters

Contact dcteam@leviton.com for help designing your 10/40/100G migration plan.

50/125 µm Laser Optimized Multimode Systems (OM3/OM4)

SPECIFICATIONS	50/125 µm LOMM SYSTEM (OM3)		50/125 µm LOMM SYSTEM (OM4)	
	850 nm	1300 nm	850 nm	1300 nm
Maximum Attenuation (dB/km)	3.0	1.0	3.0	1.0
Overfill Launch Minimum Bandwidth (MHz•km)	1500	500[2]	3500	500[2]
Effective Modal Bandwidth (EMB)(MHz•km)	2000[1]	N/A	4700[1]	---
1G Transmission Distance (meters)	1000	600	1000	600
10G Transmission Distance (meters)	300	300	550	300
Opt-X® Unity 40/100G Transmission Distance (meters)	100	n/a	150	n/a

1. The effective modal bandwidth is determined based on an overfill launch (OFL) per TIA-455-204, except on laser optimized fiber types.
2. 10GbE transmission at 1,300 nm only applies to 10GBASE-LX4 (CWDM).

STANDARDS SUPPORTED

100BASE-FX, 1GBASE-SX, 1GBASE-LX, 10GBASE-S, 10GBASE-LX4, 10GBASE-LRM, 40GBASE-SR4, 100GBASE-SR10
1, 2, 4, 8, 10, and 16 Gigabit Fibre Channel Infiniband

APPLICATIONS

- Data center infrastructure
- High-bandwidth enterprise, building automation, and security
- Medium-to-large enterprise networks
- High-performance computer clusters
- Migration path to Opt-X Unity 40/100G
- VCSEL-based propagation

For Leviton Fiber Enclosures see pages B9-B30.

LASER OPTIMIZED MULTIMODE (LOMM) FIBER COMPONENTS

CONNECTORS				
DESCRIPTION			FAST-CURE®	FASTCAM®
SC LOMM			49990-LSC	49991-LSC
LC LOMM			49990-LDL	49991-LLC

PATCH CORDS & PIGTAILS	OM3		OM4	
DESCRIPTION	SC-SC	LC-LC	SC-SC	LC-LC
50/125 µm LOMM	5L*SC-Mxx	5L*LC-Mxx	54*SC-Mxx	54*LC-Mxx
12-fiber Individual Color-Coded 50 µm LOMM Pigtail Kit, 3 meter length	5LPSC-KIT	5LPLC-KIT	54PSC-KIT	54PLC-KIT

OPT-X® ADAPTER PLATES	
3-Pack Duplex SC LOMM, (6-fiber) aqua, zirconia ceramic sleeve	5F100-3AC
6-Pack Duplex SC LOMM, (12-fiber) aqua, zirconia ceramic sleeve	5F100-6AC
6-Pack Duplex LC LOMM, (12-fiber) aqua, zirconia ceramic sleeve	5F100-12A
6-Pack Quad LC LOMM, (24-fiber) aqua, zirconia ceramic sleeve	5F100-24A

OPT-X MTP® MODULES	OM3	OM4
MTP - SC, 12-fiber	FM-E012BAC0C	FM-F012BAC0C
MTP - LC, 12-fiber	FM-E012CAC0C	FM-F012CAC0C
MTP - LC, 24-fiber	FM-E024CAC0C	FM-F024CAC0C

* = Simplex (S), Duplex (D), Pigtail (P).
xx = Length in meters (01), (02), (03), (05), (10).

FIBER

fiber systems

62.5/125 µm or 50/125 µm Multimode Systems (OM1/OM2)

SPECIFICATIONS	62.5/125 µm MULTIMODE SYSTEM (OM1)		50/125 µm MULTIMODE SYSTEM (OM2)	
	850 nm	1300 nm	850 nm	1300 nm
Maximum Attenuation (dB/km)	3.5	1.0	3.0	1.0
Overfill Launch Min. Bandwidth (MHz•km)	200	500	950	500
1G Transmission Distance (meters)	300	600	750	600
10G Transmission Distance (meters)	36	300	150	300

STANDARDS SUPPORTED

100BASE-FX, 1GBASE-SX, 1GBASE-LX, 10GBASE-S, 10GBASE-LX4, 10GBASE-LRM;
1, 2, and 4 Gigabit Fibre Channel

For Leviton Fiber Enclosures see pages B9-B30.

APPLICATIONS

- Building backbones and zone cabling
- Legacy cabling (62.5/125 µm fiber/OM1)
- Low-bandwidth enterprise, building automation, and security
- Small-to-medium enterprise networks
- LED-based propagation (62.5/125 µm fiber/OM1)
- LED- or laser-based propagation (50/125 µm fiber/OM2)

MULTIMODE (MM) FIBER COMPONENTS

CONNECTORS			
DESCRIPTION	62.5/125 µm or 50/125 µm FAST-CURE®	62.5/125 µm FASTCAM®	50/125 µm FASTCAM®
SC MM	49990-MSC	49991-MSC	49991-5SC
ST MM	49990-MST	49991-MST	49991-5ST
LC MM	49990-MDL	49991-MDL	49991-5LC
PATCH CORDS & PIGTAILS			
DESCRIPTION	SC-SC	LC-LC	ST-ST
62.5/125 µm MM	62*SC-Mxx	62*LC-Mxx	62*ST-Mxx
50/125 µm MM	50*SC-Mxx	50*LC-Mxx	50*ST-Mxx
12-fiber Individual Color-Coded 62.5/125 µm MM Pigtail Kit, 3 meter length	62PSC-KIT	62PLC-KIT	62PST-KIT
12-fiber Individual Color-Coded 50 µm MM Pigtail Kit, 3 meter length	50PSC-KIT	50PLC-KIT	50PST-KIT
OPT-X® ADAPTER PLATES			
6-Pack ST MM, 6-fiber, phosphor bronze sleeve		5F100-1ST	
3-Pack Duplex SC MM, 6-fiber, beige, phosphor bronze sleeve		5F100-3BC	
6-Pack Duplex SC MM, 12-fiber, beige, phosphor bronze sleeve		5F100-6BC	
6-Pack Duplex LC MM, 12-fiber, beige, phosphor bronze sleeve		5F100-12P	
6-Pack Quad LC MM, 24-fiber, beige, phosphor bronze sleeve		5F100-24P	
OPT-X MTP® MODULES			
DESCRIPTION		62.5/125 µm	50/125 µm
MTP - SC, 12-fiber		FM-C012BAC0	FM-B012BAC0
MTP - LC, 12-fiber		FM-C012CAC0	FM-B012CAC0
MTP - LC, 24-fiber		FM-C024CAC0	FM-B024CAC0

* = Simplex (S), Duplex (D), Pigtail (P).
xx = Length in meters (01), (02), (03), (05), (10).

Single-Mode System (OS1/OS2)

SPECIFICATIONS	SINGLE-MODE SYSTEM (OS1)		SINGLE-MODE SYSTEM (OS2)	
	1310 nm	1550 nm	1310 nm	1550 nm
Maximum Attenuation (dB/km)	0.5	0.4	0.4	0.3
1G Transmission Distance (meters)	5,000	n/a	5,000	n/a
10G Transmission Distance (meters)	10,000	n/a	10,000	n/a

STANDARDS SUPPORTED

1GBASE-LX, 10GBASE-LX, 10GBASE-LX4, 10GBASE-L, 10GBASE-EX
1, 2, 4, 8, 10, and 16 Gigabit Fibre Channel

APPLICATIONS

- Campus and building backbones
- Entrance facilities and equipment rooms
- Long distances
- Carrier equipment

SINGLE-MODE (SM) FIBER COMPONENTS

CONNECTORS		
DESCRIPTION	FAST-CURE®	FASTCAM®
SC SM UPC	49990-SSC	49991-SSC
ST SM UPC	49990-SST	49991-SST
LC SM UPC	49990-SDL	49991-SLC

PATCH CORDS & PIGTAILS			
DESCRIPTION	SC-SC	LC-LC	ST-ST
SM UPC	UP*SC-Sxx	UP*LC-Sxx	UP*ST-Sxx
SM APC	APSSC-Sxx	Custom	N/A
12-fiber Individual Color-Coded SM/UPC Pigtail Kit, 3 meter length	UPPSC-KIT	UPPLC-KIT	Custom

OPT-X® ADAPTER PLATES	
DESCRIPTION	PART NO.
6-Pack ST SM, 6-fiber, zirconia ceramic sleeve	5F100-6ZT
3-Pack Duplex SC SM, 6-fiber, blue, zirconia ceramic sleeve	5F100-3ZC
6-Pack Duplex SC SM, 12-fiber, blue, zirconia ceramic sleeve	5F100-6ZC
6-Pack Duplex LC SM, 12-fiber, blue, zirconia ceramic sleeve	5F100-12Z
6-Pack Quad LC SM, 24-fiber, blue, zirconia ceramic sleeve	5F100-24Z

OPT-X MTP® MODULES	
DESCRIPTION	PART NO.
MTP - SC, 12-fiber	FM-A012BAC0
MTP - LC, 12-fiber	FM-A012CAC0
MTP - LC, 24-fiber	FM-A024CAC0

* = Simplex (S), Duplex (D), Pigtail (P).
xx = Length in meters (01), (02), (03), (05), (10).

ENCLOSURES

FEATURED PRODUCTS

Opt-X Ultra® Enclosures **B11**

New Opt-X® 1000i & 500i Enclosures **B13-B15**

High-Density Replicator® **B21**

New e2XHD Patching System **B17**

Leviton manufactures a wide variety of fiber enclosures for all your project needs: rack- and wall-mount, 1RU to 10RU, and application-specific models. The Opt-X Ultra series joins a sleek exterior with an unparalleled feature set, tailor-made Replicator enclosures offer customized connectivity for Storage Area Network (SAN) switches, while the broad LightSpace® product line is designed to meet virtually any service provider requirement. Rounding out our enclosure selection are the Opt-X 1000i and 500i models, flush-mount panels and enclosures, and the patented, mount-anywhere VertiGO® Zero-U line.
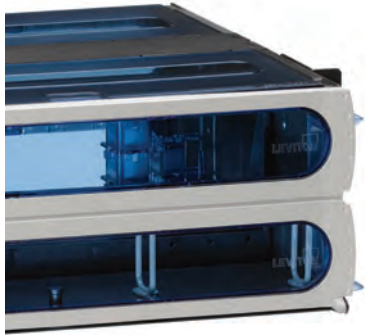
OPT-X ULTRA®

Opt-X Ultra enclosures, designed for large enterprise and data centers, are packed full of features, including a removable sliding tray, transparent and removable hinged doors, and a 17" depth for high-density fiber termination. The enclosures achieve a unique high-end appearance using durable polycarbonate and 16-gauge powder-coated steel.

FIBER

enclosures

OPT-X® 1000i

The Opt-X 1000i rack-mount enclosure, built for medium enterprise applications, allows for easy field termination of connectors, splicing, or pre-terminated plug-n-play solutions. It is offered in 1RU to 4RU sizes, and features a sliding tray and fiber rings for cable routing.

OPT-X 500i

The economical Opt-X 500i rack-mount enclosure, ideal for small enterprise applications, features a one-piece removable cover for complete accessibility to the back of the enclosure. 500i enclosures are offered in 1RU, 2RU, and 3RU sizes.

HIGH-DENSITY REPLICATOR® ENCLOSURE

Leviton's high-density Replicator enclosures were developed to support Storage Area Network (SAN) switches. The port-replicated enclosures provide one-to-one logical port management (LPM) replication of the high-density fiber switches and other core equipment at main distribution. Each enclosure is tailored to customer-specified vendor equipment, including SAN architecture devices from Cisco, IBM, EMC, Brocade, and others. Kits, which include trunks, MTP® panels, and harnesses along with the enclosure, are available as well.

Quality and Performance in Every Solution

Gary Bernstein, RCDD, CDCD
Director of Product Management, Fiber & Data Center Solutions

Gary and his team have global responsibility for our fiber and data center solutions. With more than 15 years experience in the telecom industry, Gary has done a little bit of everything, from sales, marketing, and product management to representing Leviton on various TIA and IEEE standards committees. He speaks regularly at industry events, including DatacenterDynamics, AFCOM, and BICSI, and has authored several technical articles. Gary works closely with customers to deliver the right solutions for their applications, and when they need a unique solution, he will work with Leviton's engineering development team to build it.

A

B

C

FIBER
enclosures

OPT-X ULTRA 1RU/2RU/4RU RACK-MOUNT ENCLOSURES

- Stylish and innovative design for today's most advanced networks and settings
- Sliding tray removes completely from enclosure to facilitate field terminations and splicing
- Sliding tray with front and rear stop glides forward and backward providing accessibility to front and rear of bulkhead after installation
- 17" depth for high-density fiber termination and/or splicing
- Front saddles pivot for improved patch cord routing and organization
- Removable transparent hinged doors and slide-away covers allow easy access during install and visibility of interior after install
- Patch cord bend radius guides minimize macro bending
- Stackable and adjustable fiber rings simplify cable management
- Constructed of durable polycarbonate plastic and black powder-coated 16-gauge steel
- Multiple mounting bracket positions for 19" or 23" rack and cabinet installation (23" 1RU mounting bracket sold separately)
- Also accepts LightSpace® (LGX® Footprint) adapter plate mounting modules by special order
- Made in the United States

RECOMMENDED APPLICATIONS:

Data Centers

Equipment Room

Entrance Facility

Telecommunications Room

19" and 23" Racks and Cabinets

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OPT-X ULTRA RACK-MOUNT ENCLOSURES

DESCRIPTION	MAXIMUM CAPACITY				PART NO.
	Fibers (using LC)	Adapter Plates	Splice Trays*	MTP Modules	
[A] Opt-X Ultra 1RU, empty, sliding tray	72	3	3	3	5R1UH-S03
[B] Opt-X Ultra 2RU, empty, sliding tray	144	6	6	6	5R2UH-S06
[C] Opt-X Ultra 4RU, empty, sliding tray	288	12	12	12	5R4UH-S12

(Adapter Plates **AND** Splice Trays* **OR** MTP Modules)

*Maximum splice tray capacity is limited by height of selected splice tray.
 See page B32 for splice tray dimension and selection guide.

SPOTLIGHT Make To Order Enclosures

What do you get when you order a custom fiber enclosure from Leviton? Everything you need. Your order arrives in one box, with your modules or adapter plates, and splice trays already installed just as you specified. We put everything together for you, with no extra bags, boxes, or questions. All you have to do is plug and play.

LEVITON

ACCESSORIES

DESCRIPTION	PART NO.
Fiber Cable Management 1/4 Ring Kit (bag of four 1/4 rings)	5R100-14R
Universal Opt-X Cable Clamp Kit, Single Cable Grommet (for enclosure mounting)	5RCMP-KIT
Universal Opt-X Cable Clamp Kit, Multiple Cable Grommet (for enclosure mounting)	5RCMP-KT2
Universal Clamp Kit, Single and Multiple Cable Grommet (for rack mounting)	5RCMR-KIT
1RU 23" Rack and Cabinet Mounting Bracket	5R1RU-023
Replacement Door	5D000-*UN
Replacement Door w/ Lock	5D000-*UL
Replacement Covers	5C000-RPL
Replacement Covers, metal	5CMTL-RPL
Opt-X Ultra Patch Cord Bend Radius Bracket, (bag of two)	5PCBR-*BT

Enclosure-Mount Universal Clamp Kit

Rack-Mount Universal Clamp Kit

Cable Management Ring Kit (includes four 1/4 rings)

Bend Radius Brackets

* = Rack Units: 1RU (1), 2RU (2), 4RU (4)

FIBER

enclosures

PART NUMBER CONFIGURATOR - OPT-X ULTRA ENCLOSURES

Example: **Ultra 1OPTX-C03EKB3CY19N**; 1RU Opt-X Ultra Enclosure pre-configured with (3) 6-pack plates loaded with duplex LC adapters (aqua color) pre-terminated with color-coded pigtails, (3) heat shrink style injection-molded splice trays (for up to 12 fiber splicing), locking feature on both doors, with cable clamp kit, and 19" mounting ears [CONFIGURATION FOR 36 FIBERS].

FOR ASSISTANCE CONFIGURING YOUR ENCLOSURE, PLEASE CALL 800.722.2082 OR VISIT WWW.LEVITON.COM/CONFIGURATOR.
WHEN SELECTING MTP® MODULES, THERE IS NO CONFIGURATION FOR PIGTAILS OR SPLICE TRAYS.

ADAPTER PLATES OR MTP MODULE SELECTION
A = 6-Pack Plate - 6 fibers (SC, ST)
B = 8-Pack Plate - 8 fibers (SC, ST)
C = Duplex 6-Pack Plate - 12 fibers (SC & LC only)
E = Duplex 8-Pack Plate - 16 fibers (LC only)
F = Quad 6-Pack Plate - 24 fibers (LC only)
L = MTP Module - 12 fibers (SC, ST, LC)
M = MTP Module - 24 fibers (LC only)

FIBER TYPE
A = OS2
B = OM2
C = OM1
E = OM3
F = OM4

SPLICE TRAY STYLE
A = Heatshrink, foam holders, up to 12 fibers (molded tray)
B = Heatshrink, plastic holders, up to 12 fibers (molded tray)
D = Bare fusion, plastic holders, up to 12 fibers (metal tray)
K = Heatshrink, plastic holders, up to 24 fibers (molded tray)
N = None

SECURITY OPTIONS
A = Locking front door
B = Locking rear door
C = Both doors
N = None

MOUNTING EAR POSITION
19 = 19"
23 = 23"

Ultra XXXXX- X XX X X X XX X X XX N

ENCLOSURE STYLE	NUMBER OF ADAPTER PLATES	ADAPTER TYPE & PIGTAIL SELECTION	NO. OF SPLICE TRAYS		CABLE CLAMP KIT
1OPTX = 1U OptX	01 = 1	A = ST	01 = 1	08 = 8	Y = Yes
2OPTX = 2U OptX	02 = 2	B = SC	02 = 2	09 = 9	N = No
4OPTX = 4U OptX	03 = 3	C = LC	03 = 3	10 = 10	
1LGX = 1U LGX*	04 = 4	E = SC/APC	04 = 4	11 = 11	
2LGX = 2U LGX*	05 = 5	F = LC/APC	05 = 5	12 = 12	
4LGX = 4U LGX*	06 = 6	H = ST + pigtail	06 = 6	N = None	
	07 = 7	J = SC + pigtail	07 = 7		
*LGX or LightSpace footprint.	08 = 8	K = LC + pigtail			
	09 = 9	M = SC/APC + pigtail			
	10 = 10	N = LC/APC + pigtail			
	11 = 11				
	12 = 12				

New

A

New

B

New

C

New

D

New

E

FIBER

enclosures

OPT-X 1000i 1RU/2RU/3RU/4RU ENCLOSURES

- Sliding tray glides forward (with stop) and backward, and removes (1RU, 2RU) for easy field terminations and splicing
- 15" depth for high-density fiber termination and/or splicing
- Constructed of 16-gauge steel, powder-coated black
- 19" or 23" enclosure rack-mount option (23" 1RU mounting bracket sold separately)
- Enclosures protrude 4.5" from mounting ears to align with Versi-Duct® Cable Management System
- Accepts Opt-X adapter plates and/or Opt-X MTP® modules/cassettes. LightSpace® (LGX® footprint) compatible versions also available by special order
- Locking door option available on front, rear, or both doors
- Accessory kit consists of cable ties, mounting ear screws, and port ID label
- Replaces Opt-X 1000 and RDP Series Enclosures
- Made in the United States

RECOMMENDED APPLICATIONS:

Equipment Room

Telecommunications Room

19" and 23" Racks and Cabinets

Build your own!
leviton.com / configurator

OPT-X 1000i RACK-MOUNT ENCLOSURES	
DESCRIPTION	PART NO.
[A] Opt-X 1000i, 1RU Enclosure, empty	5R1UM-F03
[B] Opt-X 1000i, 1RU Enclosure, empty, with sliding tray	5R1UM-S03
[C] Opt-X 1000i, 2RU Enclosure, empty	5R2UM-F06
Opt-X 1000i, 2RU Enclosure, empty, with sliding tray	5R2UM-S06
Opt-X 1000i, 3RU Enclosure, empty (horizontal adapter plate/module orientation)	5R3UM-F09
[D] Opt-X 1000i, 3RU Enclosure, empty (vertical adapter plate/module orientation)	5R3UM-F12
[E] Opt-X 1000i, 4RU Enclosure, empty (vertical adapter plate/module orientation)	5R4UM-F12
Opt-X 1000i, 4RU Enclosure, empty (horizontal adapter plate/module orientation)	5R4UM-F15

OPT-X 1000i RACK-MOUNT ENCLOSURE DENSITY			
RACK UNIT	FIBERS (USING LC)	ADAPTER PLATE OR MTP MODULE/CASSETTE	SPLICE TRAYS*
1RU	72	Up to 3	Up to 3
2RU	144	Up to 6	Up to 6
3RU	216	Up to 9 (horizontal adapter plate/module orientation)	Up to 12
3RU/4RU	288	Up to 12 (vertical adapter plate/module orientation)	Up to 12
4RU	360	Up to 15 (horizontal adapter plate/module orientation)	Up to 12

*Maximum splice tray capacity is limited by height of selected splice tray. See page B32 for splice tray dimension and selection guide.

ACCESSORIES

DESCRIPTION	PART NO.
Universal Opt-X Clamp Kit, Single Cable Grommet (for enclosure mounting)	5RCMP-KIT
Universal Opt-X Clamp Kit, Multiple Cable Grommet (for enclosure mounting)	5RCMP-KT2
Universal Clamp Kit, Single and Multiple Cable Grommet (for rack mounting)	5RCMR-KIT
Fiber Cable Management 1/4 Ring Kit (bag of four 1/4 rings)	5R100-14R
1RU 23" Rack and Cabinet Mounting Bracket	5R1RU-023
Lock and Key	5L000-KAL

Enclosure-Mount Universal Clamp Kit

Rack-Mount Universal Clamp Kit

Rack-Mount Universal Clamp Kit Installed

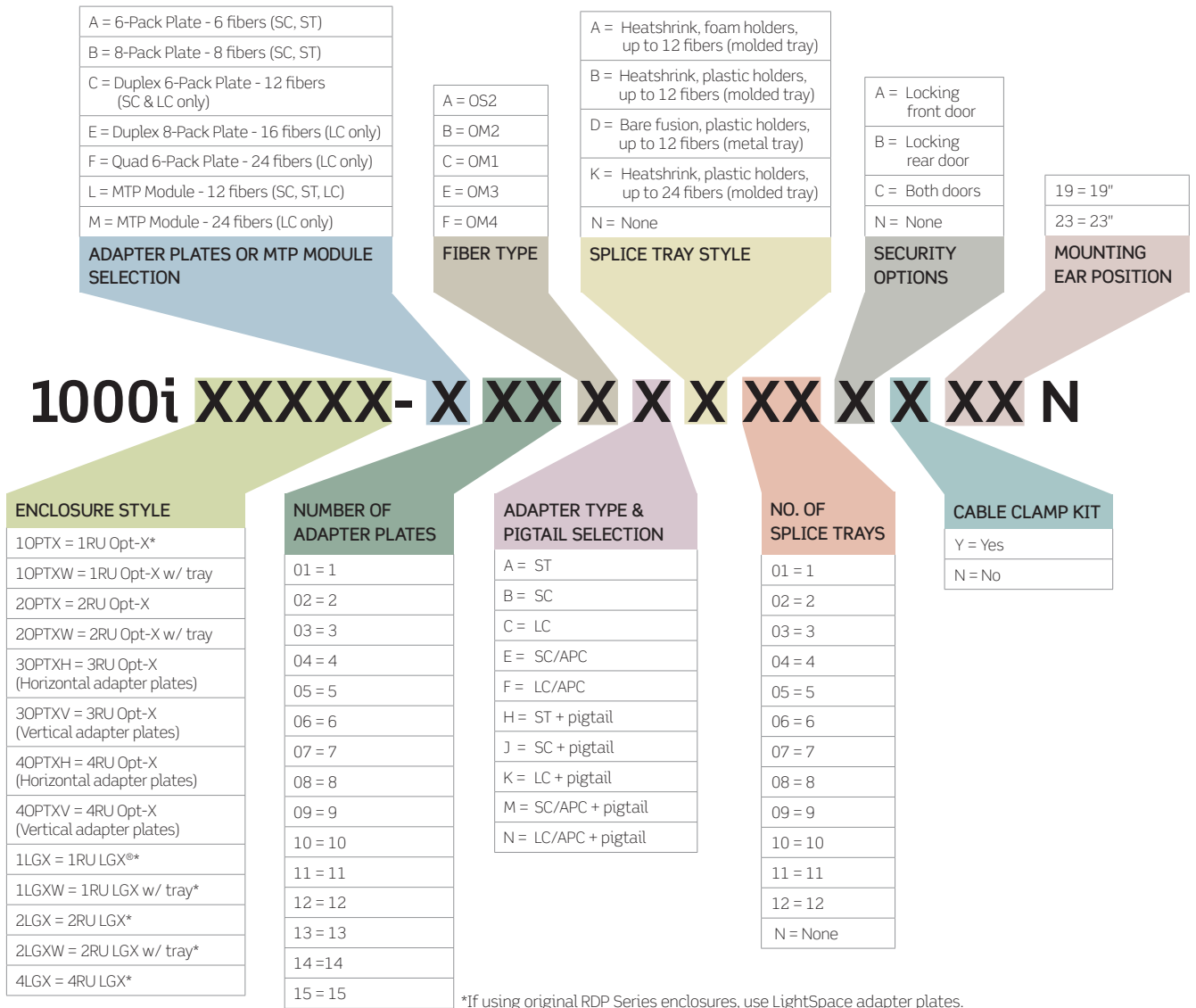Cable Management Ring Kit (includes four 1/4 rings)

FIBER
enclosures

PART NUMBER CONFIGURATOR - OPT-X 1000i RACK-MOUNT ENCLOSURES

Example: **1000i 1OPTX-C03EKB3CY19N**; 1RU Opt-X 1000i Enclosure pre-configured with (3) 6-pack plates loaded with duplex LC adapters (aqua color) pre-terminated with color-coded pigtails, (3) heat shrink style injection-molded splice trays (for up to 12 fiber splicing), locking feature on both doors, with cable clamp kit, and 19" mounting ears [CONFIGURATION FOR 36 FIBERS].

FOR ASSISTANCE CONFIGURING YOUR ENCLOSURE, PLEASE CALL 800.722.2082 OR VISIT WWW.LEVITON.COM/CONFIGURATOR. WHEN SELECTING MTP® MODULES, THERE IS NO CONFIGURATION FOR PIGTAILS OR SPLICE TRAYS.

ADAPTER PLATES OR MTP MODULE SELECTION
A = 6-Pack Plate - 6 fibers (SC, ST)
B = 8-Pack Plate - 8 fibers (SC, ST)
C = Duplex 6-Pack Plate - 12 fibers (SC & LC only)
E = Duplex 8-Pack Plate - 16 fibers (LC only)
F = Quad 6-Pack Plate - 24 fibers (LC only)
L = MTP Module - 12 fibers (SC, ST, LC)
M = MTP Module - 24 fibers (LC only)

FIBER TYPE
A = OS2
B = OM2
C = OM1
E = OM3
F = OM4

SPLICE TRAY STYLE
A = Heatshrink, foam holders, up to 12 fibers (molded tray)
B = Heatshrink, plastic holders, up to 12 fibers (molded tray)
D = Bare fusion, plastic holders, up to 12 fibers (metal tray)
K = Heatshrink, plastic holders, up to 24 fibers (molded tray)
N = None

SECURITY OPTIONS
A = Locking front door
B = Locking rear door
C = Both doors
N = None

MOUNTING EAR POSITION
19 = 19"
23 = 23"

1000i XXXXX- X XX X X X XX X X XX N

ENCLOSURE STYLE
1OPTX = 1RU Opt-X*
1OPTXW = 1RU Opt-X w/ tray
2OPTX = 2RU Opt-X
2OPTXW = 2RU Opt-X w/ tray
3OPTXH = 3RU Opt-X (Horizontal adapter plates)
3OPTXV = 3RU Opt-X (Vertical adapter plates)
4OPTXH = 4RU Opt-X (Horizontal adapter plates)
4OPTXV = 4RU Opt-X (Vertical adapter plates)
1LGX = 1RU LGX®*
1LGXW = 1RU LGX w/ tray*
2LGX = 2RU LGX*
2LGXW = 2RU LGX w/ tray*
4LGX = 4RU LGX*

NUMBER OF ADAPTER PLATES
01 = 1, 02 = 2, 03 = 3, 04 = 4, 05 = 5, 06 = 6, 07 = 7, 08 = 8, 09 = 9, 10 = 10, 11 = 11, 12 = 12, 13 = 13, 14 =14, 15 = 15

ADAPTER TYPE & PIGTAIL SELECTION
A = ST
B = SC
C = LC
E = SC/APC
F = LC/APC
H = ST + pigtail
J = SC + pigtail
K = LC + pigtail
M = SC/APC + pigtail
N = LC/APC + pigtail

NO. OF SPLICE TRAYS
01 = 1, 02 = 2, 03 = 3, 04 = 4, 05 = 5, 06 = 6, 07 = 7, 08 = 8, 09 = 9, 10 = 10, 11 = 11, 12 = 12, N = None

CABLE CLAMP KIT
Y = Yes
N = No

*If using original RDP Series enclosures, use LightSpace adapter plates.

Opt-X® 500i, 1RU

Opt-X 500i, 2RU

Opt-X 500i, 3RU

A

B

C

1RU, 3RU Opt-X 500i
Flush-Mount Panels

D

E

FIBER

enclosures

Opt-X 500i Flush-Mount Rack Enclosures

- Flush-mount adapter bulkhead for ease of moves, adds, and changes
- One-piece removable cover allows for complete accessibility to the back of the enclosure
- Constructed of 16-gauge steel, powder-coated black
- Accepts Opt-X adapter plates and/or Opt-X MTP® modules/cassettes
- Accepts injection molded splice trays and 4" x 7" metal splice trays
- Enclosure is capable of storing up to 3 meters of 900 µm tight buffered fiber per adapter
- Accessory kit consists of cable ties, mounting ear screws, and port ID label
- Optional cable strain relief mounting kits (for installation on side of enclosure or on rack post)
- 1RU and 3RU flush-mount panels accept Opt-X adapter plates and mount to 19" racks and cabinets
- Optional add-on patch cord cable management tray (sold separately) uses existing rack unit
- Replaces Opt-X 500 and 250 enclosures
- Made in the United States

RECOMMENDED APPLICATIONS:

Equipment Room

Telecommunications Room

19" racks and cabinets

OPT-X 500i RACK-MOUNT ENCLOSURES	
DESCRIPTION	PART NO.
[A] Opt-X 500i, 1RU Enclosure, empty	5R1UL-F03
[B] Opt-X 500i, 2RU Enclosure, empty	5R2UL-F06
[C] Opt-X 500i, 3RU Enclosure, empty	5R3UL-F12
[D] Opt-X 500i, 1RU Panel, empty	5R1UE-OPX
[E] Opt-X 500i, 3RU Panel, empty	5R3UE-OPX

OPT-X 500i RACK-MOUNT ENCLOSURE DENSITY			
RACK UNIT	FIBERS (USING LC)	ADAPTER PLATE OR MTP MODULE/CASSETTE	SPLICE TRAYS*
1RU	72	Up to 3	Up to 3
2RU	144	Up to 6	Up to 6
3RU	288	Up to 12	Up to 12

*Maximum splice tray capacity is limited by height of selected splice tray. See page B32 for splice tray dimension and selection guide.

SPOTLIGHT Patch Cord Management Tray

Patch Cord Management Trays help route and organize cables on Opt-X 500i enclosures. The trays feature identification labels and front saddles that pivot for easier routing. Because they mount directly to the front of the enclosures, they do not require additional rack space. Available in 1RU and 2RU sizes, the trays can be used with any Leviton 1RU Flush-mount MTP enclosure and 2RU trays can be used with 3RU 500i enclosures.

Enclosure-Mount Universal Clamp Kit
(5RCMP-KIT)*

Rack-Mount Universal Clamp Kit
(5RCMR-KIT)*

Cable Management Ring Kit
(includes four 1/4 rings)
(5R100-14R)

Bend Radius Brackets **(5PCBR-*BT)**

1RU, 2RU Patch Cord Management Trays
(5R1UL-CMT, 5R2UL-CMT)

FIBER

enclosures

		AVAILABLE FOR		
DESCRIPTION	**PART NO.**	**Opt-X Ultra®**	**Opt-X® 1000i**	**Opt-X 500i**
Fiber Cable Management 1/4 Ring Kit (bag of four 1/4 rings)	5R100-14R	X	X	X
Universal Opt-X Clamp Kit, Single Cable Grommet (for enclosure mounting)	5RCMP-KIT	X	X	X
Universal Opt-X Clamp Kit, Multiple Cable Grommet (for enclosure mounting)	5RCMP-KT2	X	X	X
Universal Clamp Kit, Single and Multiple Cable Grommet (for rack mounting)	5RCMR-KIT	X	X	X
1RU 23" Rack and Cabinet Mounting Bracket	5R1RU-023	X	X	
Replacement Door	5D000-*UN	X		
Replacement Door with Lock	5D000-*UL	X		
Replacement Covers	5C000-RPL	X		
Covers, metal	5CMTL-RPL	X		
Opt-X Ultra Patch Cord Bend Radius Bracket (bag of two)	5PCBR-*BT	X		
Lock and Key	5L000-LAK		X	
Patch Cord Management Tray, 1RU (for use with 1RU enclosure)	5R1UL-CMT			X
Patch Cord Management Tray, 2RU (for use with 2 & 3RU enclosure)	5R2UL-CMT			X

* = Rack Units: 1RU (1), 2RU (2), 4RU (4)

SPOTLIGHT Fiber Optic Fanout Kit

Protect bare fiber and prepare loose tube cable for direct termination with Leviton Fiber Optic Fanout Kits. Stack multiple fanout kits inside a fiber enclosure to save space. Available in two lengths, these 6- or 12-fiber kits separate 250 µm fibers and route them into color-coded 900 µm buffer tubes. The easy-to-use kits work with any manufacturer's loose-tube cabling and any industry-standard connectors. To learn more, watch a termination demonstration at youtube.com/levitonmfg.
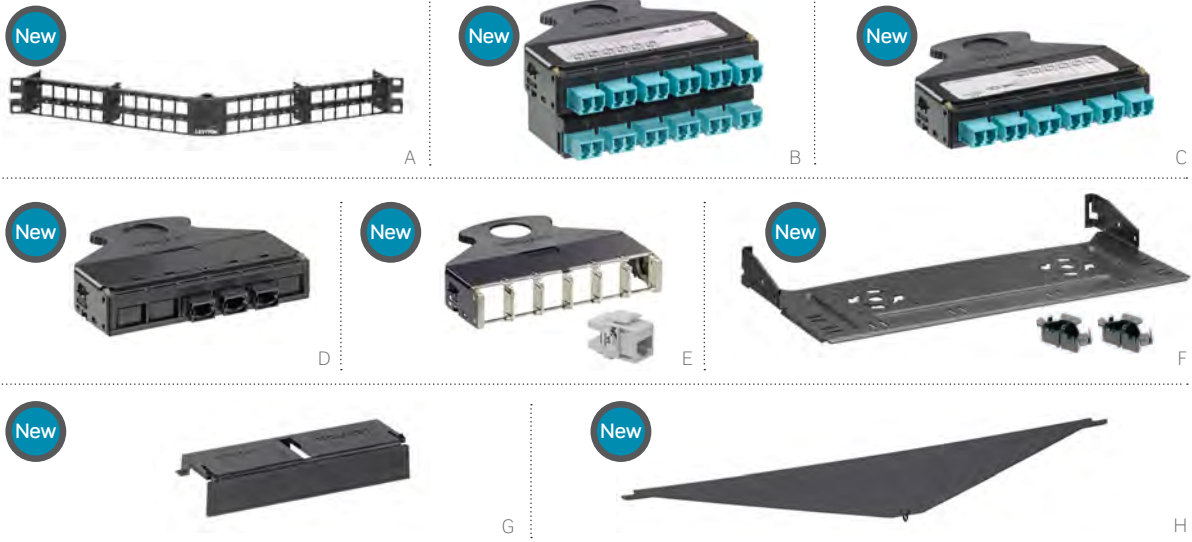
The e2XHD Patching System provides simple termination and improved cabling routing for both fiber and copper applications. Cassettes quickly snap in and pull out of the high density angled panel, making installation and maintenance easier than ever. Copper cassettes use field-terminated connectors, while fiber cassettes are pre-terminated. Panel covers and blank modules offer extra protection from dust and damage.

1RU HIGH DENSITY ANGLED PANEL

- Holds up to 48 fiber channels or 48 copper ports
- Accepts up to 8 copper cassettes
- Accepts up to 8 single height or 4 double height fiber cassettes
- Mounts on standard 19" relay racks or cabinets
- Alignment tabs on rear of panel makes cassette insertion easy

MTP-LC FIBER CASSETTE

- Used exclusively with 1RU High Density Angled Panel
- Easily snaps into rear of panel
- Available in 12- or 24-fiber, OM3, OM4, single-mode
- Allows for simple migration path to 40GbE networks with MTP cassettes
- MTP Adapter is adjustable, allowing for easy cable routing and proper bending radius
- Release mechanism allows for simple, tool-free removal
- All cassettes use either 24-fiber or 12-fiber low-loss MTP connectors

ANGLED PANEL BLANK INSERT

- Blocks any unused cassette openings
- Reserves capacity for future copper or fiber cassettes
- Easily snaps into rear of panel

COPPER CASSETTE KIT

- Used exclusively with 1RU High Density Angled Panel
- Easily snaps into rear of panel
- Supplied as a kit with cassette and six CAT 6A or CAT 6 QuickPort Connectors
- Connectors snap into cassette after termination
- AXT barrier reduces alien crosstalk between ports
- Release mechanism allows for simple, tool-free removal

REAR CABLE MANAGER

- Mounts directly to rear of High Density Angled Panel, no tools or screws required
- Supports both copper and fiber cables
- Cable management rings included to help manage and route incoming fiber cables
- Built-in Velcro® Brand tie downs secure fiber or copper cables
- Optional cable strain relief kit available for incoming fiber cables

ANGLED PANEL TOP COVER

- Uses no additional rack space
- Minimizes dust and debris behind panels
- Protects cassettes mounted in panel
- Can be retrofitted after panel is installed

e2XHD PATCHING SYSTEM (for fiber cassettes, use configurator below)

DESCRIPTION	PART NO.
[A] e2XHD 1RU High Density Angled Panel	E2X1A-D48
[B] e2XHD 24-fiber MTP-LC Fiber Cassette	(see configurator below)
[C] e2XHD 12-fiber MTP-LC Fiber Cassette	(see configurator below)
[D] e2XHD MTP-MTP Fiber Cassette	(see configurator below)
[E] e2XHD 6-port CAT 6A Cassette Kit*	E2X6A-xxx
e2XHD 6-port CAT 6 Cassette Kit*	E2X61-xxx
[F] e2XHD Rear Cable Manager, with cable management rings (four 1/4" rings)	E2XHD-CMB
[G] e2XHD Angled Panel Blank Insert	E2XHD-BLK
[H] e2XHD Angled Panel Top Cover	E2XHD-COV
Universal Opt-X Clamp Kit, Single Cable Grommet (for enclosure mounting, see page B16)	5RCMP-KIT

xxx = colors: Black (BLK), Blue (BLU), Green (GRN), Yellow (YEL), Red (RED)

*CAT 6A cassettes include six 6110G QuickPort® Connectors. CAT 6 cassettes include six 61110 QuickPort Connectors.

PART NUMBER CONFIGURATOR – e2XHD MTP FIBER CASSETTE

Example: **FME2XHD-E012CKQDBC**; 12-fiber OM3, LC (aqua color) to MTP connector, Method B (core) polarity.

FOR ASSISTANCE CONFIGURING YOUR ENCLOSURE, PLEASE CALL 800.722.2082.

FME2XHD - X XXX X X X X XX

FIBER TYPE	FIBER COUNT	CONNECTOR TYPE	MTP FIBER COUNT	COLOR	FOOTPRINT	POLARITY
E = OM3	012 = 12	C = LC	K = 12F MTP	Q = MM aqua adapter	D = 12 Fiber (single cassette height)	A = Method A
F = OM4	024 = 24	M = 8F MTP (female)	H = 24F MTP	L = SM blue adapter	E = 24 Fiber (double cassette height)	BC = Method B, Core, black
A = OS2				K = Black (MTP only)		BE = Method B, Edge, white
						C = Method C
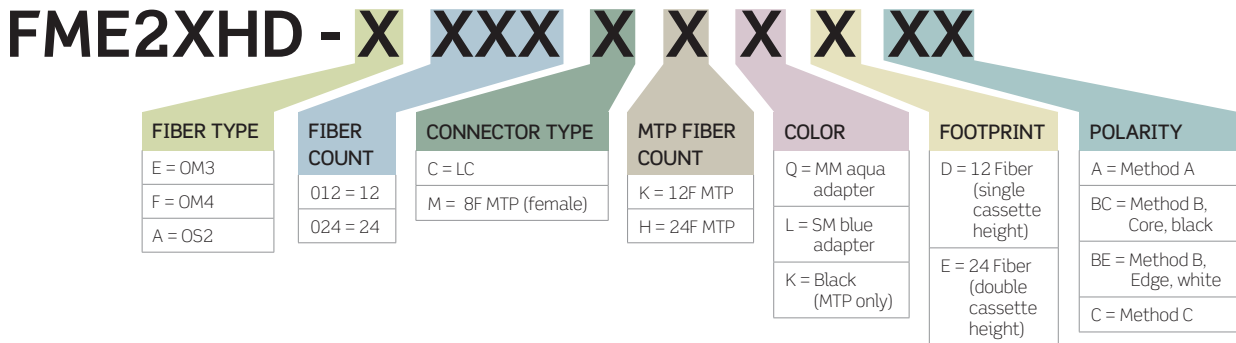
SPOTLIGHT MTP Adapter

The e2XHD Fiber Cassette features an MTP adapter that swivels to three positions for easier cable routing. Used in conjunction with the patching system's rear cable manager and cable management rings, the adapter delivers an ideal solution for eliminating cable tension and ensuring proper bend radius.

6RU Enclosure, 288-fiber OS2, LC (no MTP)

8RU Enclosure, 576-fiber OM3, MTP-LC

4RU Enclosure, 144-fiber OM3, LC (no MTP)

FIBER

enclosures

HIGH-DENSITY FLUSH-MOUNT SERIES FIBER TERMINATION ENCLOSURES

- Staggered, ergonomic design allows easy access to connectors (1RU, 6RU, and 8RU enclosures only)
- Incorporates LPM using custom silk screening (modular, numeric, and hexadecimal) for easy port identification
- 4RU accommodates 6-pack LightSpace® (LGX® footprint) adapter plates and plug-n-play modules
- 6RU and 8RU hinged front panel opens to 60° for easy access and allows enclosures to be placed back to back in a single cabinet
- Custom configured options available
- Constructed of 16-gauge steel, powder-coated black
- Enclosure mounts on standard 19" racks and cabinets
- Accepts 1RU Patch Cord Management tray (5R1UL-CMT)

RECOMMENDED APPLICATIONS:

Data Center Server, Zone, or MDA

Equipment Room

Telecommunications Room

19" Racks and Cabinets

PART NUMBER CONFIGURATOR – FLUSH-MOUNT ENCLOSURES (4RU, 6RU, & 8RU ONLY)

Example: **FP6-A288CN190C**; 6RU Flush-Mount Enclosure pre-configured with only duplex LC (blue color) adapters, OS1, MTP Method C polarity [CONFIGURATION FOR 288 FIBERS]. Pictured above at left.

FOR ASSISTANCE CONFIGURING YOUR ENCLOSURE, PLEASE CALL 800.722.2082.

FPX - X XXX X X XX X X

ENCLOSURE STYLE	FIBER TYPE	FIBER COUNT	CONNECTOR TYPE	MTP FIBER COUNT	FOOTPRINT	COLOR	POLARITY
4 = 4RU (up to 288 fibers or 144 channels)	A = OS1	072	A = ST	A = 12 MTP (Standard)	19 = 19" (Standard)	0 = Black (Standard)	A = MTP Method A
6 = 6RU (up to 288 fibers or 144 channels)	B = OM2	096	B = SC	N = None	23 = 23"	2 = Beige	B = MTP Method B
8 = 8RU (up to 576 fibers or 288 channels)	C = OM1	144	C = LC				C = MTP Method C (Standard)
	E = OM3	192	D = LC (w/ shutters)				N = None (for panels w/o harnesses)
	F = OM4	288	U = MU				
		512					
		576					

FLUSH-MOUNT ENCLOSURE DENSITY, MAXIMUM FIBER COUNT

SIZE/TYPE	SC	LC	MU	ST
1RU Panel/Enclosure	72	144	72	72
4RU Enclosure	144	288	144	144
6RU Enclosure	144	288	288	144
8RU Enclosure	288	576	576	288

1RU Enclosure, 48-fiber OM3, MTP-LC

1RU Panel, 72-fiber OM1, LC

1RU Panel, 72-fiber, OS2, MU

Build your own!
leviton.com / configurator

FIBER

enclosures

HIGH-DENSITY FLUSH-MOUNT SERIES FIBER TERMINATION PANELS

- Staggered, ergonomic design allows easy access to connectors
- Incorporates logical port management (LPM) using custom silk screening (modular, numeric, and hexadecimal) for easy port identification
- Constructed of 16-gauge steel, powder-coated black
- Panel mounts on standard 19" racks and cabinets
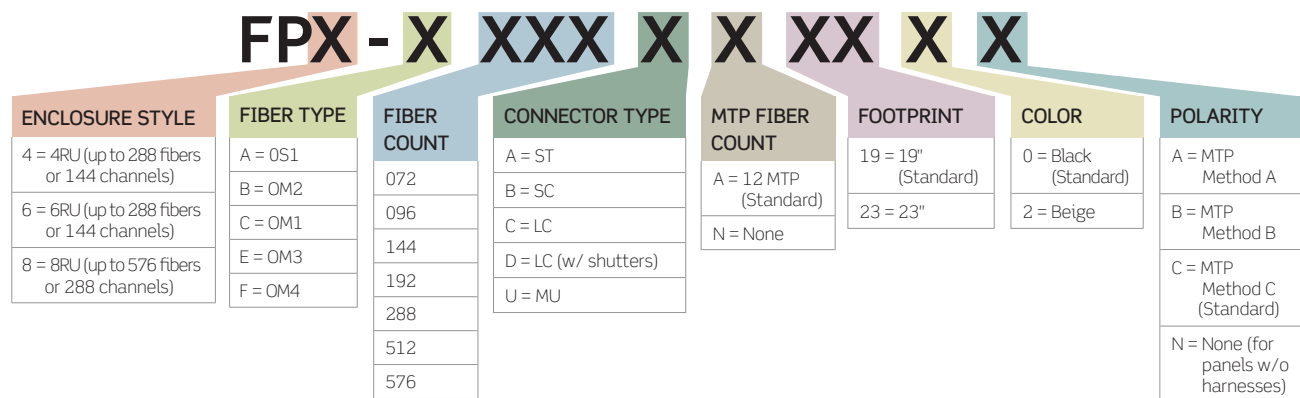- Accepts 1RU Patch Cord Management tray (5R1UL-CMT)

RECOMMENDED APPLICATIONS:

Data Center Server, Zone, or MDA

Equipment Room

Telecommunications Room

19" Racks and Cabinets

PART NUMBER CONFIGURATOR - FLUSH-MOUNT ENCLOSURES & PANELS (1RU ONLY)

Example: **FM-E048CAB0C**; 1RU Flush-Mount Enclosure pre-configured duplex LC (aqua color adapters) to 12-fiber MTP®, OM3, MTP Method C polarity [CONFIGURATION FOR 48 FIBERS]. Pictured above at top.

FOR ASSISTANCE CONFIGURING YOUR ENCLOSURE, PLEASE CALL 800.722.2082.

FM - X XXX X X B X X

FIBER TYPE	FIBER COUNT	CONNECTOR TYPE	MTP FIBER COUNT	FOOTPRINT	COLOR	POLARITY
A = OS2	024	A = ST	A = 12 (standard)	B = 1RU Rack-mount	0 = Black (Standard)	A = MTP Method A
B = OM2	036	B = SC	N = None		2 = Beige	B = MTP Method B
C = OM1	048	C = LC				C = MTP Method C (Standard)
E = OM3	072	D = LC w/ shutters				N = None (for panels w/o harnesses)
F = OM4	096	U = MU				
	144					
	XXX = Other					

The Opt-X 500i Patch Cord Management Tray provides convenient routing and protection using the same rack unit space as the enclosure. It can also be used with any Leviton 1RU Flush-Mount MTP enclosure.

REPL-BRDE2400-LCMTP096OM3C:
Brocade 12/24k Replicator 8RU Enclosure,
96 channel, MTP to LC, OM3, Fiber

REPL-CSCO9513-LCMTP576OM3C:
Cisco 9513 Replicator 8RU Enclosure, Beige
288 channel, MTP to LC, OM3, Fiber

REPLICATOR ENCLOSURES

- Can be configured to replicate any switch
- Unique logical port management (LPM) design
- Kits available with trunks, MTP® panels, and harnesses
- Full front access to all terminations via fold down panel
- Shallow depth allows back-to-back mounting in cabinets and 4-post racks for high-density applications
- Up to 384-channel capacity (768 fiber strands)
- Available with LC and MU connector interfaces

For assistance configuring
enclosure and/or kit,
please call 800.722.2082.

TYPICAL REPLICATOR KIT TOPOLOGY

Main Distribution

.35dB

MTP - MTP Trunk

.35dB

MTP - MTP Trunk

.25dB Loss

.25dB Loss

In Equipment Zone

In Equipment Zone

.35dB Loss

LC - LC Jumper

.35dB Loss

MTP - LC Harness

Total Loss = 1.9dB

MTP - LC Harness

Cisco
9513
Switch

TIA-568-C.3
10 GBE Loss limit = 2.6dB
This topology results in 0.7dB margin.

Storage
Device

A

B

VertiGO Rack-Mount Plug-n-Play Patch Panels

Fiber Plug-n-Play Patch Panel
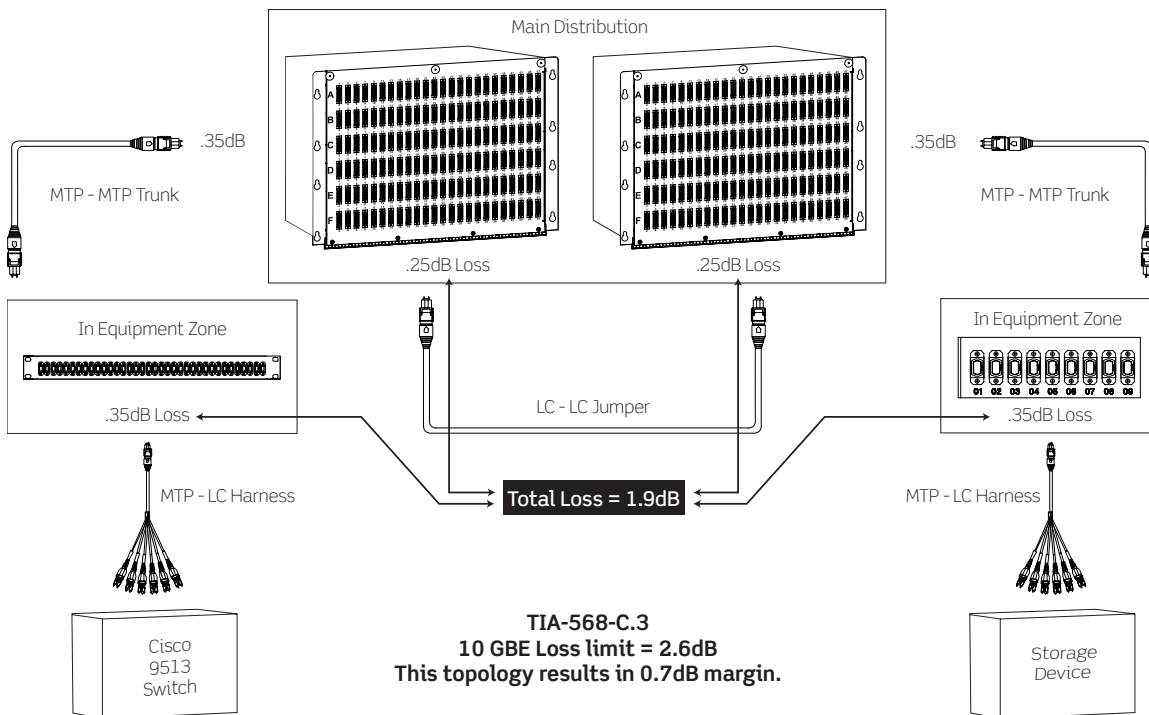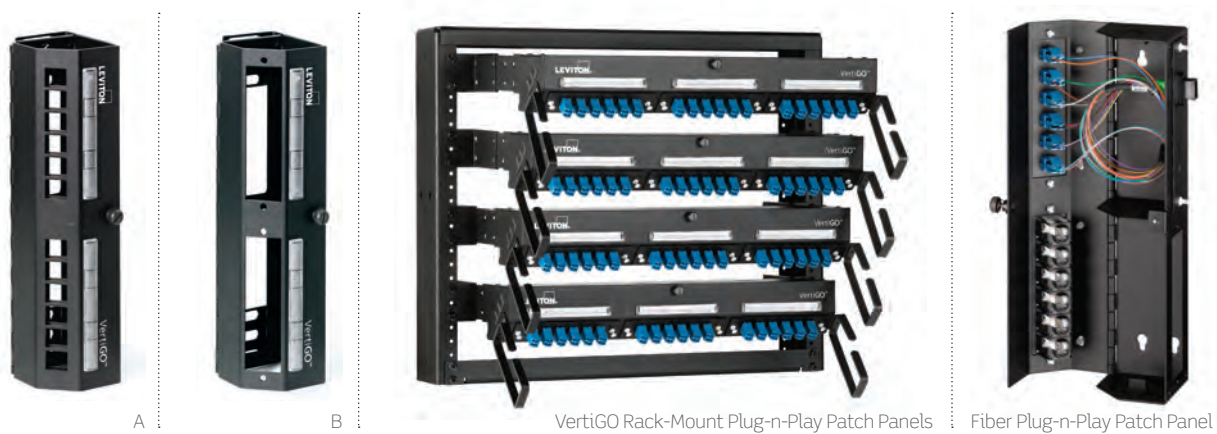
FIBER

enclosures

VERTIGO ZERO-U PATCH PANELS

- All styles sold empty, with either QuickPort® or Opt-X® style openings
- Zero-U uses no rack space
- Low profile design fully covers connections
- Improves cabinet center airflow by routing rear cable along outer edges
- Styles with 3" and 6" channels provide additional cable management space
- Hinged doors provide easy access to termination field
- Magnified label holders make for easy reading
- Supports copper and fiber installations

VERTIGO ZERO-U PATCH PANELS		
DESCRIPTION		PART NO.
[A]	QuickPort 12-Port Zero-U, panel only	49280-QP0
	QuickPort 12-Port Zero-U, panel with 3" cable channel	49280-QP3
	QuickPort 12-Port Zero-U, panel with 6" cable channel	49280-QP6
[B]	Opt-X Adapter Plate Zero-U, panel only	49280-AP0
	Opt-X Adapter Plate Zero-U, panel with 3" cable channel	49280-AP3
	Opt-X Adapter Plate Zero-U, panel with 6" cable channel	49280-AP6

VERTIGO RACK-MOUNT PLUG-N-PLAY PATCH PANELS

- Pre-configured for fast network deployment.
- Adjustable mounting ears provide five unique offset distances for enhanced horizontal cable management
- Integrated cable manager
- Accepts all Opt-X adapter plates, allowing for a mix of copper, fiber, and multimedia connectivity
- Provides either MTP® Plug-n-Play or discrete point termination
- All VertiGO Rack-Mount Plug-n-Play Patch Panels sold as custom configurations. Call 800.722.2082 for more information

VERTIGO FIBER PLUG-N-PLAY PATCH PANELS

- Pre-configured for fast network deployment.
- Mounts vertically to standard 19" racks or cabinets while consuming no horizontal rack space
- Accepts all Opt-X adapter plates, allowing for a mix of copper, fiber, and multimedia connectivity
- Internal metal divider provides separation of copper and fiber cabling
- Provides either MTP Plug-n-Play or discrete point termination
- Can mount to the back rails of racks and cabinets, ladder tray, walls, or in under-floor applications for maximum versatility
- All VertiGO Fiber Plug-n-Play Patch Panels sold as custom configurations. Call 800.722.2082 for more information

A

B

C

D

E
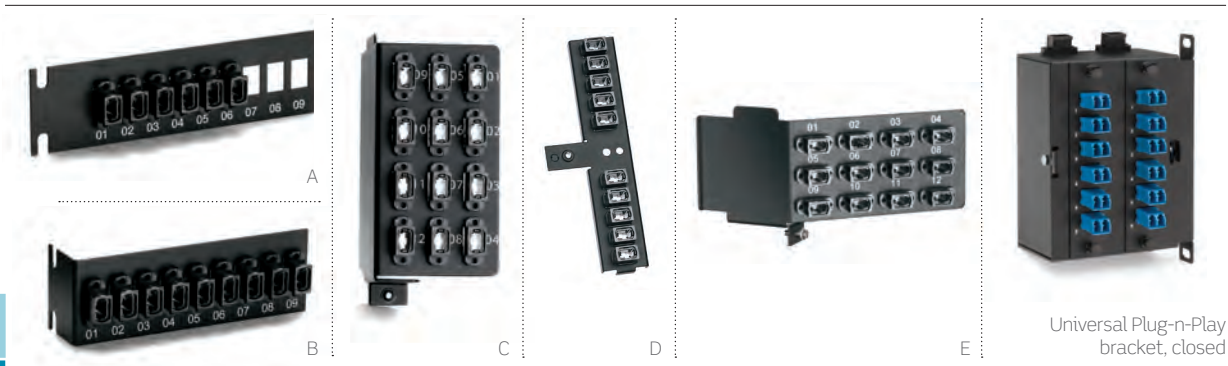
Universal Plug-n-Play
bracket, closed

FIBER

enclosures

FIBER PLUG-N-PLAY MTP BRACKETS

- Available in various sizes and configurations to accommodate 6 to 12 adapters
- Mount to back rail (right or left side) of racks and cabinets, freeing up valuable space
- Provide direct connection to trunk cables and harnesses
- Custom configurations available, call 800.722.2082 for more information
- Available with shutters via special order

For assistance configuring
enclosure and/or kit,
please call 800.722.2082.

UNIVERSAL FIBER PLUG-N-PLAY BRACKETS

- Accept all LightSpace® (LGX® Footprint) 6- and 8-pack adapter plates
- Available in both MTP Plug-n-Play and discrete connector/plug termination configurations
- Mount to back rail (right or left side) of racks and cabinets, freeing up valuable space
- MTP trunk cable can be terminated to either the top or bottom surface of the product
- Available in open or fully closed configurations
- Custom configurations available, call 800.722.2082 for more information

FIBER PLUG-N-PLAY MTP BRACKETS				
DESCRIPTION	6 MTP ADAPTERS	9 MTP ADAPTERS	10 MTP ADAPTERS	12 MTP ADAPTERS
Straight Bracket w/ Adapters **[A]** FB106-0ST		FB109-0ST		
90˚ Angled Bracket w/ Adapters FB106-090		**[B]** FB109-090		
Standard 12 MTP-Adapter Bracket				**[C]** FB112-000
Straight Vertical MTP Bracket			**[D]** FB110-VST	
45˚ Angled MTP Bracket				**[E]** FB112-045

LEVITON
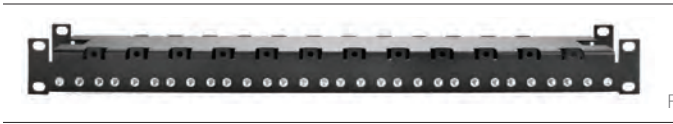
F

VERTICAL PATCHING BRACKETS

- Enable vertical mounting of patch panels, adapter plates (Opt-X® and LightSpace®), and managers to standard 19" racks and cabinets

- Align or replicate patch panel/adapter plate ports with the ports that reside on servers or switches within the same or adjacent rack/cabinet

- 48-port copper panels replicate typical 1G/10G copper switch blades

- 48-channel fiber channels replicate typical 10G fiber switch blades

- Up to ten 1RU copper/fiber patch panels and cable managers can be mounted vertically utilizing 10RU space

- Up to twelve Opt-X or LightSpace adapter plates can be mounted vertically utilizing 5RU space

FIBER

enclosures

VERTICAL PATCHING BRACKET		
DESCRIPTION		PART NO.
Vertical Patching Bracket, 19" (set of two)	**[F]**	VERPB-019

Horizontal cable managers sold separately, see page C5

The Industry's Best Service & Support

Dennis Manes, RCDD
Fiber and Data Center Principal Applications Engineer

Dennis has a hand in a little of everything at Leviton, and our satisfied customers are thankful for it. He helps develop innovative new products while ensuring they meet industry standards and user requirements. He designs data center layouts and cable pathways, customized to each installation. He provides installation support for operations nationwide and abroad. On top of all that, he leads Leviton's crack team of Technical Support Representatives, ready to assist customers with product, installation, and design support. With all his expertise and tireless effort, sometimes we wonder if Dennis has a secret twin or clone army.

A

B

C
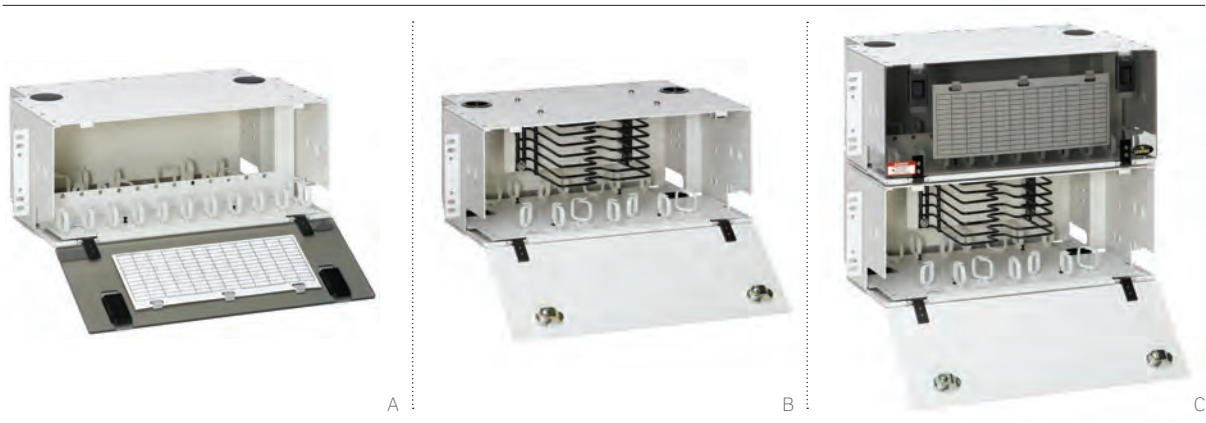
RACK-MOUNT LIGHTSPACE KEY FEATURES

- Large cable management rings for enhanced jumper routing
- Stackable for custom sizing
- Front cable management saddles
- Side entry for backbone cable
- Enclosures are custom configurable
- Constructed of high-strength aluminum, powder-coated central office white
- Mounts on standard 19" and 23" racks and cabinets
- Utilizes LightSpace adapter plates (see pages B37 - B38)

LIGHTSPACE DP SERIES OPTICAL DISTRIBUTION ENCLOSURES

- DP-525 and DP-700 accept LightSpace (LGX® footprint) 6- or 8-pack adapter plates
- DP-105 only accepts LightSpace 12-pack adapter plates
- Removable front door
- Rear door with key lock option
- Upper and lower patch cord bend radius brackets
- Flipcard for connector identification

LIGHTSPACE DPS SERIES OPTICAL SPLICE ENCLOSURES

- Front accessibility to splice trays
- Removable front door with key lock option
- Rear door with key lock option
- Connector identification label

LIGHTSPACE DPC SERIES OPTICAL DISTRIBUTION & SPLICE ENCLOSURES

- All the features of DP and DPS Series Enclosures
- DPC-525 and DPC-700 accept LightSpace (LGX footprint) 6- or 8-pack adapter plates
- DPC-105 accepts LightSpace 12-pack adapter plates

RECOMMENDED APPLICATIONS:

Central Office or Head End, CLEC

19" and 23" Racks and Cabinets

Build your own!
leviton.com / configurator

To configure enclosure, visit **www.leviton.com/configurator** or call **800.722.2082.**

LEVITON

LIGHTSPACE DP OPTICAL DISTRIBUTION ENCLOSURES, STANDARD PART NUMBERS

DESCRIPTION		MAXIMUM CAPACITY					PART NO.
		Fibers (using LC)	Adapter Plates	AND	Splice Trays*	OR	MTP® Modules	
	DP-525, 3RU, empty	144	6		N/A		N/A	DP03U-STD
[A]	DP-700, 4RU, empty	288	12		N/A		N/A	DP04U-STD
	DP-105, 6RU, empty	288	12		N/A		N/A	DP06U-STD

LIGHTSPACE DPS OPTICAL SPLICE ENCLOSURES, STANDARD PART NUMBERS

	DPS-525, 3RU, empty	N/A	N/A		4		N/A	DPS3U-STD
[B]	DPS-700, 4RU, empty	N/A	N/A		6		N/A	DPS4U-STD
	DPS-105, 6RU, empty	N/A	N/A		12		N/A	DPS6U-STD

LIGHTSPACE DPC OPTICAL DISTRIBUTION & SPLICE ENCLOSURES, STANDARD PART NUMBERS

	DPC-525, 6RU, empty	144	6		4		N/A	DPC6U-033
	DPC-752, 7RU, empty	288	12		4		N/A	DPC7U-043
[C]	DPC-700, 8RU, empty	288	12		6		N/A	DPC8U-STD
	DPC-105, 12RU, empty	288	12		12		N/A	DPC12-066

FIBER

enclosures

ACCESSORIES

DESCRIPTION	PART NO.
DP/DPS/DPC Cable Clamp Kit (.25"- 1.25" Dia)	DPCMP-UNV
Key Lock Kit	DPLOK-KIT
Grounding Kit	DPGRD-KIT

Cable Clamp Kit   Key Lock Kit   Grounding Kit

*Maximum splice tray capacity is limited by height of selected splice tray.

A

B

C
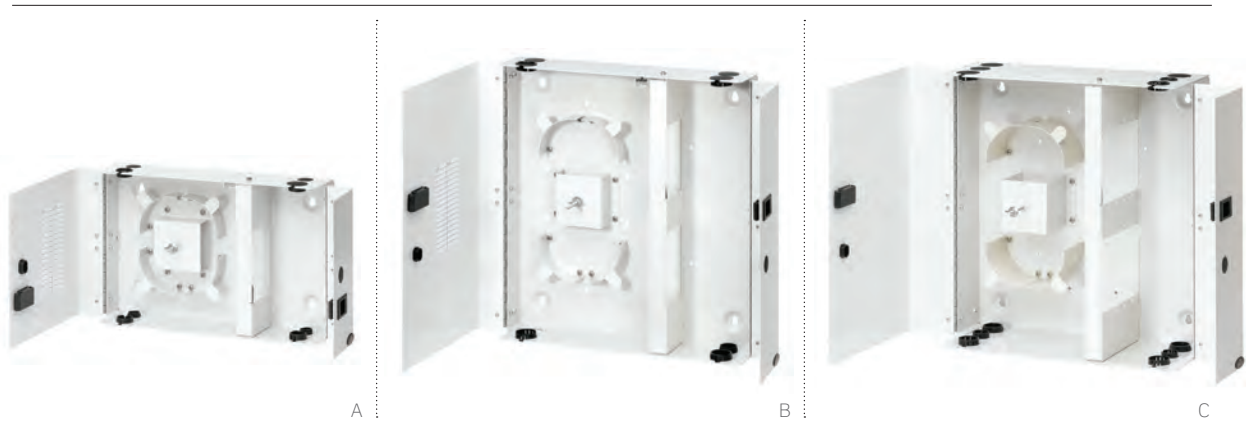
LIGHTSPACE CPC SERIES CUSTOMER PREMISE ENCLOSURES

- Wide-swing radius doors provide full access during installation and maintenance
- Double doors with slam latches provide separation between service provider and customer
- Top or bottom cable entry
- Stackable, allowing for additional capacity
- Constructed of high-strength aluminum, powder-coated central office white
- Accepts all Leviton splice trays
- Utilizes LightSpace adapter plates (see pages B37 - B38)

RECOMMENDED APPLICATIONS:

Central Office or Head End

Wall-Mount

Build your own!
leviton.com / configurator

CPC CUSTOMER PREMISE ENCLOSURES, STANDARD PART NUMBERS

DESCRIPTION	MAXIMUM CAPACITY				PART NO.
	Fibers (using LC)	Adapter Plates	AND Splice Trays*	OR MTP® Modules	
[A] CPC-12, empty	48	2	4	N/A	CPC12-STD
[B] CPC-24, empty	96	4	4	N/A	CPC24-STD
[C] CPC-48, empty	192	8	6	N/A	CPC48-STD

ACCESSORIES

DESCRIPTION	PART NO.
CP Cable Clamp Kit (small) (.25" - .50" diameter cable), use with CPC 12/24/48	CPCSR-001
CP Cable Clamp Kit (large) (.50" - .75" diameter cable), use with CPS 24/48	CPCSR-002
CP Grounding Kit, single cable	CPGRD-KIT
CP Key Lock Kit	CPLOK-KIT

CP Cable Clamp Kit (small)

CP Grounding Kit

CP Cable Clamp Kit (large)

CP Key Lock Kit

*Maximum splice tray capacity is limited by height of selected splice tray.
 See page B32 for splice tray dimension and selection guide.

LEVITON

A

B

C

FIBER

enclosures

LIGHTSPACE CPS SERIES CUSTOMER PREMISE SPLICE ENCLOSURES

- Single fixed left-hinged door with wide-swing radius design for easy access
- Top or bottom cable entry
- Stackable, allowing for additional capacity
- Padlock provision
- Constructed of high-strength aluminum, powder-coated central office white
- Accepts all Leviton splice trays

RECOMMENDED APPLICATIONS:

Central Office or Head End

Enterprise

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CPS CUSTOMER PREMISE SPLICE ENCLOSURES, STANDARD PART NUMBERS

DESCRIPTION	MAXIMUM CAPACITY				PART NO.
	Fibers (using LC)	Adapter Plates	AND Splice Trays*	OR MTP® Modules	
[A] CPS-12, empty	N/A	N/A	4	N/A	CPS12-STD
[B] CPS-24, empty	N/A	N/A	4	N/A	CPS24-STD
[C] CPS-48, empty	N/A	N/A	6	N/A	CPS48-STD

ACCESSORIES

DESCRIPTION	PART NO.
CP Cable Clamp Kit (small) (.25" - .50" diameter cable), use with CPC 12/24/48	CPCSR-001
CP Cable Clamp Kit (large) (.50" - .75" diameter cable), use with CPS 24/48	CPCSR-002
CP Grounding Kit, single cable	CPGRD-KIT
CP Key Lock Kit	CPLOK-KIT

CP Cable Clamp Kit (small)	CP Grounding Kit
CP Cable Clamp Kit (large)	CP Key Lock Kit

*Maximum splice tray capacity is limited by height of selected splice tray.
See page B32 for splice tray dimension and selection guide.

Pigtails, splice tray and adapter plate sold separately.

A   B   C

LIGHTSPACE NETWORK INTERFACE DEVICES (NIDS)

- 3500 model has double upper-hinge doors
- 502H model has a single upper-hinge door
- 530 model has single left-hinge door
- 502H and 3500 models have padlock provision for added security
- All enclosures are custom configurable
- Unique hinging mechanism holds the door open for easy installation and servicing
- Utilizes **LightSpace adapter plates** (see pages B37 - B38)

RECOMMENDED APPLICATIONS:

Demarcation Point

Telecommunications Room

Equipment Room

Wall-Mount

NETWORK INTERFACE DEVICES (NIDS), STANDARD PART NUMBERS

DESCRIPTION	MAXIMUM CAPACITY				PART NO.
	Fibers (using LC)	Adapter Plates	Splice Trays*	MTP® Modules	
[A] NID 3500, double door, empty	12	1	1	N/A	N3500-STD
[B] NID 502H, single door, empty	12	1	1	N/A	N502H-STD
[C] NID 530, single door, left hinge, empty	8	2 Adapters	1	N/A	N5300-STD

(AND between Adapter Plates and Splice Trays; OR between Splice Trays and MTP® Modules)

*Accepts 12-fiber Mini Molded Splice Tray T5PLS-12F (page B39).

See page B32 for splice tray dimension and selection guide.

PART NUMBER CONFIGURATOR - NIDS

Example: **FN502-CEKY**; Fiber NID 502 Enclosure pre-configured with 6-pack plate loaded with duplex LC adapters (aqua color) pre-terminated with color-coded pigtails and (1) splice tray.

FOR ASSISTANCE CONFIGURING YOUR ENCLOSURE, PLEASE CALL 800.722.2082 OR VISIT WWW.LEVITON.COM/CONFIGURATOR.

FNXXX - X X X X

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NID STYLE	ADAPTER PLATE SELECTION		FIBER TYPE	ADAPTER TYPE & PIGTAIL SELECTION		SPLICE TRAY OPTIONS
502*	A = 6-Pack Plate - 6 fibers (SC, ST) (FN502, FN350 only)	G = 2-Pack Plate - 2 fibers (SC, LC) (FN530only)	A = OS2	A = ST	H = ST + pigtail	Y = Splice Tray
350*			B = OM2	B = SC	J = SC + pigtail	N = None
530*	B = 8-Pack Plate - 8 fibers (SC, ST) (FN502, FN350 only)	H = Duplex 2-Pack Plate - 4 fibers (SC, LC) (FN530 only)	C = OM1	C = LC	K = LC + pigtail	
			E = OM3	E = SC/APC	M = SC/APC + pigtail	
	C = Duplex 6-Pack Plate- 12 fibers (SC, LC) (FN502, FN350 only)	K = Quad 2-Pack Plate - 8 fibers (LC) (FN530 only)	F = OM4	F = LC/APC	N = LC/APC + pigtail	

* See chart above for NID capacity.

A

B

C

OPT-X 1000 WALL-MOUNT FIBER OPTIC ENCLOSURES

- Self-healing grommet material protects cable and minimizes dust build-up
- Adjustable fiber management rings easily attach to mounting studs
- Ground terminal lug provides grounding option or cable strain relief
- Cutout on side of enclosure allows access to adapter bulkhead when doors are open
- Door options: split with single lock on service side (optional lock available to install on customer side), solid with or without single lock on customer side
- Constructed of 16-gauge steel, powder-coated black

RECOMMENDED APPLICATIONS:

Telecommunications Room

Equipment Room

OPT-X 1000 SMALL WALL-MOUNT ENCLOSURES						
DESCRIPTION		MAXIMUM CAPACITY				PART NO.
		Fibers (using LC)	Adapter Plates	AND Splice Trays	OR MTP Modules	
	Small, empty, solid metal door, no lock	48	2	N/A	2	5W110-00N
[A]	Small, empty, split metal door and one lock/key	48	2	N/A	2	5W120-00N
	Small, empty, solid metal door and one lock/key	48	2	N/A	2	5W170-00N
OPT-X 1000 MEDIUM WALL-MOUNT ENCLOSURES						
	Medium, empty, solid metal door, no lock	96	4	6	4	5W310-00N
[B]	Medium, empty, split metal door and one lock/key	96	4	6	4	5W320-00N
	Medium, empty, solid metal door and one lock/key	96	4	6	4	5W370-00N
OPT-X 1000 LARGE WALL-MOUNT ENCLOSURES						
[C]	Large, empty, solid metal door, no lock	288	12	6	12	5W710-00N
	Large, empty, split metal door and one lock/key	288	12	6	12	5W720-00N
	Large, empty, solid metal door and one lock/key	288	12	6	12	5W770-00N
ACCESSORIES						
	Lock and Key					5L000-L0K

Opt-X adapter plates are available on pages B33-B34.

ENCLOSURE ACCESSORIES
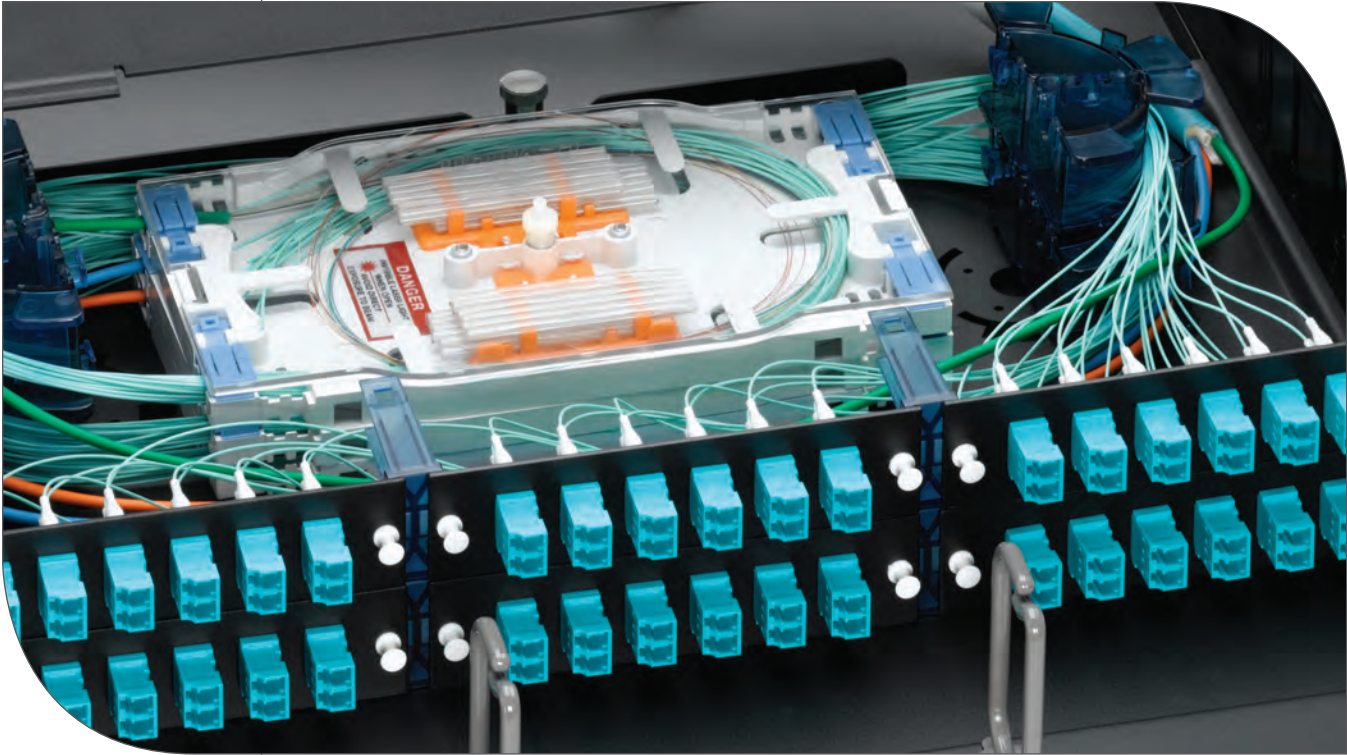
FEATURED PRODUCTS

Opt-X® Adapter Plates **B33**

(New) Opt-X Unity MTP Modules **B36**

Injection-Molded Splice Trays **B39**

Customize your Leviton enclosures with our wide selection of accessories. Adapter plates and MTP modules are available with your choice of connector in Opt-X and LightSpace® (LGX® footprint) styles. Choose traditional metal or injection-molded splice trays along with splice holders and sleeves. Also find fiber management rings, replacement parts, and other model-specific items to tailor Leviton enclosures to your unique application.

CHOOSING YOUR ADAPTER PLATES OR MTP® MODULES
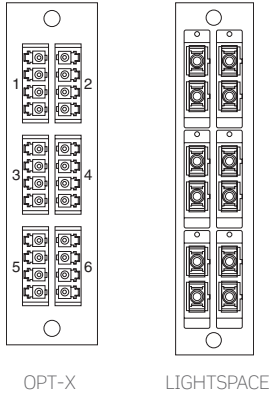
OPT-X   LIGHTSPACE

Leviton offers two styles of adapter plates or MTP modules: Opt-X® and LightSpace® (LGX® footprint). Each style is appropriate for specific Leviton enclosures.

OPT-X

- Exclusive design works with Opt-X Series, including the advanced Opt-X Ultra®, as well as Opt-X 1000i, Opt-X 500i, and wall-mount Opt-X 1000
- Up to fifteen Opt-X-style plates or modules (even quad LCs) can be used in a 4RU enclosure

LIGHTSPACE

- Industry standard style (LGX footprint) adapter plates and modules fit in LightSpace and NIDs

FIBER

enclosure accessories

CHOOSING YOUR SPLICE TRAYS

Leviton offers several styles of metal and injection-molded splice trays.

Use this chart to help determine which style will fit your specific needs.

	Heat Shrink (Plastic Holders)	Heat Shrink (Foam Holders)	Bare Fusion	Opt-X Ultra/1000i/500i (Rack-Mount)	LightSpace DPC/DPS (Rack-Mount)	Opt-X 1000 (Wall-Mount)	LightSpace CPC/CPS (Wall-Mount)	NIDS (Wall-Mount)
METAL SPLICE TRAY (0.35" HEIGHT)								
12-fiber Mini, 4" W x 7" L	T47HS-P06		T47BF-P06	•	•	•	•	
12-fiber Mini, w/ standoff, 4" W x 7" L (0.57" Height)	5T000-00T			•	•	•	•	
12-fiber Standard, 4" W x 11.75" L	T4LHS-P06	T4LHS-F06	T4LBF-P06		•	•	•	
24-fiber High-Density, 4" W x 11.75" L	T4LHS-P12	T4LHS-F12	T4LBF-P12		•	•	•	
12-fiber Standard, 5" W x 11.75" L	T5LHS-P06	T5LHS-F06	T5LBF-P06		•	•	•	
24-fiber High-Density, 5" W x 11.75" L	T5LHS-B12	T5LHS-F12	T5LBF-P12		•	•	•	
INJECTION MOLDED SPLICE TRAY (MINI – 0.39" HEIGHT, HIGH-DENSITY - 0.56" HEIGHT)								
12-fiber Mini, 3.74" W x 5.59" L	T5PLS-12F			•		•	•	•
24-fiber High-Density, 4.5" W x 7.63" L	T5PLS-24F			•		•	•	

See fiber enclosure section for splice tray capacity information.
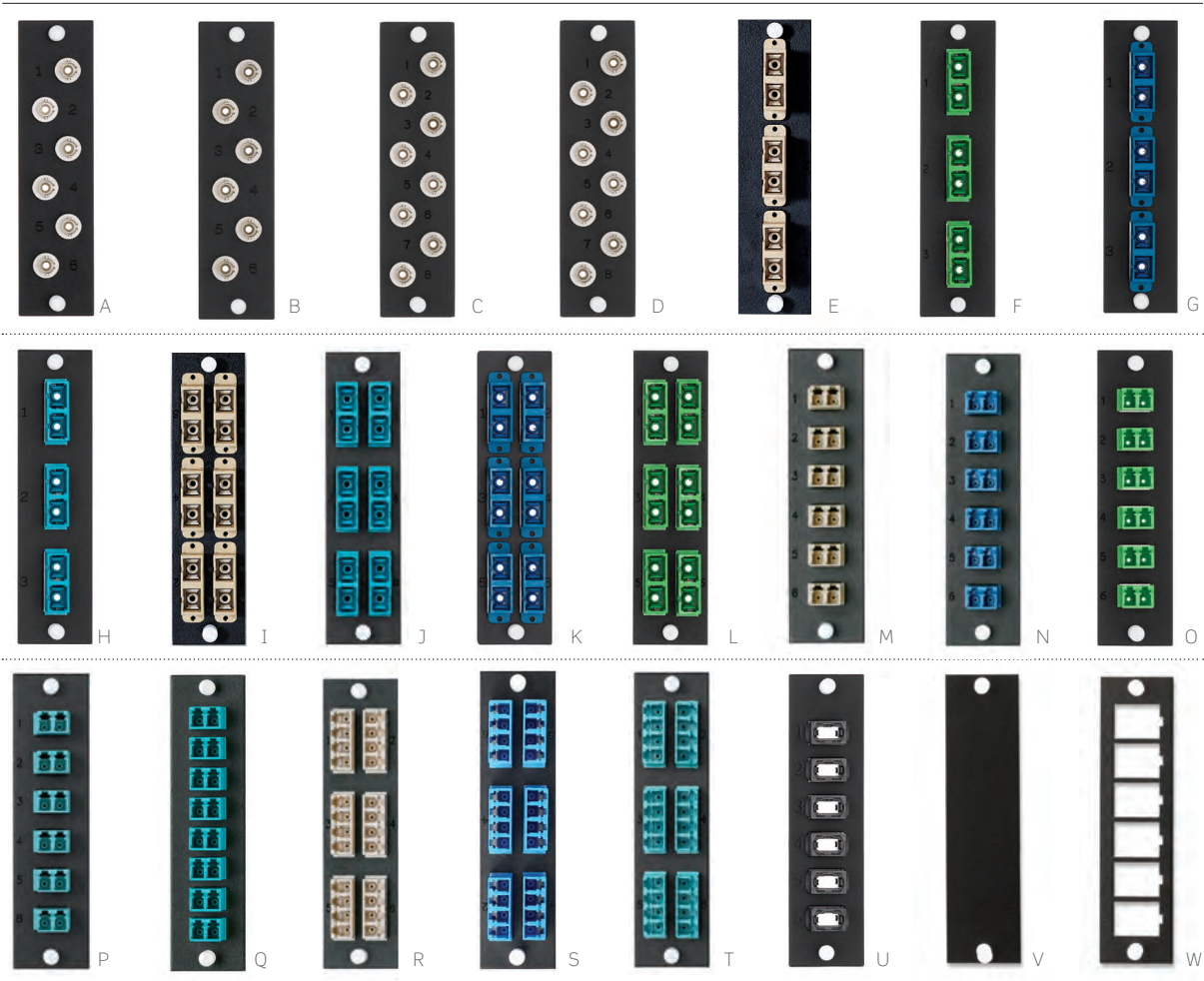
OPT-X ADAPTER PLATES

- Unique design works with Leviton's exclusive Opt-X series, including the advanced Opt-X Ultra®, as well as Opt-X 1000i, Opt-X 500i, and wall-mount Opt-X 1000
- Captive push/pull fasteners allow for quick, tool-free installation and removal
- Available in 3-, 6-, and 8-pack (6 to 24 fibers)
- Fits in all Opt-X rack-mount and wall-mount enclosures and VertiGO® panels
- Available in ST, SC, LC, and MTP®
- MTP and LC adapter plates with shutters available by special order
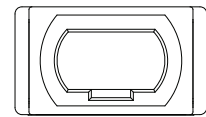
Key Down MTP Adapter
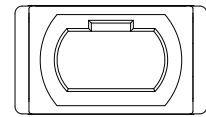
Key Up MTP Adapter

OPT-X ENCLOSURE DENSITY

RACK-MOUNT ENCLOSURES				
1RU (for 1000i & 500i)	**2RU (for 1000i & 500i)**	**3RU (for 1000i)**	**3RU (for 500i)**	**4RU (for 1000i)**
Holds up to 3 adapter plates	*Holds up to 6 adapter plates*	*Holds up to 9/12 adapter plates*	*Holds up to 12 adapter plates*	*Holds up to 12/15 adapter plates*
6-pk ST = up to 18 fibers	6-pk ST = up to 36 fibers	6-pk ST = up to 54/72 fibers	6-pk ST = up to 72 fibers	6-pk ST = up to 72/90 fibers
8-pk ST = up to 24 fibers	8-pk ST = up to 48 fibers	8-pk ST = up to 72/96 fibers	8-pk ST = up to 96 fibers	8-pk ST = up to 96/120 fibers
3-pk Dplx SC = up to 18 fibers	3-pk Dplx SC = up to 36 fibers	3-pk Dplx SC = up to 54/72 fibers	3-pk Dplx SC = up to 72 fibers	3-pk Dplx SC = up to 72/90 fibers
6-pk Dplx SC = up to 36 fibers	6-pk Dplx SC = up to 72 fibers	6-pk Dplx SC = up to 108/144 fibers	6-pk Dplx SC = up to 144 fibers	6-pk Dplx SC = up to 144/180 fibers
6-pk Dplx LC = up to 36 fibers	6-pk Dplx LC = up to 72 fibers	6-pk Dplx LC = up to 108/144 fibers	6-pk Dplx LC = up to 144 fibers	6-pk Dplx LC = up to 144/180 fibers
6-pk Quad LC = up to 72 fibers	6-pk Quad LC = up to 144 fibers	6-pk Quad LC = up to 216/288 fibers	6-pk Quad LC = up to 288 fibers	6-pk Quad LC = up to 288/360 fibers
	8-pk Dplx LC = up to 96 fibers	8-pk Dplx LC = up to 144/192 fibers	8-pk Dplx LC = up to 192 fibers	8-pk Dplx LC = up to 192/240 fibers

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OPT-X FIBER ADAPTER PLATES

	DESCRIPTION	PART NO.
[A]	6-Pack ST MM (6-fiber), phosphor bronze sleeve	5F100-1ST
[B]	6-Pack ST SM (6-fiber), zirconia ceramic sleeve	5F100-6ZT
[C]	8-Pack ST MM (8-fiber), phosphor bronze sleeve	5F100-8ST
[D]	8-Pack ST SM (8-fiber), zirconia ceramic sleeve	5F100-8ZT
[E]	3-Pack Duplex SC MM (6-fiber), beige, phosphor bronze sleeve	5F100-3BC
[F]	3-Pack Duplex SC/APC SM (6-fiber), green, zirconia ceramic sleeve	5F100-3CA
[G]	3-Pack Duplex SC SM (6-fiber), blue, zirconia ceramic sleeve	5F100-3ZC
[H]	3-Pack Duplex SC MM Laser Optimized (6-fiber), aqua, zirconia ceramic sleeve	5F100-3AC
[I]	6-Pack Duplex SC MM (12-fiber), beige, phosphor bronze sleeve	5F100-6BC
[J]	6-Pack Duplex SC MM Laser Optimized (12-fiber), aqua, zirconia ceramic sleeve	5F100-6AC
[K]	6-Pack Duplex SC SM (12-fiber), blue, zirconia ceramic sleeve	5F100-6ZC
[L]	6-Pack Duplex SC/APC SM (12-fiber), green, zirconia ceramic sleeve	5F100-6CA
[M]	6-Pack Duplex LC MM (12-fiber), beige, phosphor bronze sleeve	5F100-12P
[N]	6-Pack Duplex LC SM (12-fiber), blue, zirconia ceramic sleeve	5F100-12Z
[O]	6-Pack Duplex LC/APC SM (12-fiber), green, zirconia ceramic sleeve	5F100-12V
[P]	6-Pack Duplex LC MM Laser Optimized (12-fiber), aqua, zirconia ceramic sleeve	5F100-12A
	8-Pack LC MM (16-fiber), beige, phosphor bronze sleeve	5F100-16P
[Q]	8-Pack LC MM (16-fiber), aqua, zirconia ceramic sleeve	5F100-16A
	8-Pack LC SM (16-fiber), blue, zirconia ceramic sleeve	5F100-16Z
[R]	6-Pack Quad LC MM (24-fiber), beige, phosphor bronze sleeve	5F100-24P
[S]	6-Pack Quad LC SM (24-fiber), blue, zirconia ceramic sleeve	5F100-24Z
[T]	6-Pack Quad LC MM Laser Optimized (24-fiber), aqua, zirconia ceramic sleeve	5F100-24A
[U]	6-Pack MTP® (72-fiber), Method A and C (Key up/Key down)	5F100-6MP
	6-Pack MTP (72-fiber), Method B (Key up/Key up)	5F100-6MB
	8-Pack MTP (96-fiber), Method A and C (Key up/Key down)	5F100-8MP
	8-Pack MTP (96-fiber), Method B (Key up/Key up)	5F100-8MB
[V]	Blank Plate, plastic	5F100-BPP
	Blank Plate, metal	5F100-BLK
[W]	6-Pack, QuickPort®, empty	5F100-6QP

Additional adapter plate configurations available. Please contact inside sales at 800.722.2082 for more information.

FIBER

enclosure accessories

OPT-X ENCLOSURE DENSITY

WALL-MOUNT ENCLOSURES

Small	**Medium**	**Large**
Holds up to 2 adapter plates	*Holds up to 4 adapter plates*	*Holds up to 12 adapter plates*
6-pk ST = up to 12 fibers	6-pk ST = up to 24 fibers	6-pk ST = up to 72 fibers
8-pk ST = up to 16 fibers	8-pk ST = up to 32 fibers	8-pk ST = up to 96 fibers
3-pk Dplx SC = up to 12 fibers	3-pk Dplx SC = up to 24 fibers	3-pk Dplx SC = up to 72 fibers
6-pk Dplx SC = up to 24 fibers	6-pk Dplx SC = up to 48 fibers	6-pk Dplx SC = up to 144 fibers
6-pk Dplx LC = up to 24 fibers	6-pk Dplx LC = up to 48 fibers	6-pk Dplx LC = up to 144 fibers
6-pk Quad LC = up to 48 fibers	6-pk Quad LC = up to 96 fibers	6-pk Quad LC = up to 288 fibers

TWO CONFIGURATIONS AVAILABLE:

1x24 Fiber MTP
(back view)

2x12 Fiber MTP
(back view)
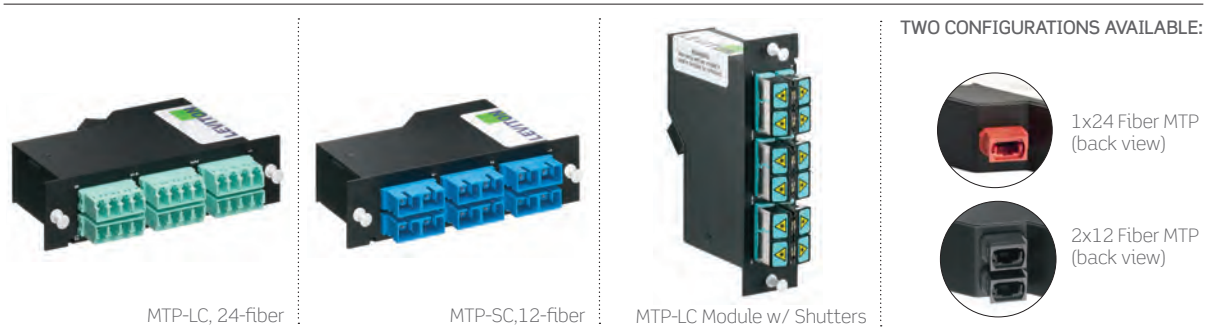
MTP-LC, 24-fiber   MTP-SC,12-fiber   MTP-LC Module w/ Shutters

12-FIBER MTP MODULES

- Available in Opt-X® and LightSpace® (LGX® footprint) styles
- Plug-n-play module eliminates need for field termination or splices
- Each module supports up to 24 fibers (LC)
- Bend-insensitive fiber used in OM3/OM4 modules
- All premium 12-fiber MTP modules use low-loss MTP connectors
- Low insertion loss of 0.5 dB maximum
- 100% factory tested with test results included with each module
- See specific enclosure pages for MTP module capacity
- Available with shutters by special order

PART NUMBER CONFIGURATOR – 12-FIBER MTP PREMIUM MODULES

Example: **FM-B012BAC0A**; 12-fiber 50/125µm std MM, SC to MTP connector, black color, MTP Method A.

FOR ASSISTANCE CONFIGURING YOUR ENCLOSURE, PLEASE CALL 800.722.2082 OR VISIT WWW.LEVITON.COM/CONFIGURATOR.

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FM - X XXX X A X X X

FIBER TYPE	FIBER COUNT	CONNECTOR TYPE	MTP FIBER COUNT	FOOTPRINT	COLOR	POLARITY
A = OS1	012	B = SC	A = 12	A = LightSpace (LGX footprint)	0 = Black (Standard)	A = MTP Method A
B = OM2	024	C = LC		C = Opt-X (Standard)	2 = Beige	BC = MTP Method B, Core, Black Latches
C = OM1		D = LC (w/ shutters)				BE = MTP Method B, Edge, White Latches
E = OM3		E = SC/APC				C = MTP Method C (Standard)
F = OM4		F = LC/APC				
		H = LC/APC (w/ shutters)				
		U = MU				
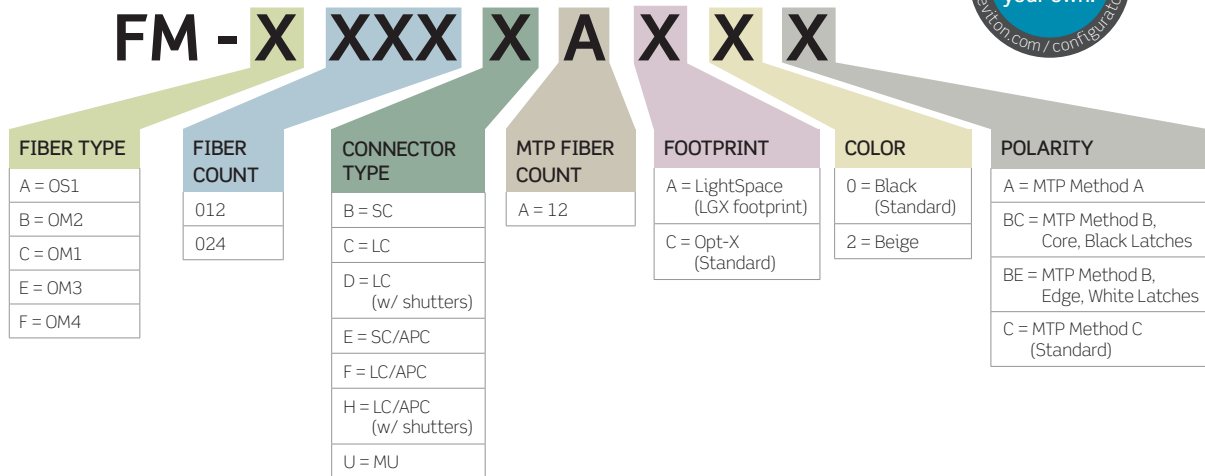
Modules are equipped with pinned (male) MTP connectors.
Standard MTP connector terminates 12 fibers.
Standard color for Opt-X and LightSpace (LGX Footprint) modules is black.
Leviton Plug-n-Play 12-fiber solution follows TIA-568-C.0 Fiber Polarity guidelines.
Additional MTP module configurations available.
Contact inside sales at 800.722.2082 or visit www.leviton.com/configurator for more information.

LEVITON

MTP-LC, 24-fiber

MTP-MTP, 24-fiber

OPT-X UNITY 40/100G MTP MODULES

- Available in Opt-X style footprint
- Allows easy migration from 10G to 40G or 100G
- Each module supports up to 48 fibers using MTP, or 24 fibers using LC
- All modules use either 24-fiber or 12-fiber low-loss MTP connectors
- Bend-insensitive fiber used in OM3/OM4 modules
- MTP-MTP modules are used with MTP array cords on page B52
- See specific enclosure pages for MTP module capacity
- Latches are color coded: black = core, white = edge

40GBASE-SR4, 8-fiber MTP

100GBASE-SR10, 2x12-fiber MTPs

100GBASE-SR10, 24-fiber MTP
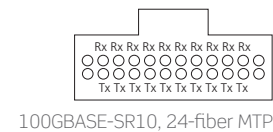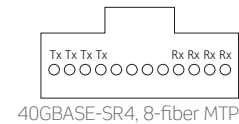
OPT-X UNITY 40/100G MTP MODULES, COMMON CONFIGURATIONS	
DESCRIPTION	PART NO.
MTP Core Module, 24-fiber, 24F MTP-LC, Method B, black latches (core)	FM -*024CDC0BC
MTP Edge Module, 24-fiber, 24F MTP-LC, Method B, white latches (edge)	FM -*024CDC0BE
MTP-MTP Module, 24-fiber, 24F MTP-3x8F MTP, Method B	FM -*024NDC0E
MTP-MTP Module, 48-fiber, 2x24F MTP-6X8F MTP, Method B	FM -*048NDC0B
MTP-MTP Module, 24-fiber, 2x12F MTP-3x8F MTP, Method B	FM -*024NCC0B

Other MTP polarity options available. Contact inside sales at 800.722.2082 for more information.
*= OM3 (E), or OM4 (F).

SPOTLIGHT OM3 10G Fiber Testing

Storage Equipment

Server Equipment
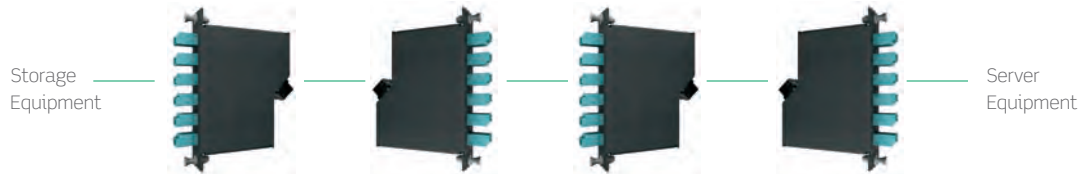
Mated-pair channel tested by Intertek (ETL)

Leviton's OM3 fiber system has been third-party tested by Intertek (ETL) and shown to exceed the performance requirements to support 10GBASE-S. This makes us the first manufacturer to have an independent fiber channel verification completed. Intertek tested three different fiber channel configurations to assure compliance to the maximum insertion loss requirements specified in the TIA-568-C.0 standard. The channels used all of Leviton's OM3 system products, including pre-terminated MTP trunks, MTP-LC cassettes, MTP harnesses, MTP brackets, and patch cords. The channels were configured to show typical data center applications as well as maximum flexibility.

FIBER

enclosure
accessories

A B C D E F G H I J K

L M N O P Q R S T U V
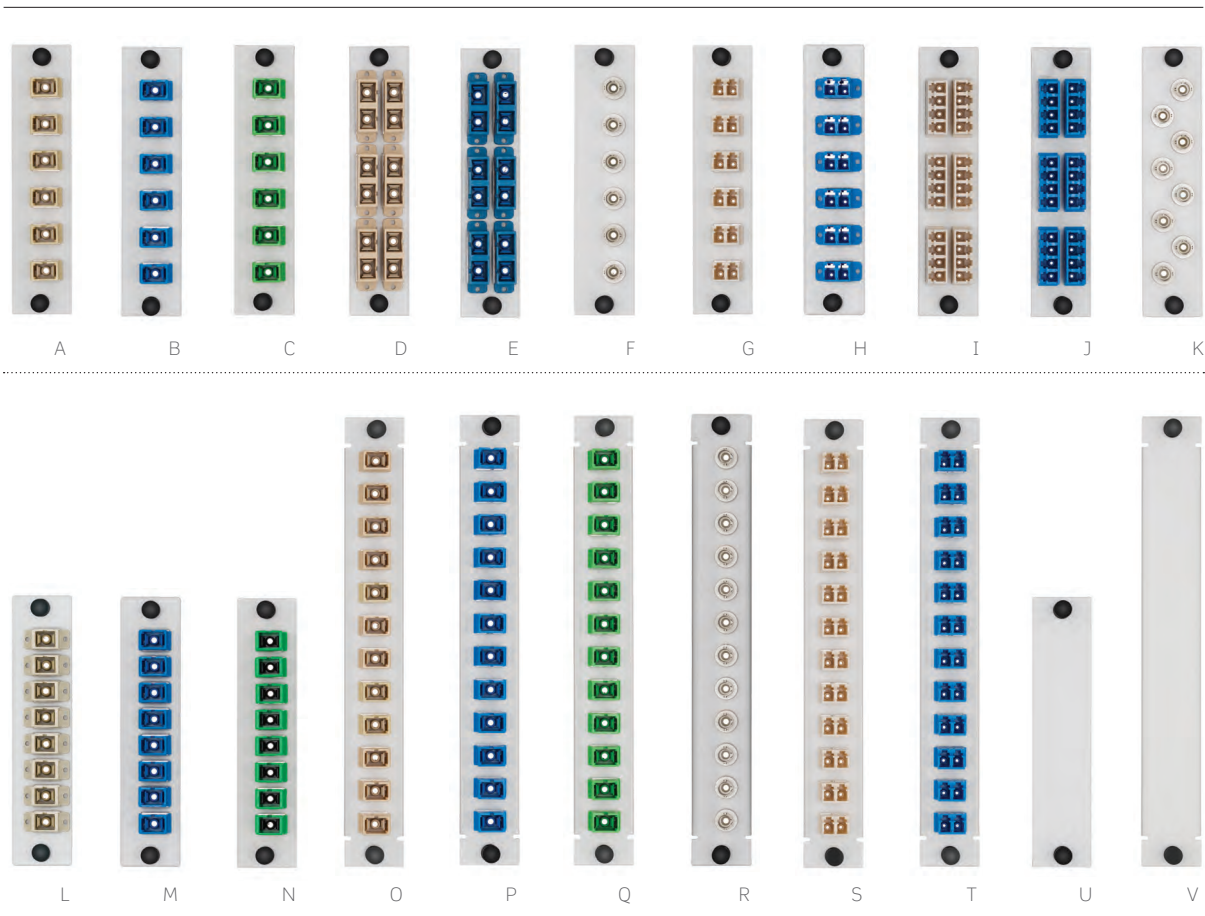
LIGHTSPACE ADAPTER PLATES

- Industry standard style (LGX® footprint) adapter plates fit in all LightSpace wall-mount and rack-mount enclosures, and NIDs
- Captive push/pull fasteners allow for quick, tool-free installation and removal
- Available in 6-, 8-, and 12-packs
- All 6- and 8-packs also available in black
- Available in SC, ST, LC, and MTP®

LIGHTSPACE RACK-MOUNT ENCLOSURE FIBER DENSITY CHART

OPTICAL DISTRIBUTION ENCLOSURES		
DP/DPC 525	DP/DPC 700	DP/DPC 105
Holds up to six 6-pack or 8-pack plates 6-Packs = up to 36 fibers 8-Packs = up to 48 fibers Duplex 6-Packs = up to 72 fibers Quad 6-Packs = up to 144 fibers	*Holds up to twelve 6-pack or 8-pack plates* 6-Packs = up to 72 fibers 8-Packs = up to 96 fibers Duplex 6-Packs = up to 144 fibers Quad 6-Packs = up to 288 fibers	*Holds up to twelve 12-pack plates* 12-Packs = up to 144 fibers

LEVITON

LIGHTSPACE FIBER ADAPTER PLATES

	DESCRIPTION	PART NO.
[A]	6-Pack SC MM (6-fiber), beige, phosphor bronze sleeve	APLW6-SCM
[B]	6-Pack SC SM (6-fiber), blue, zirconia ceramic sleeve	APLW6-SCS
[C]	6-Pack SC/APC SM (6-fiber), green, zirconia ceramic sleeve	APLW6-SCA
	6-Pack Duplex SC/APC SM (12-fiber), green, zirconia ceramic sleeve	APLW6-SDA
[D]	6-Pack Duplex SC MM (12-fiber), beige, phosphor bronze sleeve	APLW6-SDM
[E]	6-Pack Duplex SC SM (12-fiber), blue, zirconia ceramic sleeve	APLW6-SDS
	6-Pack ST MM (6-fiber), phosphor bronze sleeve	APLW6-STM
[F]	6-Pack ST SM (6-fiber), zirconia ceramic sleeve	APLW6-STS
[G]	6-Pack Duplex LC MM (12-fiber), beige, phosphor bronze sleeve	APLW6-LDM
[H]	6-Pack Duplex LC SM (12-fiber), blue, zirconia ceramic sleeve	APLW6-LDS
[I]	6-Pack Quad LC MM (24-fiber), beige, phosphor bronze sleeve	APLW6-LQM
[J]	6-Pack Quad LC SM (24-fiber), blue, zirconia ceramic sleeve	APLW6-LQS
	6-Pack MTP® MM (72-fiber)	APLW6-6MP
[K]	8-Pack ST MM (8-fiber), phosphor bronze sleeve	APLW8-STM
	8-Pack ST SM (8-fiber), zirconia ceramic sleeve	APLW8-STS
[L]	8-Pack (White) SC MM (8-fiber), beige, phosphor bronze sleeve	APLW8-SCM
[M]	8-Pack (White) SC SM (8-fiber), blue, zirconia ceramic sleeve	APLW8-SCS
[N]	8-Pack (White) SC/APC SM (8-fiber), green, zirconia ceramic sleeve	APLW8-SCA
[O]	12-Pack (White) SC MM (12-fiber), beige, phosphor bronze sleeve (DP or DPC 105 Enclosure only)	APL12-SCM
[P]	12-Pack (White) SC SM (12-fiber), blue, zirconia ceramic sleeve (DP or DPC 105 Enclosure only)	APL12-SCS
[Q]	12-Pack (White) SC/APC SM (12-fiber), green, zirconia ceramic sleeve (DP or DPC 105 Enclosure only)	APL12-SCA
	12-pack (White) ST MM (12-fiber), beige, phosphor bronze sleeve (DP or DPC 105 Enclosure only)	APL12-STM
[R]	12-Pack (White) ST SM (12-fiber), blue, zirconia ceramic sleeve (DP or DPC 105 Enclosure only)	APL12-STS
[S]	12-Pack (White) Duplex LC MM (24-fiber), beige, phosphor bronze sleeve (DP or DPC 105 Enclosure only)	APL12-LDM
[T]	12-Pack (White) Duplex LC SM (24-fiber), blue, zirconia ceramic sleeve (DP or DPC 105 Enclosure only)	APL12-LDS
[U]	Blank Plate, metal	APLW6-BLK
[V]	12-Pack (White) blank (DP or DPC 105 Enclosure only)	APL12-BLK

Additional adapter plate configurations available, such as laser optimized multimode adapters (in aqua) for SC and LC.
Contact inside sales at 800.722.2082 for more information.

LIGHTSPACE WALL-MOUNT ENCLOSURE FIBER DENSITY CHART

CUSTOMER PREMISE ENCLOSURES

CPC-12
Holds up to two 6-pack or 8-pack plates
6-Packs = up to 12 fibers
8-Packs = up to 16 fibers
Duplex 6-Packs = up to 24 fibers
Quad 6-Packs = up to 48 fibers

CPC-24
Holds up to four 6-pack or 8-pack plates
6-Packs = up to 24 fibers
8-Packs = up to 32 fibers
Duplex 6-Packs = up to 48 fibers
Quad 6-Packs = up to 96 fibers

CPC-48
Holds up to eight 6-pack or 8-pack plates
6-Packs = up to 48 fibers
8-Packs = up to 64 fibers
Duplex 6-Packs = up to 96 fibers
Quad 6-Packs = up to 192 fibers

FIBER

enclosure accessories

| A | B | C | D | E | F | G |
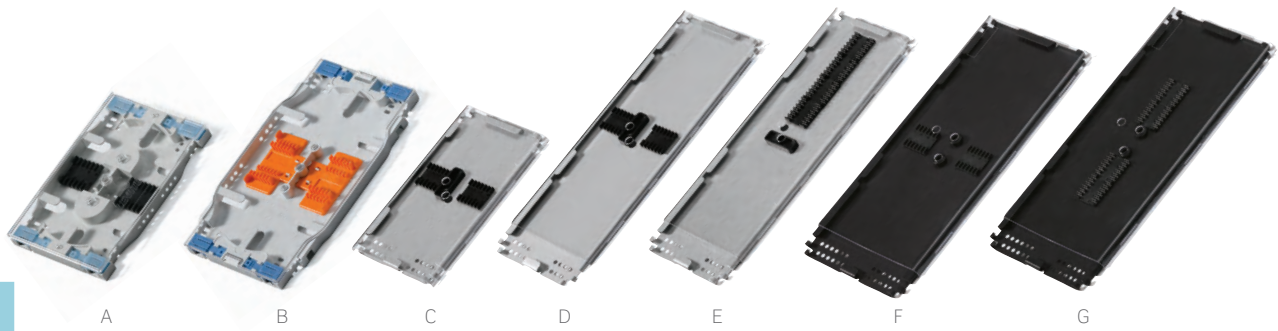
INJECTION-MOLDED SPLICE TRAYS

- 12-fiber mini and 24-fiber high-density splice trays
- Protect and manage heat shrink style spliced fibers
- Heat shrink splice sleeves included
- Ratchet action clamps with foam rubber padding minimize damage to fibers
- Compatible with Leviton Opt-X Ultra®, Opt-X® 1000i, and Opt-X 1000 Series, plus LightSpace® wall-mount enclosures
- 12-fiber splice tray compatible with Leviton network interface devices (NIDs)

METAL SPLICE TRAYS

- Available in 4" and 5" sizes with 12- or 24-fiber capacity
- Heat shrink, heat shrink foam, and bare fusion styles available
- Mounting holes with space blocks prevent fiber damage
- Compatible with Opt-X and LightSpace enclosures
- Mounting hardware included with 5T000-00T

Splice Tray Mounting Hardware Kit

ACCESSORIES	
DESCRIPTION	PART NO.
Splice Tray Mounting Hardware Kit	SPLMT-HKT

INJECTION-MOLDED SPLICE TRAYS			
DESCRIPTION			**PART NO.**
[A]	12-fiber Mini, 3.74" W x 5.59" L x 0.56" H (includes 14 heat shrink splice sleeves)		T5PLS-12F
[B]	24-fiber High-Density, 4.5" W x 7.63" L x 0.50" H (includes 26 heat shrink splice sleeves)		T5PLS-24F
METAL SPLICE TRAYS			
DESCRIPTION	**HEAT SHRINK (PLASTIC)**	**HEAT SHRINK (FOAM)**	**BARE FUSION**
[C] 12-fiber Mini, 4" W x 7" L x 0.35" H	T47HS-P06		T47BF-P06
12-fiber Mini, with standoff 4" W x 7" L x 0.57" H	5T000-00T		
[D] 12-fiber Standard, 4" W x 11.75" L x 0.35" H	T4LHS-P06	T4LHS-F06	T4LBF-P06
[E] 24-fiber High-Density, 4" W x 11.75" L x 0.35" H	T4LHS-P12	T4LHS-F12	T4LBF-P12
[F] 12-fiber Standard, 5" W x 11.75" L x 0.35" H	T5LHS-P06	T5LHS-F06	T5LBF-P06
[G] 24-fiber High-Density, 5" W x 11.75" L x 0.35" H	T5LHS-B12	T5LHS-F12	T5LBF-P12
RIBBON STYLE SPLICE TRAYS			
DESCRIPTION			**PART NO.**
72-fiber Ribbon Style, quartz, 6" W x 10" L x 0.35" H			T6XRB-40Q

Splice tray mounting hardware sold separately except as noted. Additional configurations available including mechanical splice.
Contact inside sales at 800.722.2082 for more information.

LEVITON

A   B   C   D   E

F   G   H   I
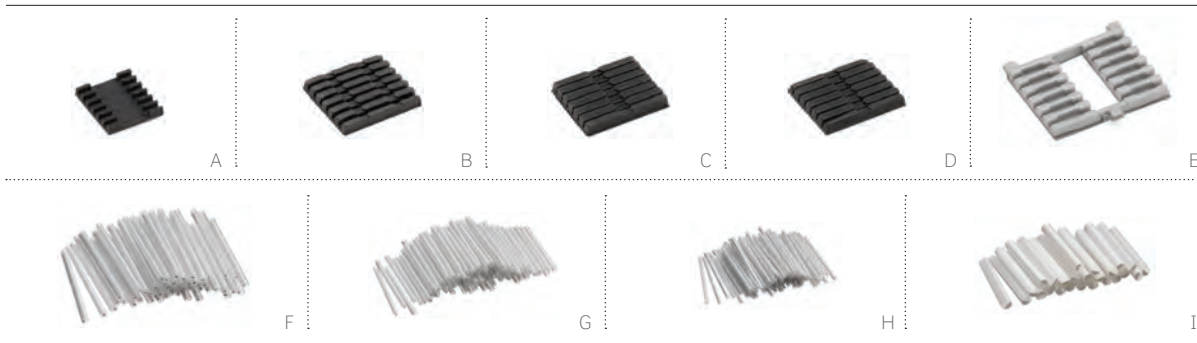
FIBER

enclosure
accessories

SPLICE HOLDERS

- 6- and 12-fiber designs in foam and solid plastic options
- Mini, micro, and mechanical options available
- Styles accommodate the entire range of Leviton fusion splice sleeves

FUSION SPLICE SLEEVES

- Standard 40 mm and 60 mm sizes, plus mini and micro sleeves for smaller trays and fibers
- Precise lengths free of all burrs and sharp edges
- Clear outer tube for viewing fiber color

SPLICE HOLDERS	
DESCRIPTION	**PART NO.**
[A] Splice Holder, heat shrink (black plastic), 6-fiber capacity	FSHHS-P06
Splice Holder, heat shrink (black plastic), 8-fiber capacity	FSHHS-P08
[B] Splice Holder, heat shrink (black foam), 6-fiber capacity	FSHSL-F06
[C] Splice Holder, mini sleeves (black foam), 6-fiber capacity	FSHMI-F06
[D] Splice Holder, micro sleeves (black foam), 6-fiber capacity	FSHMR-F06
Splice Holder, bare fusion, 12-fiber capacity	FSHBF-P12
[E] Splice Holder, heat shrink (LGX® footprint), 6-fiber capacity	FSHAT-F06
Splice Holder, ribbon, 6 position, 72-fiber capacity	FSHRB-F06

FUSION SPLICE SLEEVES					
DESCRIPTION	**STANDARD** 50/PACK	**SLIM** 100/PACK	**MINI** 100/PACK	**MICRO** 100/PACK	**RIBBON** 25/PACK
Fusion Splice Sleeve, 60 mm **[F]**	FSSSD-060	FSSSL-060			
Fusion Splice Sleeve, 40 mm	FSSSD-040	FSSSL-040 **[G]**	FSSMI-040 **[H]**	FSSMR-040	
Fusion Splice Sleeve, 25 mm			FSSMI-025	FSSMR-025	
Fusion Splice Sleeve, quartz, 40 mm				**[I]**	FSSRB-Q40

A

B

C

D

E

F
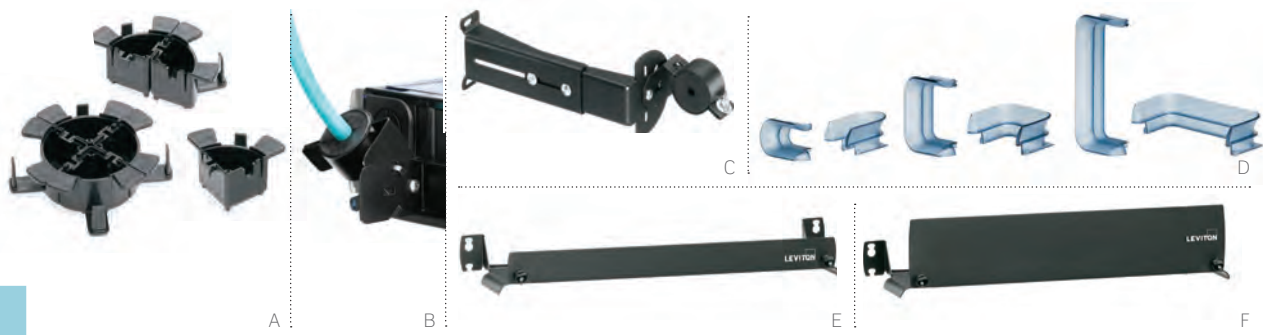
OPT-X ACCESSORIES

Choose cable management and strain relief options, doors and locks, as well as slide mount kits and brackets.

OPT-X ULTRA® ACCESSORIES		
DESCRIPTION		**PART NO.**
[A]	Fiber Cable Management 1/4 Ring Kit, (bag of four 1/4 rings)	5R100-14R
[B]	Universal Opt-X Clamp Kit, Single Cable Grommet (for enclosure mounting)	5RCMP-KIT
	Universal Opt-X Clamp Kit, Multiple Cable Grommet (for enclosure mounting)	5RCMP-KT2
[C]	Universal Clamp Kit, Single and Multiple Cable Grommet (for rack mounting)	5RCMR-KIT
[D]	Opt-X Ultra® Patch Cord Bend Radius Bracket (bag of two)	5PCBR-*BT
	1RU 23" Rack and Cabinet Mounting Bracket	5R1RU-023
	Replacement Door	5D000-*UN
	Replacement Door w/ lock	5D000-*UL
	Replacement Cover, plastic	5C000-RPL
	Replacement Cover, metal	5CMTL-RPL
	Grounding Kit	DPGRD-KIT

OPT-X 1000i & 500i ACCESSORIES		
DESCRIPTION		**PART NO.**
[A]	Fiber Cable Management 1/4 Ring Kit (bag of four 1/4 rings)	5R100-14R
[B]	Universal Opt-X Clamp Kit, Single Cable Grommet (for enclosure mounting)	5RCMP-KIT
	Universal Opt-X Clamp Kit, Multiple Cable Grommet (for enclosure mounting)	5RCMP-KT2
[C]	Universal Clamp Kit, Single and Multiple Cable Grommet (for rack mounting)	5RCMR-KIT
[E]	Opt-X 500i Patch Cord Management Tray, 1RU	5R1UL-CMT
[F]	Opt-X 500i Patch Cord Management Tray, 2/3RU	5R2UL-CMT
	1RU 23" Rack and Cabinet Mounting Bracket	5R1RU-023
	Lock and Key (for Opt-X 1000 Wall-mount Enclosure)	5L000-L0K
	Lock and Key (for Opt-X 1000i Rack-mount Enclosure)	5L000-LAK

* = Rack Units: 1RU (1), 2RU (2), 4RU (4)

SPOTLIGHT Cable Clamp Kits
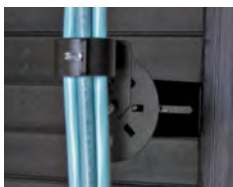
Cable clamp kits minimize excessive pulling, bending, and crushing forces on cable. The kits come with a single cable grommet and a grommet for multiple cables. The **Opt-X Enclosure-mount Universal Clamp Kit** makes it easy to identify cables, and decreases the need for tie-wraps inside the enclosure. The kit also creates a transition point from jacketed cable to buffered fiber or subunits. The **Opt-X Rack-mount Universal Clamp Kit** is ideal for vertical strain relief and strain relief at the top or bottom of a rack/cabinet. Use it for installations with minimal vertical cable pathways and little space for an enclosure-mount cable clamp kit.

A-C

D-G

H-J

LIGHTSPACE ACCESSORIES

Select cable clamp kits, key locks, strain relief options, or grounding solutions.

LIGHTSPACE DP, DPS & DPC SERIES ACCESSORIES	
DESCRIPTION	PART NO.
[A] Cable Clamp Kit (.25" - 1.25" diameter)	DPCMP-UNV
[B] Key Lock Kit	DPLOK-KIT
[C] Grounding Kit	DPGRD-KIT
LIGHTSPACE CPC & CPS SERIES ACCESSORIES	
DESCRIPTION	PART NO.
[D] Cable Clamp Kit (.25" - .50" diameter cable), use with CPC/CPS 12/24/48	CPCSR-001
[E] Cable Clamp Kit (.50" - .75" diameter cable), use with CPC/CPS 24/48	CPCSR-002
[F] Key Lock Kit	CPLOK-KIT
[G] Grounding Kit, single cable	CPGRD-KIT
LIGHTSPACE OCS & VSC SERIES ACCESSORIES	
DESCRIPTION	PART NO.
[H] Cable Clamp Kit (.25" - .50" diameter)	VCCFK-0SM
[I] Cable Clamp Kit (.50" - .75" diameter)	VCCFK-0LG
[J] Grounding and Bonding Kit	VSCGB-KIT

FIBER OPTIC FAN-OUT KITS

- Protect bare fiber and prepare loose tube cable for direct termination to industry-standard connectors
- Separate 250 μm fibers and route into color-coded 900 μm buffer tubes with no proprietary tools
- Available in 6- or 12-strand kits and 24" or 36" lengths
- Works with cabling from any manufacturer (will accommodate buffer tube diameter up to 3.5 mm max)

FIBER OPTIC FAN-OUT KITS	
DESCRIPTION	PART NO.
[A] 24" Fiber Optic Fan-Out Kit, 6-fiber	49887-06S
24" Fiber Optic Fan-Out Kit, 12-fiber	49887-12S
36" Fiber Optic Fan-Out Kit, 6-fiber	49887-06L
36" Fiber Optic Fan-Out Kit, 12-fiber	49887-12L
Fan-Out Consumables Kit	49800-FAN

A
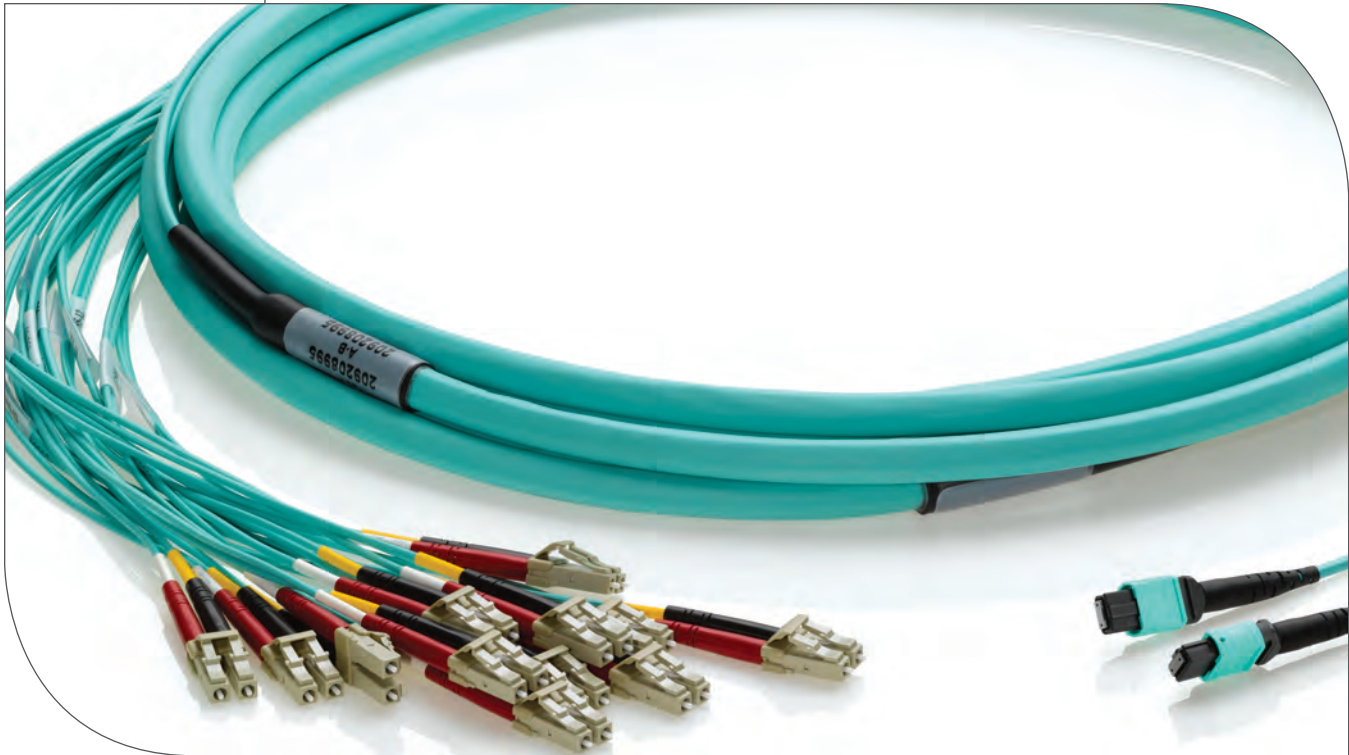
CABLE ASSEMBLIES

FEATURED PRODUCTS

Secure Keyed LC
Trunk Cables **B48**

New **Opt-X® Unity
40/100G System:**
Pre-terminated
Trunk Cables **B44**

Harnesses **B49**

Array Cords **B52**

Simplify fiber connection and termination with Leviton cable assemblies. Take advantage of our new Secure Keyed LC and Opt-X Unity 40/100G assemblies to protect and future-proof your critical networks. Pre-terminated trunk cables and harnesses, plus multimode, single-mode, and pigtail assemblies are all made to customer specifications. Choose cable type, connector combinations, length, mode, and more. Configure online at leviton.com/configurator or use the configurators in this catalog.

New

New

MTP-MTP (2x12)

Connector detail

MTP-MTP (1x24)
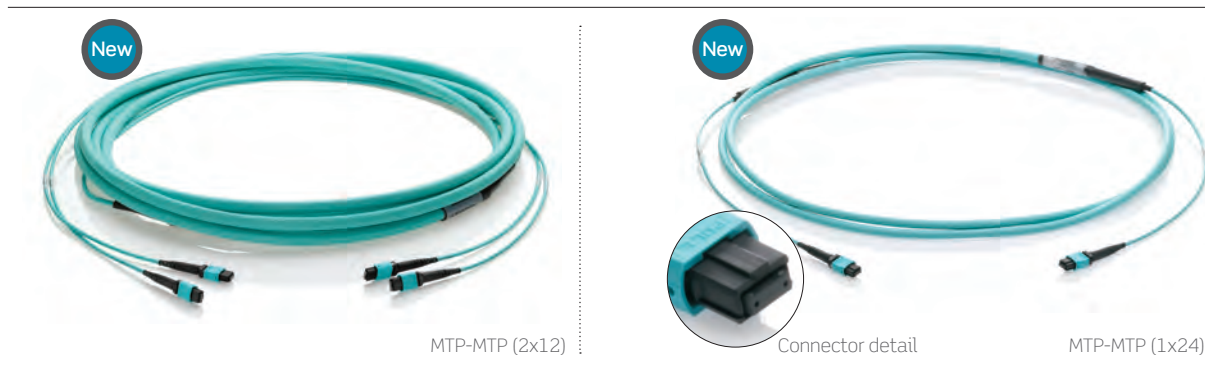
FIBER

cable assemblies

OPT-X UNITY 40/100G PRE-TERMINATED TRUNK CABLES

- **New!** MTP® to MTP trunk cables support 40/100G speeds
- Terminations available in 24-, 12-, and 8-fiber configurations
- Migration solution to 40/100G from existing 10G networks with premium 12-fiber MTP trunk configuration
- Up to 70% faster install than field-terminated trunks
- All orders customized for cable type, length, staggering, fiber count, and labeling
- MTP polarity options are TIA methods A, B, or C (Method B is standard)
- 100% factory tested, with test results included for each assembly
- All assemblies labeled with serial number and length for traceability and easy re-order

See page B5 for Opt-X Unity 40/100G System Overview.

COLOR CODED BOOTS ON MTP

Red - 24 Fiber

Black - 12 Fiber

Gray - 8 Fiber

SPOTLIGHT   Migration Path to 40G & 100G

Leviton's new Pre-terminated MTP solutions offer an ideal migration path from 10G to 40G and 100G channels. The Opt-X Unity 40/100G system features MTP trunks, harnesses, array cords, adapter plates, and modules to help future-proof your networks.

12- or 24-fiber MTP Trunk Cable

MTP

MTP

10G
Leviton components for a 10G channel include 24-fiber MTP-LC modules and LC duplex patch cords.

40G
Migration from 10G to a 40G system replaces LC with MTP components, such as 2x12-fiber to 3x8-fiber MTP modules and 8-fiber MTP array cords.

100G
Moving from 40G to 100G replaces MTP modules with MTP adapter plates and uses 24-fiber MTP array cords.

FIBER

cable assemblies

PART NUMBER CONFIGURATOR – OPT-X UNITY 40/100G MTP® TRUNK CABLES

Example: **FT-EB024LL100F36C36CNYNBS**; Fiber trunk, 24-fiber laser optimized multimode plenum cable (OM3), MTP to MTP, overall length of 100 feet without breakout lengths (to 3 mm jacketed fiber) of 36" on both ends, with no pulling eye. First end termination is staggered. Second end termination is even, with MTP method B polarity. Standard labeling.

FOR ASSISTANCE CONFIGURING YOUR TRUNK CABLE, PLEASE CALL 800.722.2082.

Tx Tx Tx Tx Tx Tx Tx Tx Tx Tx   Rx Rx Rx Rx Rx Rx Rx Rx Rx Rx

100GBASE-SR10, 2x12-fiber MTPs

Rx Rx Rx Rx Rx Rx Rx Rx Rx Rx Rx Rx
Tx Tx Tx Tx Tx Tx Tx Tx Tx Tx Tx Tx

NOTE:
Per IEEE802.3ba

100GBASE-SR10, 24-fiber MTP

MTP-MTP (2x12)

For 40/100G MTP trunks only,
see page B46 for standard trunks.

CABLE TYPE
A = Riser I/O Dry Loose Tube
B = Plenum I/O Dry Loose Tube (Standard)
C = Plenum Armor I/O Dry Loose Tube (Standard)
J = LSZH I/O Dry Loose Tube

FIRST END TERMINATION
H = 24 F MTP (male)
J = 24 F MTP (female)
K = Premium 12 F MTP (male)
L = Premium 12 F MTP (female)

CABLE LENGTH
001-999

UNIT OF MEASURE
F = Feet
M = Meters

BREAKOUT LEG TYPE FIRST END TERMINATION
C = 3mm Jacketed Fiber

BREAKOUT LEG TYPE SECOND END TERMINATION
C = 3mm Jacketed Fiber

STAGGERED SECOND END TERMINATION
Y = Yes
N = No

FT- X X XXX X X XXX X XX C XX C X - X X X X

FIBER TYPE
E = OM3
F = OM4

FIBER COUNT (STRANDS)
012
024
036
048
072
096
144

SECOND END TERMINATION
H = 24 F MTP (male)
J = 24 F MTP (female)
K = Premium 12 F MTP (male)
L = Premium 12 F MTP (female)

BREAKOUT LENGTH (INCHES) FIRST END
12-99 (Typ 36")

BREAKOUT LENGTH (INCHES) SECOND END
12-99 (Typ 36")

PULLING EYE
Y = Yes
N = No

STAGGERED FIRST END TERMINATION
Y = Yes
N = No

POLARITY
A = MTP Method A
B = MTP Method B (Standard)
C = MTP Method C

LABELING
S = Standard
C = Custom

Configurations are not valid unless confirmed by inside sales.
Typical MTP fiber trunks are equipped with pinless (female) MTP connectors.
Fiber trunk lengths greater than 125' are placed in spool.

Application Note: When installed in conduit, pulling eye end should be staggered.

LC-LC

New

MTP-LC

MU Fiber Trunk

FIBER

cable assemblies

PRE-TERMINATED TRUNK CABLES

- Plug-n-play fiber eliminates the need for field terminations or splices
- Up to 70% faster install than field-terminated trunks
- All orders customized for length, staggering, connector type, breakout style, fiber count, and labeling
- Discrete connectors are heat-cured and use ceramic ferrules and sleeves for optimal performance
- Optional pulling eye protects connectors and eases installation
- Available in LC, MU, ST, SC, FC, MT-RJ, and MTP®
- MTP polarity options are TIA methods A, B, or C
- Industry-best turnaround time on delivery
- 100% factory tested, with test results included for each assembly
- All assemblies labeled with serial number and length for traceability and easy re-order

> Standard Pre-terminated Trunk Cable configurator shown on page B47.

MAKE-TO-ORDER (MTO) PRE-TERMINATED TRUNK CABLE OPTIONS:

CABLE LENGTH (FT)

BREAKOUT LEG

BREAKOUT LEG

ALIGNMENT: STAGGERED
(1.5" every sub-unit of 12 fibers)

ALIGNMENT: EVEN

FIRST END TERMINATION

FIBER TYPE
CABLE TYPE
FIBER COUNT

SECOND END TERMINATION

BREAKOUT LENGTH (IN)
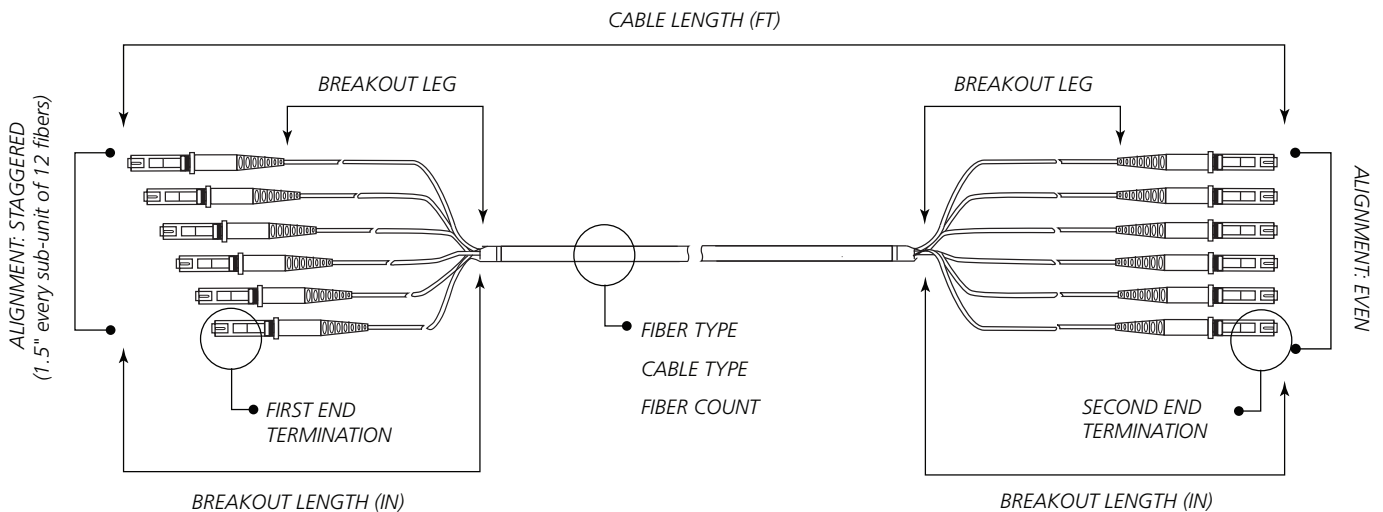
BREAKOUT LENGTH (IN)

NOTE: OPTIONAL PULLING EYE ON FIRST END (not shown)

SPOTLIGHT | Pulling Eye

The pulling eye protects fiber connectors on 12- through 144-fiber trunk cables. It completely covers the breakout length, transferring any pulling force from the assembly to the pulling eye sleeve. Customers can specify which end to have the pulling eye installed.

Also available: a high tensile load option that attaches to Kevlar®.

PART NUMBER CONFIGURATOR - MTP® AND DISCRETE TRUNK CABLES

Example: **FT-EB024CS150F36C36CYYNBS**; Fiber trunk, 24-fiber laser optimized multimode (OM3) plenum cable, LC to MTP, overall length of 150 feet with breakout lengths (to 3 mm jacketed fiber) of 36" on both ends, with pulling eye on first end connector termination. First end termination is staggered. Second end termination is even, with MTP Method B polarity. Standard labeling.

FOR ASSISTANCE CONFIGURING YOUR TRUNK CABLE, PLEASE CALL 800.722.2082 OR VISIT WWW.LEVITON.COM/CONFIGURATOR.

Build your own!
leviton.com / configurator

MTP-LC

FIBER

cable assemblies

FIRST END TERMINATION

A = ST
B = SC
C = LC (duplex clips)
D = FC
E = SC/APC
F = LC/APC
G = FC/APC
Q = MTRJ (female)
R = MTRJ (male)
S = MTP (female)
T = MTP (male)
U = MU
V = LC (uniboot)
X = Other

CABLE TYPE

A = Riser I/O Dry Loose Tube
B = Plenum I/O Dry Loose Tube (Standard)
C = Plenum Armor I/O Dry Loose Tube
G = Riser Distribution
H = Plenum Distribution
J = LSZH I/O Dry Loose Tube
K = LSZH Distribution

CABLE LENGTH

001-999

UNIT OF MEASURE

F = Feet
M = Meters

BREAKOUT LEG TYPES FIRST END TERMINATION

A = 900 μm buffered fiber (for SC, ST, LC, MU)
B = 2mm jacketed fiber (for LC, MU)
C = 3mm jacketed fiber (for SC, ST, LC, MTP)

BREAKOUT LEG TYPES SECOND END TERMINATION

A = 900 μm buffered fiber (for SC, ST, LC, MU)
B = 2mm jacketed fiber (for LC, MU, MT-RJ)
C = 3mm jacketed fiber (for SC, ST, LC, MTP)

STAGGERED SECOND END TERMINATION

Y = Yes
N = No

FT- X X XXX X X XXX X XX X XX XX - X X XX

FIBER TYPE

A = OS2
B = OM2
C = OM1
E = OM3
F = OM4

FIBER COUNT (STRANDS)

004
006
012
024
036
048
072
096
144
XXX = Other

SECOND END TERMINATION

A = ST
B = SC
C = LC (duplex clips)
E = SC/APC
F = LC/APC
S = MTP (female)
T = MTP (male)
U = MU
V = LC (uniboot)
Z = Pigtail
X = Other

BREAKOUT LENGTH (INCHES) FIRST END

12-99 (Typ 36")

BREAKOUT LENGTH (INCHES) SECOND END

12-99 (Typ 36")

PULLING EYE

Y = Yes
N = No

STAGGERED FIRST END TERMINATION

Y = Yes
N = No

POLARITY

A = MTP Method A
B = MTP Method B
C = Method C (Standard)

LABELING

S = Standard
C = Custom

Configurations are not valid unless confirmed by inside sales.
Typical MTP® fiber trunks are equipped with pinless (female) MTP connectors.
Fiber trunk lengths greater than 125' are placed in spool.
Distribution style cables stocked up to 24 fiber count.
Leviton Plug-n-Play solution follows TIA-568-C.3 method C fiber polarity guidelines for array connectors.

Application Note: When installed in conduit, pulling eye end should be staggered.

LEVITON

PRE-TERMINATED SECURE KEYED LC TRUNK CABLES

- Unibody design prevents unauthorized and inadvertent moves, adds, and changes (MACs)
- Duplex LC connectors can only be removed with matching color extraction tool
- Choose from eight colors to segregate and secure networks
- Duplex LC connectors plug into any industry-compliant LC adapter or interface
- Standard polarity: A-B or MTP® Method C; others available
- Standard breakout lengths can be staggered for better cable routing and management
- Trunks over 125' long are shipped on spools, or upon request for shorter lengths
- Made in the United States

New

Secure Keyed LC to Secure Keyed LC, 12-fiber, 50/125 µm

FIBER

cable assemblies

PART NUMBER CONFIGURATOR – SECURE KEYED LC FIBER TRUNK CABLES

Example: **FTO-EB012KK150F36C36CYYNCS**; Fiber trunk, 12-fiber, laser optimized multimode (OM3) plenum cable, keyed duplex LC (orange) to keyed duplex LC (orange), overall length of 150 feet with breakout lengths (to 3 mm jacketed fiber) of 36" on both ends, with pulling eye on first end connector termination. First end termination is staggered, second end termination is even. Polarity is MTP Method B. Standard labeling.

FOR ASSISTANCE CONFIGURING YOUR TRUNKS OR FOR CONFIGURATIONS NOT SHOWN, PLEASE CALL 800.722.2082.

KEYED COLOR	CABLE TYPE	TERMINATION (FIRST END)	CABLE LENGTH	UNIT OF MEASURE	1ST BREAK-OUT LEG	2ND BREAK-OUT LEG	1ST END STAGGERED TERMINATION	POLARITY
W = White	A = Riser I/O Dry Loose Tube	K = Secure Keyed LC Duplex (unibody)	001-999	F = Feet	A = 900 µm buffered fiber	A = 900 µm buffered fiber	Y = Yes	A = MTP Method A
Y = Yellow	B = Plenum I/O Dry Loose Tube (Standard)			M = Meters		B = 2mm jacketed fiber	N = No	B = MTP Method C
O = Orange	C = Plenum Armor I/O Dry Loose Tube (Standard)				C = 3mm jacketed fiber	C = 3mm jacketed fiber		C = MTP Method B
R = Red	G = Riser Distribution (Standard)							
L = Blue	H = Plenum Distribution							
V = Green								
G = Slate								
E = Black								

FTX - X X XXX K X XXX X XX X XX X X - X X X X

FIBER TYPE	FIBER COUNT	TERMINATION (SECOND END)		1ST BREAK-OUT (INCHES)	2ND BREAK-OUT (INCHES)	PULLING EYE	2ND END STAGGERED TERMINATION	LABELING
A = OS2	004	A = ST	S = MTP (female)	12-99 (Typ 36")	12-99 (Typ 36")	Y = Yes	Y = Yes	S = Standard
B = OM2	006	B = SC (duplex clip)	T = MTP (male)			N = No	N = No	C = Custom
C = OM1	012	C = LC (duplex clip)	U = MU					
E = OM3	024	E = SC/APC	Z = Pigtail					
F = OM4	036	F = LC/APC						
	048	K = Secured Keyed LC Duplex (unibody)						
	072							
	096							
	144							

For Secure Keyed LC connectors, accessories, and colors, see page B62.

24-fiber MTP to 2x12-fiber MTP
50/125µm LOMM

24-fiber MTP to 3x8-fiber MTP
50/125µm LOMM

2x12-fiber MTP to 3x8-fiber MTPs
50/125µm LOMM

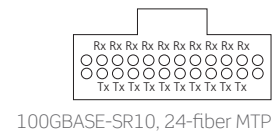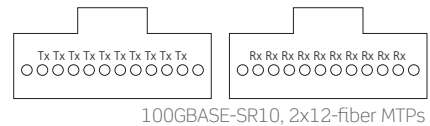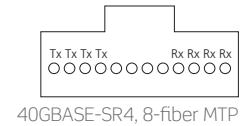## OPT-X UNITY 40/100G MTP ARRAY HARNESSES

- Pre-terminated MTP to MTP connectors in laser optimized multimode
- Custom short length cable for cabinet/rack patching
- Custom staggering available
- MTP polarity options are TIA method A, B, or C (Method B Standard)
- Used in conjunction with MTP brackets (Zero-U) or adapter plates
- 100% factory tested, with test results included for each assembly
- All assemblies labeled with serial number and length for traceability and easy re-order
- For use in attaching directly to 40/100G transceivers
- Used in 12- or 24-fiber cabling systems
- Color coded boots

NOTE:
Per IEEE802.3ba

Tx Tx Tx   Rx Rx Rx Rx

40GBASE-SR4, 8-fiber MTP

Tx Tx Tx Tx Tx Tx Tx Tx Tx Tx   Rx Rx Rx Rx Rx Rx Rx Rx Rx Rx

100GBASE-SR10, 2x12-fiber MTPs

Rx Rx Rx Rx Rx Rx Rx Rx Rx Rx
Tx Tx Tx Tx Tx Tx Tx Tx Tx Tx

100GBASE-SR10, 24-fiber MTP

PART NUMBER CONFIGURATOR – OPT-X UNITY 40/100G MTP ARRAY HARNESSES

Example: **FH-EH024HH836BE**; Fiber Harness, 24-fiber laser optimized multimode cable (OM3), MTP-MTP, overall length of 8' with breakout length of 36". Polarity is MTP method B. Terminated on both ends with 24-fiber male MTP.

FOR ASSISTANCE CONFIGURING YOUR HARNESS, PLEASE CALL 800.722.2082.
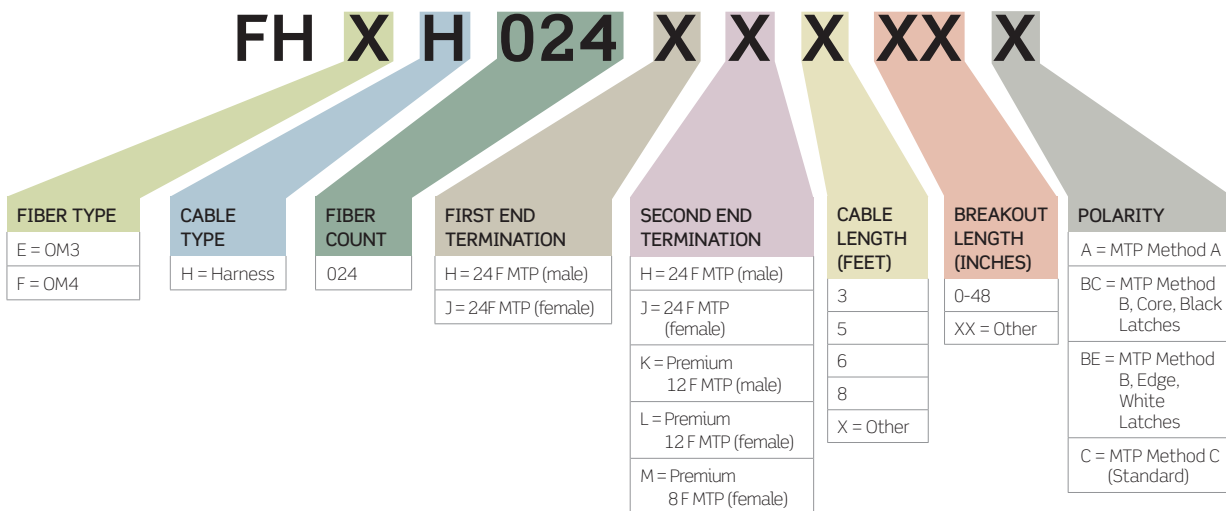
FH X H 024 X X X XX X

FIBER TYPE	CABLE TYPE	FIBER COUNT	FIRST END TERMINATION	SECOND END TERMINATION	CABLE LENGTH (FEET)	BREAKOUT LENGTH (INCHES)	POLARITY
E = OM3	H = Harness	024	H = 24 F MTP (male)	H = 24 F MTP (male)	3	0-48	A = MTP Method A
F = OM4			J = 24F MTP (female)	J = 24 F MTP (female)	5	XX = Other	BC = MTP Method B, Core, Black Latches
				K = Premium 12 F MTP (male)	6		BE = MTP Method B, Edge, White Latches
				L = Premium 12 F MTP (female)	8		C = MTP Method C (Standard)
				M = Premium 8 F MTP (female)	X = Other		

Harnesses are typically equipped with pinned (male) connectors on one end. Standard harnesses are supplied with straight polarity.

MTP-LC, LOMM

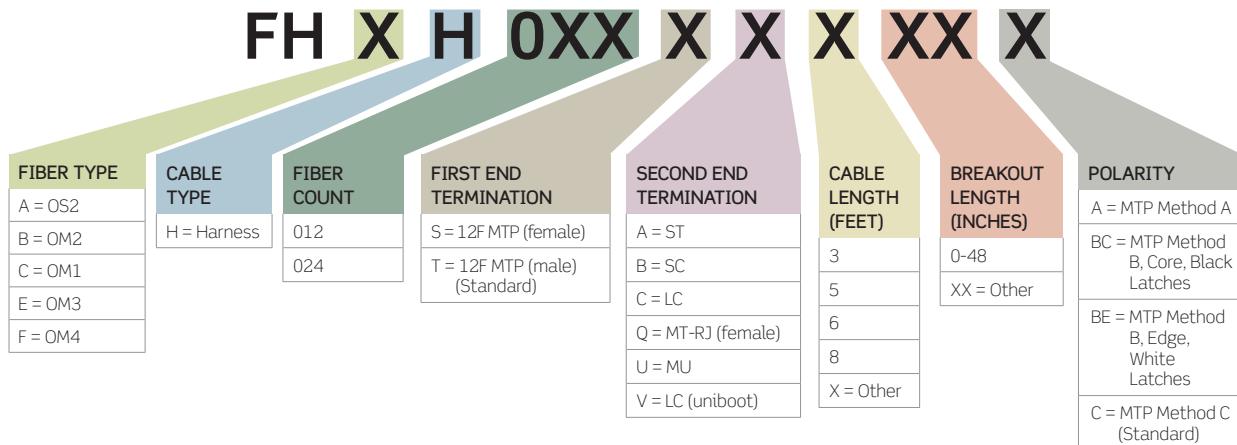MTP-SC, SM

MTP-SC, LOMM

FIBER

cable assemblies

HARNESSES

- Pre-terminated MTP® to discrete connectors (SC, LC, MU, ST, MT-RJ) in all fiber types
- Custom short length cable reduces congestion in cabinet/rack patching applications
- Custom staggering available
- Straight polarity configuration
- Used in conjunction with MTP brackets (Zero-U) or Flush Mount Series MTP 1RU panels as plug-n-play solution
- Used as direct connect into SAN equipment
- 100% factory tested, with test results included for each assembly
- All assemblies labeled with serial number and length for traceability and easy re-order

PART NUMBER CONFIGURATOR - HARNESSES

Example: **FH-EH012TB836C**; Fiber Harness, 12-fiber laser optimized multimode cable (OM3), 12-fiber MTP-SC, overall length of 8' with breakout length of 36". Polarity is MTP Method C.

FOR ASSISTANCE CONFIGURING YOUR HARNESS, PLEASE CALL 800.722.2082 OR VISIT WWW.LEVITON.COM/CONFIGURATOR.

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FH X H 0XX X X X XX X

FIBER TYPE	CABLE TYPE	FIBER COUNT	FIRST END TERMINATION	SECOND END TERMINATION	CABLE LENGTH (FEET)	BREAKOUT LENGTH (INCHES)	POLARITY
A = OS2	H = Harness	012	S = 12F MTP (female)	A = ST	3	0-48	A = MTP Method A
B = OM2		024	T = 12F MTP (male) (Standard)	B = SC	5	XX = Other	BC = MTP Method B, Core, Black Latches
C = OM1				C = LC	6		BE = MTP Method B, Edge, White Latches
E = OM3				Q = MT-RJ (female)	8		C = MTP Method C (Standard)
F = OM4				U = MU	X = Other		
				V = LC (uniboot)			

Harnesses are typically equipped with pinned (male) connectors on one end.
Standard harnesses are supplied with straight polarity.
Leviton Plug-n-Play solution follows TIA-568-C.0 fiber polarity guidelines.

SECURE KEYED LC HARNESSES

- Unibody design prevents unauthorized and inadvertent moves, adds, and changes (MACs)
- Duplex LC connectors can only be removed with matching color extraction tool
- Choose from eight colors to segregate and secure networks
- Duplex LC connectors plug into any industry compliant LC adapter or interface
- Polarity is A to A
- Harnesses are part of Leviton's Make-to-Order (MTO) program
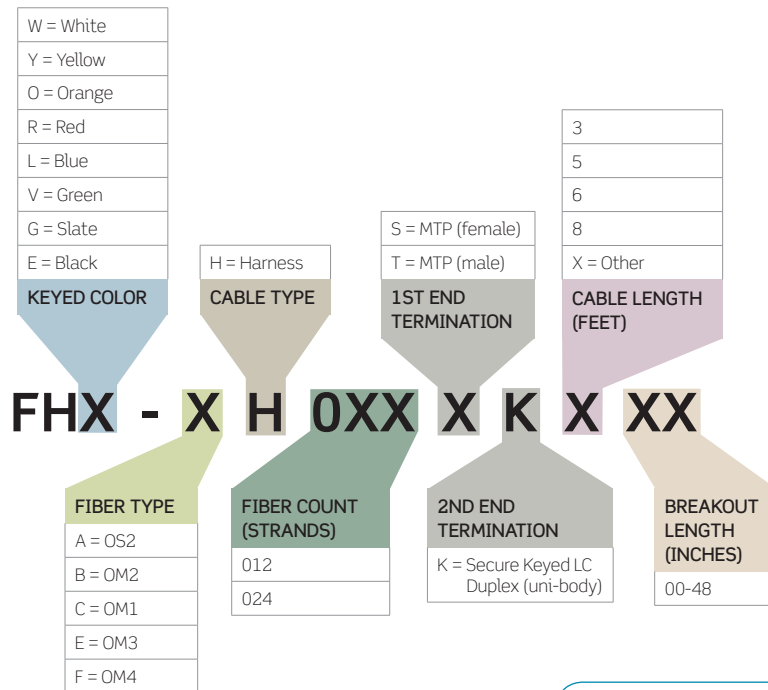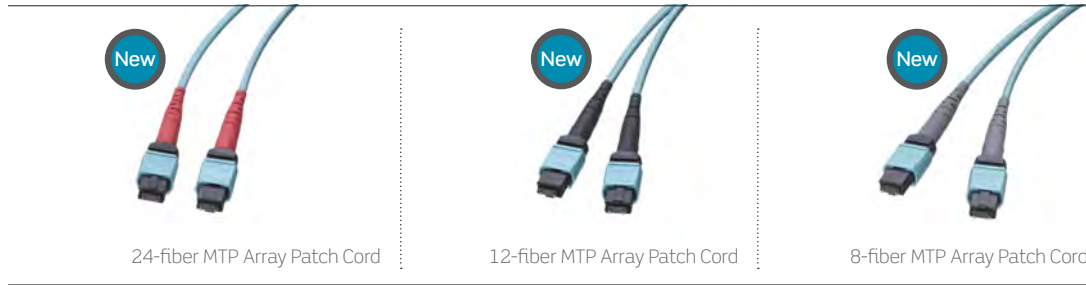- Made in the United States

New
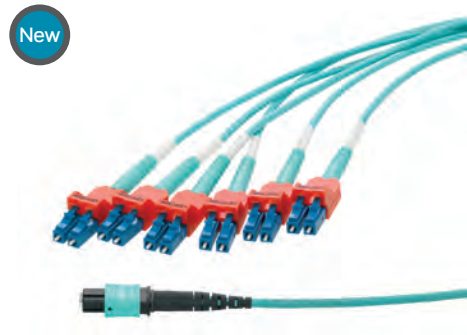
Secure Keyed MTP-LC Harness

PART NUMBER CONFIGURATOR - SECURE KEYED LC MTP-LC HARNESSES

Example: **FHR-EH012SK0636**; Fiber Harness, 12-fiber laser optimized multimode cable (OM3), MTP-LC, MTP to keyed duplex LC (red), overall length of 6' with breakout length of 36".

FOR ASSISTANCE CONFIGURING YOUR PATCH CORDS OR FOR CONFIGURATIONS NOT SHOWN, PLEASE CALL 800.722.2082.

KEYED COLOR
W = White
Y = Yellow
O = Orange
R = Red
L = Blue
V = Green
G = Slate
E = Black

CABLE TYPE
H = Harness

1ST END TERMINATION
S = MTP (female)
T = MTP (male)

CABLE LENGTH (FEET)
3
5
6
8
X = Other

FHX - X H 0XX X K X XX

FIBER TYPE
A = OS2
B = OM2
C = OM1
E = OM3
F = OM4

FIBER COUNT (STRANDS)
012
024

2ND END TERMINATION
K = Secure Keyed LC Duplex (uni-body)

BREAKOUT LENGTH (INCHES)
00-48

For Secure Keyed LC connectors, accessories, and colors, see page B62.

New

24-fiber MTP Array Patch Cord

New

12-fiber MTP Array Patch Cord

New

8-fiber MTP Array Patch Cord

OPT-X UNITY 40/100G MTP ARRAY CORDS

- 50/125 μm laser optimized multimode, OM3 and OM4
- 8-, 12-, and 24-fiber MTP® array cords offer migration path from 10G to 40/100G
- Available in lengths of 1, 2, 3, 5, and 10 meters
- See page B5 for Opt-X Unity 40/100G system overview

50/125 μm MULTIMODE ARRAY CORDS (OM3/OM4)	
DESCRIPTION	PART NO.
OM3 MTP-MTP, 1 meter	5L*T†-M01
OM3 MTP-MTP, 2 meters	5L*T†-M02
OM3 MTP-MTP, 3 meters	5L*T†-M03
OM3 MTP-MTP, 5 meters	5L*T†-M05
OM3 MTP-MTP, 10 meters	5L*T†-M10
OM4 MTP-MTP, 1 meter	54*T†-M01
OM4 MTP-MTP, 2 meters	54*T†-M02
OM4 MTP-MTP, 3 meters	54*T†-M03
OM4 MTP-MTP, 5 meters	54*T†-M05
OM4 MTP-MTP, 10 meters	54*T†-M10

* = Fiber count. (2) = 12 fibers, (8) = 8 fibers, (4) = 24 fibers.
† = Polarity (A) = Type A
  = Polarity (B) = Type B
  = Polarity (C) = Type C

LC-LC Duplex
62.5/125 µm MM

ST-SC Duplex
62.5/125 µm LOMM

SC-SC Duplex
50/125 µm LOMM

LC-SC Duplex
50/125 µm LOMM
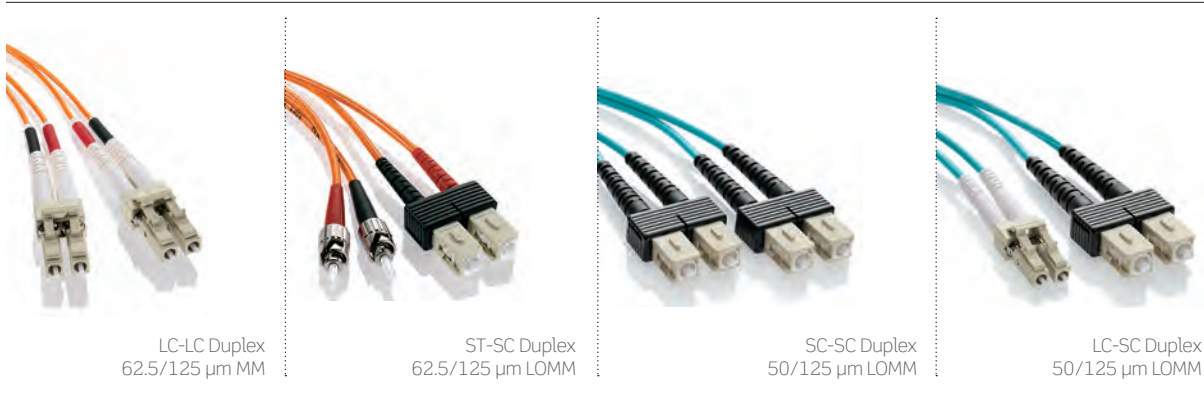
MULTIMODE PATCH CORDS

- Available in standard SC, ST, LC, or hybrid options in lengths of 1, 2, 3, 5, or 10 meters
- Riser-rated simplex or duplex zip-cord multimode cable
- Standard 50/125 µm and 62.5/125 µm in orange jacket cable
- < 0.4 dB insertion loss, > 25 dB back reflection

LASER OPTIMIZED PATCH CORDS

- 50/125 µm laser optimized multimode cable (aqua jacket)
- Reverse polarity configuration
- < 0.4 dB insertion loss, > 25 dB back reflection

PART NUMBER CONFIGURATOR – CUSTOM FIBER OPTIC PATCH CORDS & PIGTAILS

Example: **62DST-M15**; Fiber Patch Cord, 62.5/125 µm (OM1) duplex riser-rated cable, ST to ST, 15 meter length.

FOR ASSISTANCE CONFIGURING YOUR CABLE ASSEMBLY, PLEASE CALL 800.722.2082.

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XX X XX - XXX

CORE STYLE/POLISH TYPE
Multimode Core
50 = 50/125 µm (OM2)
62 = 62.5/125 µm (OM1)
5L = 50/125 µm laser optimized (10G-300 m) (OM3)
54 = 50/125 µm laser optimized (10G-550 m) (OM4)
Single-Mode Core
UP = UPC Polish (ultra physical contact)
AP = APC Polish (angle physical contact)
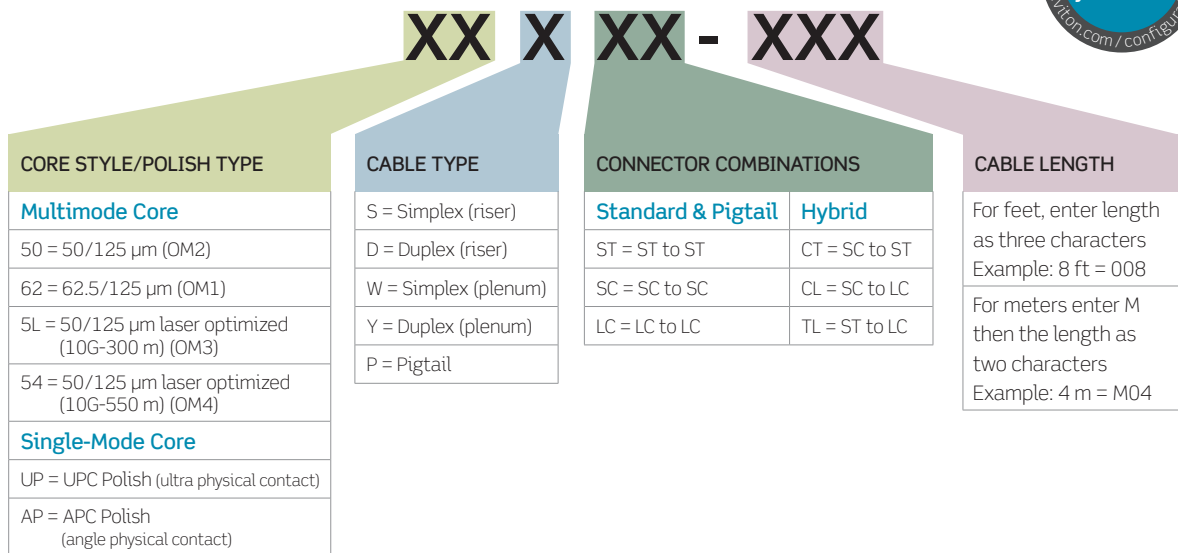
For lengths greater than 99 meters, call inside sales for part number.

CABLE TYPE
S = Simplex (riser)
D = Duplex (riser)
W = Simplex (plenum)
Y = Duplex (plenum)
P = Pigtail

CONNECTOR COMBINATIONS	
Standard & Pigtail	**Hybrid**
ST = ST to ST	CT = SC to ST
SC = SC to SC	CL = SC to LC
LC = LC to LC	TL = ST to LC

CABLE LENGTH
For feet, enter length as three characters Example: 8 ft = 008
For meters enter M then the length as two characters Example: 4 m = M04

62.5/125 µm MULTIMODE (OM1)

DESCRIPTION	LENGTH (METERS)	DUPLEX	SIMPLEX
SC-SC	1	62DSC-M01	62SSC-M01
SC-SC	2	62DSC-M02	62SSC-M02
SC-SC	3	62DSC-M03	62SSC-M03
SC-SC	5	62DSC-M05	62SSC-M05
SC-SC	10	62DSC-M10	62SSC-M10
ST-ST	1	62DST-M01	62SST-M01
ST-ST	2	62DST-M02	62SST-M02
ST-ST	3	62DST-M03	62SST-M03
ST-ST	5	62DST-M05	62SST-M05
ST-ST	10	62DST-M10	62SST-M10
LC-LC	1	62DLC-M01	62SLC-M01
LC-LC	2	62DLC-M02	62SLC-M02
LC-LC	3	62DLC-M03	62SLC-M03
LC-LC	5	62DLC-M05	62SLC-M05
LC-LC	10	62DLC-M10	62SLC-M10
SC-ST	1	62DCT-M01	62SCT-M01
SC-ST	2	62DCT-M02	62SCT-M02
SC-ST	3	62DCT-M03	62SCT-M03
SC-ST	5	62DCT-M05	62SCT-M05
SC-ST	10	62DCT-M10	62SCT-M10
SC-LC	1	62DCL-M01	62SCL-M01
SC-LC	2	62DCL-M02	62SCL-M02
SC-LC	3	62DCL-M03	62SCL-M03
SC-LC	5	62DCL-M05	62SCL-M05
SC-LC	10	62DCL-M10	62SCL-M10

50/125 µm MULTIMODE (OM2)

DESCRIPTION	LENGTH (METERS)	DUPLEX	SIMPLEX
SC-SC	1	50DSC-M01	50SSC-M01
SC-SC	2	50DSC-M02	50SSC-M02
SC-SC	3	50DSC-M03	50SSC-M03
SC-SC	5	50DSC-M05	50SSC-M05
SC-SC	10	50DSC-M10	50SSC-M10
ST-ST	1	50DST-M01	50SST-M01
ST-ST	2	50DST-M02	50SST-M02
ST-ST	3	50DST-M03	50SST-M03
ST-ST	5	50DST-M05	50SST-M05
ST-ST	10	50DST-M10	50SST-M10
LC-LC	1	50DLC-M01	50SLC-M01
LC-LC	2	50DLC-M02	50SLC-M02
LC-LC	3	50DLC-M03	50SLC-M03
LC-LC	5	50DLC-M05	50SLC-M05
LC-LC	10	50DLC-M10	50SLC-M10

50/125 µm LASER OPTIMIZED MULTIMODE (OM3)

DESCRIPTION	LENGTH (METERS)	DUPLEX
SC-SC	1	5LDSC-M01
SC-SC	2	5LDSC-M02
SC-SC	3	5LDSC-M03
SC-SC	5	5LDSC-M05
SC-SC	10	5LDSC-M10
LC-LC	1	5LDLC-M01
LC-LC	2	5LDLC-M02
LC-LC	3	5LDLC-M03
LC-LC	5	5LDLC-M05
LC-LC	10	5LDLC-M10
SC-LC	1	5LDCL-M01
SC-LC	2	5LDCL-M02
SC-LC	3	5LDCL-M03
SC-LC	5	5LDCL-M05
SC-LC	10	5LDCL-M10

FIBER

cable assemblies

UPC LC-LC Simplex SM

UPC ST-SC Simplex SM

APC SC-SC Simplex SM

FIBER

cable assemblies

SINGLE-MODE PATCH CORDS

- Available in standard SC, ST, LC, or hybrid options in 1, 2, 3, 5, or 10 meter lengths
- Riser-rated simplex or duplex zip cord single-mode cable
- UPC or APC polish style connectors
- < 0.3 dB insertion loss, -55 dB (UPC) / -65 dB (APC) back reflection
- Low-Smoke Zero-Halogen (LSZH) OS2 available by special order

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UPC SINGLE-MODE PATCH CORDS (OS1)			
DESCRIPTION	LENGTH (METERS)	DUPLEX	SIMPLEX
SC-SC	1	UPDSC-S01	UPSSC-S01
SC-SC	2	UPDSC-S02	UPSSC-S02
SC-SC	3	UPDSC-S03	UPSSC-S03
SC-SC	5	UPDSC-S05	UPSSC-S05
SC-SC	10	UPDSC-S10	UPSSC-S10
ST-ST	1	UPDST-S01	UPSST-S01
ST-ST	2	UPDST-S02	UPSST-S02
ST-ST	3	UPDST-S03	UPSST-S03
ST-ST	5	UPDST-S05	UPSST-S05
ST-ST	10	UPDST-S10	UPSST-S10
LC-LC	1	UPDLC-S01	UPSLC-S01
LC-LC	2	UPDLC-S02	UPSLC-S02
LC-LC	3	UPDLC-S03	UPSLC-S03
LC-LC	5	UPDLC-S05	UPSLC-S05
LC-LC	10	UPDLC-S10	UPSLC-S10
SC-ST	1	UPDCT-S01	UPSCT-S01
SC-ST	2	UPDCT-S02	UPSCT-S02
SC-ST	3	UPDCT-S03	UPSCT-S03
SC-ST	5	UPDCT-S05	UPSCT-S05
SC-ST	10	UPDCT-S10	UPSCT-S10
SC-LC	1	UPDCL-S01	UPSCL-S01
SC-LC	2	UPDCL-S02	UPSCL-S02
SC-LC	3	UPDCL-S03	UPSCL-S03
SC-LC	5	UPDCL-S05	UPSCL-S05
SC-LC	10	UPDCL-S10	UPSCL-S10

APC SINGLE-MODE PATCH CORDS (OS1)		
DESCRIPTION	LENGTH (METERS)	SIMPLEX
SC-SC	1	APSSC-S01
SC-SC	2	APSSC-S02
SC-SC	3	APSSC-S03
SC-SC	5	APSSC-S05
SC-SC	10	APSSC-S10

SEE PAGE B53 FOR CONFIGURATOR.

Contact inside sales at 800.722.2082 for other configurations.

A   B   C   D
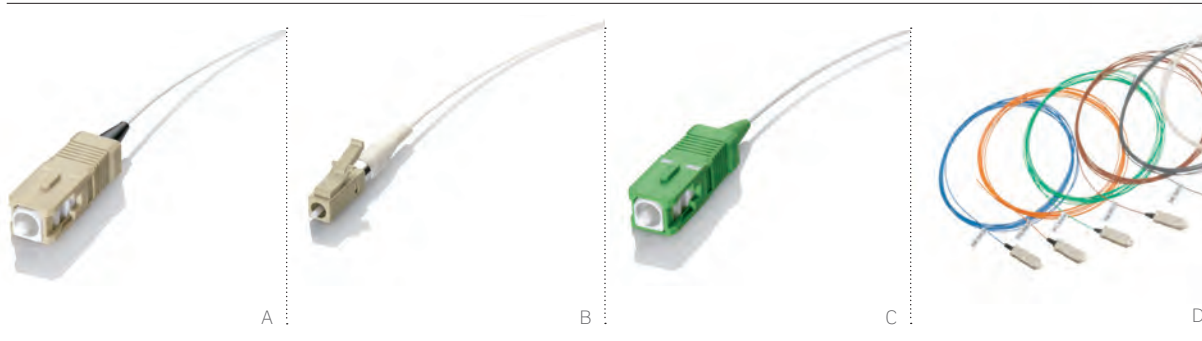
FIBER

cable assemblies

PIGTAIL FIBER OPTIC CABLE ASSEMBLIES

- Available in SC, ST, or LC connector styles
- Standard multimode, laser optimized multimode, or single-mode fiber types
- Standard 900 µm buffered fiber cable in 3 meter length, color white
- Application use: fusion or mechanical splicing
- 12-fiber color-coded pigtail kit, colors per TIA-598-A
- Low-Smoke Zero-Halogen (LSZH) OS2 available by special order

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MULTIMODE PIGTAIL (3 METERS)	
DESCRIPTION	SIMPLEX
[A] SC 62.5/125 µm (OM1)	62PSC-M03
ST 62.5/125 µm (OM1)	62PST-M03
[B] LC 62.5/125 µm (OM1)	62PLC-M03
SC 50/125 µm (OM2)	50PSC-M03
ST 50/125 µm (OM2)	50PST-M03
LC 50/125 µm (OM2)	50PLC-M03
SC 50/125 µm (OM3)	5LPSC-M03
LC 50/125 µm (OM3)	5LPLC-M03

SINGLE-MODE PIGTAIL (3 METERS, OS1)	
DESCRIPTION	SIMPLEX
[C] SC UPC polish	UPPSC-S03
ST UPC polish	UPPST-S03
LC UPC polish	UPPLC-S03
SC APC polish	APPSC-S03
LC APC polish	APPLC-S03

SEE PAGE B53 FOR CONFIGURATOR.

12-FIBER PIGTAIL KITS	
DESCRIPTION	PART NO.
[D] 12-fiber Individual Color-Coded 62.5/125 µm SC MM Pigtail Kit, 3 meter length	62PSC-KIT
12-fiber Individual Color-Coded 50/125 µm SC MM Pigtail Kit, 3 meter length	50PSC-KIT
12-fiber Individual Color-Coded 50/125 µm SC LOMM (10G-300m) Pigtail Kit, 3 meter length	5LPSC-KIT
12-fiber Individual Color-Coded SC SM Pigtail Kit, 3 meter length	UPPSC-KIT
12-fiber Individual Color-Coded 62.5/125 µm LC MM Pigtail Kit, 3 meter length	62PLC-KIT
12-fiber Individual Color-Coded 50/125 µm LC MM Pigtail Kit, 3 meter length	50PLC-KIT
12-fiber Individual Color-Coded 50/125 µm LC LOMM (10G-300m) Pigtail Kit, 3 meter length	5LPLC-KIT
12-fiber Individual Color-Coded LC SM Pigtail Kit, 3 meter length	UPPLC-KIT
12-fiber Individual Color-Coded 62.5/125 µm ST MM Pigtail Kit, 3 meter length	62PST-KIT
12-fiber Individual Color-Coded 50/125 µm ST MM Pigtail Kit, 3 meter length	50PST-KIT

Contact inside sales at 800.722.2082 for 6 fiber pigtail kits, other configurations, or custom lengths.

SECURE KEYED LC PATCH CORDS & PIGTAILS

- Unibody design prevent unauthorized and inadvertent moves, adds, and changes (MACs)
- Duplex LC connectors can only be removed with matching color extraction tool
- Choose from eight colors to segregate and secure networks
- Duplex LC connector plugs into any industry compliant LC adapter or interface
- All connectors are heat cured and use ceramic ferrules for optimal performance
- Polarity options of A to B or A to A
- Made in the United States

New

Secure Keyed LC to Secure Keyed LC, 50/125 µm LOMM

SPOTLIGHT | Secure Keyed LC

Leviton's **Secure Keyed LC Fiber System** prevents unauthorized and inadvertent changes in highly sensitive government applications such as data centers, telecommunications rooms, workstation areas, and secure IT networks, creating an ideal "lock-in" system. Once connected to a port, the locking design — built into the body of each duplex LC connector — prevents removal by hand, and the connector can only be removed with a matching color extraction tool. Eight keyed connector colors are available to segregate networks. The system is made up of trunks, harnesses, patch cords, pigtails, connectors, port protection plugs, extraction tools, and QuickPort® fiber adapters. All Secure Keyed LC assemblies and connectors work with any industry compliant LC duplex or quad adapter.

PART NUMBER CONFIGURATOR – SECURE KEYED LC FIBER PATCH CORDS & PIGTAILS

Example: **3RDKK-M03**; Fiber Patch cord, OM3 duplex riser-rated, keyed duplex unibody LC (red) to keyed duplex LC, 3-meter length, polarity is A to B.

FOR ASSISTANCE CONFIGURING YOUR PATCH CORDS OR FOR CONFIGURATIONS NOT SHOWN, PLEASE CALL 800.722.2082.

X X X K X - XXX

FIBER

cable assemblies

FIBER TYPE
1 = OM1
2 = OM2
3 = OM3
4 = OM4
U = OS2

KEYED COLOR
W = White
Y = Yellow
O = Orange
R = Red
L = Blue
V = Green
G = Slate
E = Black

CABLE TYPE/POLARITY
D = Duplex Riser-Rated A to B Polarity
Y = Duplex Plenum-Rated A to B Polarity
E = Duplex Riser-Rated A to A Polarity
Z = Duplex Plenum-Rated A to A Polarity
P = Pigtail Riser-Rated

FIRST END TERMINATION
K = Keyed Duplex LC (unibody)

SECOND END TERMINATION
K = Keyed Duplex LC (unibody)
L = Std LC (duplex clips)
C = SC (duplex clips)
U = MU
M = MT-RJ
T = ST
F = FC
N = None

CABLE LENGTH
For feet, enter length as three characters Example: 8 ft = 008
For meters enter M then the length as two characters Example: 4 m = M04

For Secure Keyed LC connectors, accessories, and colors, see page B62.

CONNECTORS & HOUSINGS

Leviton has everything you need to properly terminate your fiber network. FastCAM®, Fast-Cure®, and Thread-Lock® connectors are available in LC, SC, and ST styles. New Secure Keyed LC Field-Installable Connectors lock into any industry compliant adapters and prevent unauthorized moves, adds, and changes (MACs). To extend fiber to the workstation, we also offer QuickPort® footprint fiber adapters that fit into our standard wallplates and Multimedia Outlet System (MOS) housings. See the Copper Work Area section for copper workstation connectivity products, including connectors and an extensive wallplate selection.

A-D

E-G

H-K

FASTCAM CONNECTORS

- Pre-polished, field-installable connectors
- Designed for data center and other applications that require fast network deployment
- Use precision zirconia ferrules
- Require no polishing or epoxy curing; provide immediate termination
- Precision mechanical termination uses molded v-groove technology to retain and align the fiber
- Terminated on 250 µm or 900 µm buffered fiber and/or 2 or 3 mm jacketed fiber
- Available in multimode, laser optimized multimode, and single-mode connector styles
- Higher yields with Visual Fault Locator (VFL) compatible LC, SC, and ST connectors

FastCAM
Components

FASTCAM CONNECTORS – 1 PER BAG

DESCRIPTION	PART NO.
[A] FastCAM SC Single-Mode Connector, blue	49991-SSC
[B] FastCAM SC 50/125 µm Laser Optimized Multimode Connector, aqua	49991-LSC
[C] FastCAM SC 62.5/125 µm Multimode Connector, beige	49991-MSC
[D] FastCAM SC 50/125 µm Multimode Connector, black	49991-5SC
[E] FastCAM ST 50/125 µm Multimode Connector, black	49991-5ST
[F] FastCAM ST Single-Mode Connector, blue	49991-SST
[G] FastCAM ST 62.5/125 µm Multimode Connector, beige	49991-MST
[H] FastCAM LC Single-Mode Connector, blue	49991-SLC
[I] FastCAM LC 50/125 µm Laser Optimized Multimode Connector, aqua	49991-LLC
[J] FastCAM LC 62.5/125 µm Multimode Connector, beige	49991-MLC
[K] FastCAM LC 50/125 µm Multimode Connector, black	49991-5LC

See pages B67-B72 for FastCAM tools and consumables.

SPOTLIGHT Visual Fault Locator (VFL)

Quickly diagnose and repair optical fiber damage with Leviton's new Visual Fault Locator (VFL). The pocket-sized tool uses a bright red laser to locate faults including tight bends, breaks, and defective connectors. Included with each VFL are a 2.5 mm ferrule interface, 1.25 mm adapter, and soft carrying case. Use with LC, SC and ST FastCAM connectors.

A   B   E-G

C   D
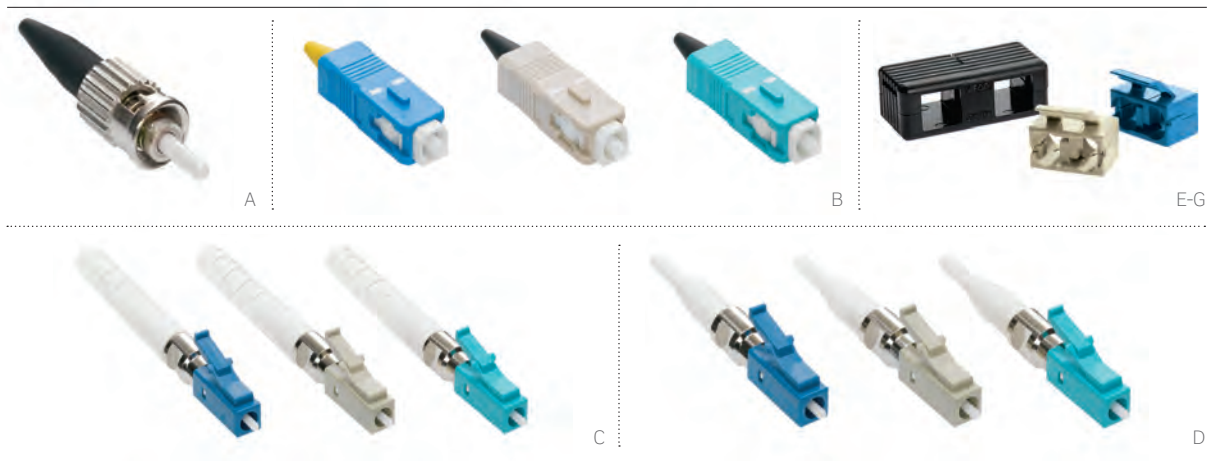
FAST-CURE CONNECTORS

- Anaerobic adhesive-style, field-installable connectors
- Hand polishing required
- Most robust connection, ideal for outside plant applications
- Available in ST, SC, and LC connector styles
- Available in LOMM, multimode, and single-mode versions
- 900 µm and 3 mm boots included with SC and ST connectors

Fast-Cure
Components

FAST-CURE ADHESIVE CONNECTORS			
DESCRIPTION	OS2	OM1 & OM2 MULTIMODE	OM3 & OM4 LO MULTIMODE
[A] ST Fast-Cure Connector	49990-SST	49990-MST	
[B] SC Fast-Cure Connector	49990-SSC (blue)	49990-MSC (beige)	49990-LSC (aqua)
[C] LC Fast-Cure Connector with 3 mm boot	49990-SL2 (blue)	49990-ML2 (beige)	49990-LL2 (aqua)
[D] LC Fast-Cure Connector with .9 mm boot	49990-SDL (blue)	49990-MDL (beige)	49990-LDL (aqua)
FAST-CURE ACCESSORIES			
DESCRIPTION	OS2	OM1, OM2, OM3, & OM4	
[E] SC Duplex Clip for Fast-Cure Connector, black (bag of 25)		49886-DSC	
[F] LC Duplex Clip for Fast-Cure Connector, beige (bag of 25)		49886-DLM	
[G] LC Duplex Clip for Fast-Cure Connector, blue (bag of 25)	49886-DLS		

SPOTLIGHT Ceramic vs. Polymer Ferrules

Fiber optic ferrules, which assure accurate alignment of fiber-to-fiber core interfaces, can be constructed of zirconia ceramic or polymer composites. While the two materials offer comparable performance in several areas, ceramic ferrules are superior in the key attributes of reliability (withstanding day-to-day environmental stressors) and durability (withstanding repeated matings/MACs). Leviton builds its connectors using only ceramic ferrules, so our customers can be assured of the best fiber connector performance in any application.
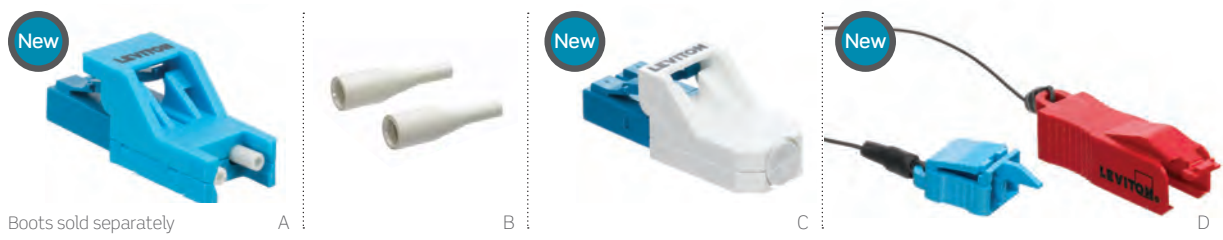
Boots sold separately   A   B   C   D

Leviton's Secure Keyed LC Fiber System prevents unauthorized and inadvertent changes in highly sensitive applications such as government and military networks, data centers and colocation equipment rooms, and financial, academic, and health care market sectors, creating an ideal "lock-in" system. Once connected to a port, the locking design — built into the body of each duplex LC connector — prevents removal by hand, and the connector can only be removed with a matching color extraction tool.
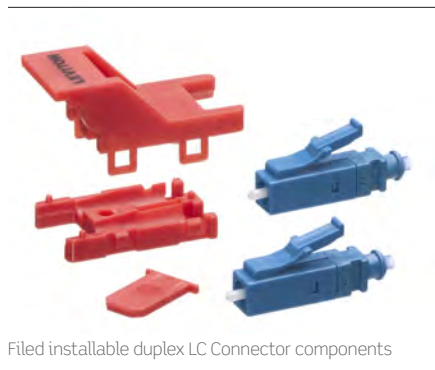
Filed installable duplex LC Connector components

SECURE KEYED LC CONNECTORS & SYSTEM ACCESSORIES

- Field installable duplex LC connectors lock into any industry compliant LC adapter or interface
- Anaerobic adhesive-style, requires hand polishing
- Connectors can only be removed with matching color extraction tool
- Extraction tools allow for easy connector removal from adapter plates and wallplates
- 900 µm boots identify fiber type
- Port protection plugs enable unused LC ports to be locked
- Dust caps protect connectors upon removal from a port, promoting good fiber discipline

> Secure Keyed LC system also includes trunk cables (B48), harnesses (B51), patch cords & pigtails (B57)

SECURE KEYED LC FIELD-INSTALLABLE CONNECTORS	
DESCRIPTION	PART NO.
[A] Secure Keyed LC Field-Installable Connector, 900 µm, MM/SM	4999K-xLC
[B] 900 µm Boots (bag of 50)	4999K-ttt
SECURE KEYED LC ACCESSORIES	
DESCRIPTION	PART NO.
[C] Port Protection Plug w/ Dust Cap	PPRTN-xLG
[D] Extraction Tool w/ Dust Cap	ETRTN-xTL
Dust Caps (bag of 10)	DUSTK-CAP

x = colors: Choose from any of the colors below.

White (W)   Yellow (Y)   Orange (O)   Red (R)   Blue (L)   Green (V)   Slate (G)   Black (E)
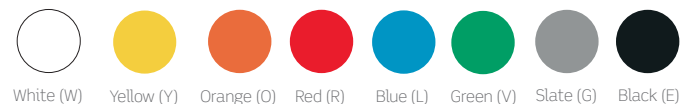
ttt = Beige (BGE), Black (BLK), Aqua (AQU), Blue (BLU)

A   B   C   D

FIBER

connectors
& housings
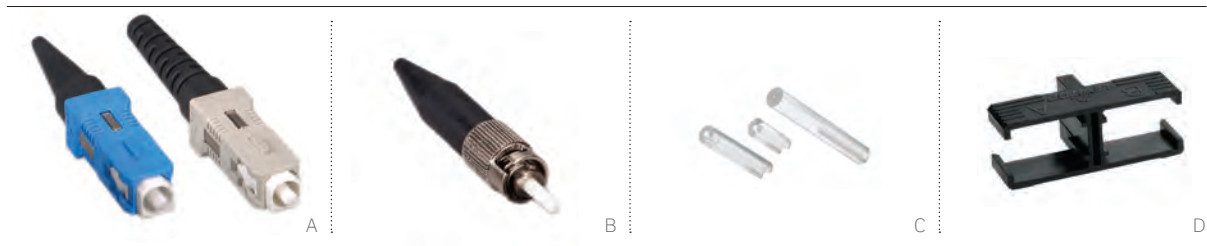
THREAD-LOCK CONNECTORS

- Mechanical-style field-installable connectors
- Hand polishing required
- For inside plant applications
- Connectors are reusable

Thread-Lock
Components

THREAD-LOCK CONNECTORS		
DESCRIPTION	SINGLE-MODE	MULTIMODE
[A] SC Thread-Lock Connector	49884-SSC (blue)	49884-MSC (beige)
[B] ST Thread-Lock Connector	49882-SST	49882-MST
THREAD-LOCK ACCESSORIES		
DESCRIPTION		PART NO.
[C] Silicon Build-Up Sleeve Kit, includes one of each type of sleeve (bag of 10)		49885-SBS
[D] SC Duplex Clip for Thread-Lock Connector, black (bag of 25)		49884-DPC
Retention Nylon Sleeve (bag of 10)		49885-SLV

QUICKPORT FIBER ADAPTERS

- Snap into all QuickPort openings and Multimedia Outlet System (MOS) housings
- Tool-free plug and play installation
- Offered with precision phosphor bronze or zirconia ceramic alignment sleeve

A   B   C-E
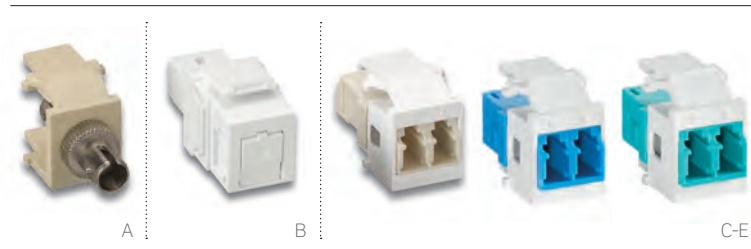
QUICKPORT FIBER ADAPTERS	
DESCRIPTION	PART NO.
[A] QuickPort ST Fiber Optic Adapter, MM, phosphor bronze sleeve	41084-S*F
QuickPort ST Fiber Optic Adapter, SM/MM, zirconia ceramic sleeve	41084-S*Z
[B] QuickPort Simplex SC Adapter, MM, phosphor bronze sleeve, female front/back	41085-M*C
QuickPort Simplex SC Adapter, SM/MM (10G LOMM), zirconia ceramic, female front/back	41085-S*C
[C] QuickPort Duplex LC Adapter, MM, phosphor bronze sleeve, beige	41085-ML*
[D] QuickPort Duplex LC Adapter, SM, zirconia ceramic sleeve, blue	41085-SL*
[E] QuickPort Duplex LC Adapter, 10G LOMM, zirconia ceramic sleeve, aqua	41085-LL*
QuickPort MTP Adapter, SM/MM	41085-TP*

* = Colors: Choose from any of the colors below.

ML (C) and SL (D) part numbers also available in:
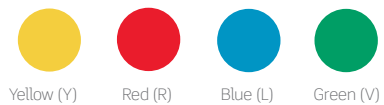
White (W)   Ivory (I)   Slate (G)   Black (E)

Yellow (Y)   Red (R)   Blue (L)   Green (V)

LEVITON

A

B

C

FIBER

connectors & housings

QUICKPORT WALLPLATES

- Compatible with all QuickPort connectors and adapters
- UL Listed, fire-retardant material rated UL 94V-O
- Manufactured from high-quality ABS plastic which provides superior resistance to impacts, chemicals, and solvents as compared to other plastics
- Midsize plates, made of smooth-finish nylon, hide irregular drywall cuts and flaws

[A] QUICKPORT ANGLED SINGLE-GANG WALLPLATES						
DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK	BROWN
4-Port Wallplate	41081-4WP	41081-4TP	41081-4IP			
2-Port Wallplate	41081-2WP	41081-2TP	41081-2IP			
4-Port Wallplate w/ ID window	42081-4WS	42081-4TS	42081-4IS			
2-Port Wallplate w/ ID window	42081-2WS	42081-2TS	42081-2IS			

[B] QUICKPORT MIDSIZE SINGLE-GANG WALLPLATES						
DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK	BROWN
6-Port Wallplate	41091-6WN	41091-6TN	41091-6IN			41091-6BN
4-Port Wallplate	41091-4WN	41091-4TN	41091-4IN			41091-4BN
3-Port Wallplate	41091-3WN	41091-3TN	41091-3IN			41091-3BN
2-Port Wallplate	41091-2WN	41091-2TN	41091-2IN			41091-2BN
1-Port Wallplate	41091-1WN	41091-1TN	41091-1IN			41091-1BN

[C] QUICKPORT DUAL-GANG WALLPLATES WITH ID WINDOWS						
DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK	BROWN
12-Port Wallplate	42080-12W	42080-12T	42080-12I	42080-12G	42080-12E	
8-Port Wallplate	42080-8WP	42080-8TP	42080-8IP	42080-8GP	42080-8EP	
6-Port Wallplate	42080-6WP	42080-6TP	42080-6IP	42080-6GP	42080-6EP	
4-Port Wallplate	42080-4WP	42080-4TP	42080-4IP	42080-4GP	42080-4EP	
3-Port Wallplate	42080-3WP	42080-3TP	42080-3IP	42080-3GP	42080-3EP	
2-Port Wallplate†	42080-2WP	42080-2TP	42080-2IP	42080-2GP	42080-2EP	
1-Port Wallplate†	42080-1WP	42080-1TP	42080-1IP	42080-1GP	42080-1EP	

See pages A44-A46 in the Copper section for Leviton's complete selection of QuickPort wallplates.
† = Dual-Gang 1- and 2-Port wallplates only have two ID windows on top.

| White | Light Almond | Ivory | Grey | Black | Brown |

The innovative Multimedia Outlet System (MOS) consists of a surface-mount box and single- and dual-gang wallplates that accept a wide variety of fiber, copper, and A/V connectors. The single-gang wallplate and surface-mount box accepts up to six connectors; dual-gang accepts up to twelve.

FIBER INSERTS FEATURES:

- Modules are available in 0.5, 1, 1.5, 2, and 3 unit high sizes
- Surface-mount box accepts only 1 unit high modules
- Plates accept 3 units high total
- Available in standard QuickPort® footprint as well as more specialized modules
- Snap-in installation into wallplates and surface mount boxes
- Front-load installation simplifies moves, adds, and changes (MACs)
- Angled geometry protects cabling

See pages A41-A42 for copper and A/V MOS products.

A B C D E

MOS SURFACE-MOUNT BOX AND WALLPLATE HOUSINGS					
DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK
[A] Single-Gang Wallplate	41290-SMW	41290-SMT	41290-SMI	41290-SMG	41290-SME
[B] Dual-Gang Wallplate	41290-DMW	41290-DMT	41290-DMI	41290-DMG	41290-DME
[C] Surface-Mount Box	41296-MMW	41296-MMT	41296-MMI	41296-MMG	41296-MME
[D] Fiber Storage/Spacer Ring	41290-DRW		41290-DRI	41290-DRG	41290-DRE
[E] Decora® Insert, holds one 1-unit high MOS module	41649-00W		41649-00I		

See color swatches on page B66.

A   B   C   D   E   F   G   H

FIBER

connectors
& housings
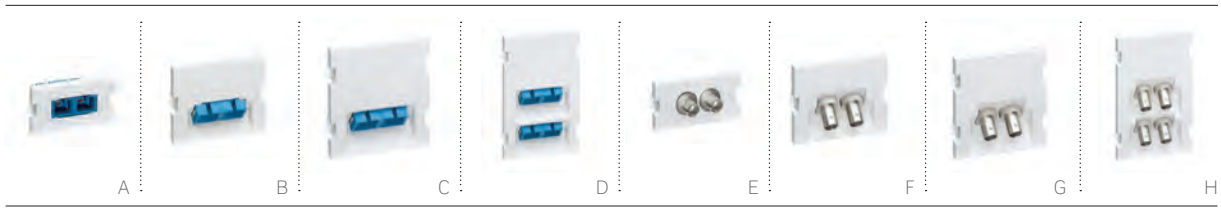
MOS FIBER INSERTS

	DESCRIPTION	WHITE	IVORY	GREY	BLACK
[A]	1 Duplex SC, zirconia ceramic, SM blue, (1 unit high)	41291-2CW	41291-2CI	41291-2CG	41291-2CE
[B]	1 Duplex SC, zirconia ceramic, SM blue, 45° exit (1.5 units high)	41294-2CW	41294-2CI	41294-2CG	41294-2CE
[C]	1 Duplex SC, zirconia ceramic, SM blue, 45° exit (2 units high)	41292-2CW	41292-2CI	41292-2CG	41292-2CE
[D]	2 Duplex SC, zirconia ceramic, SM blue, 45° exit (3 units high)	41293-4CW	41293-4CI	41293-4CG	41293-4CE
	1 Duplex ST, zirconia ceramic, SM, (1 unit high)	41291-ZTW	41291-ZTI	41291-ZTG	41291-ZTE
[E]	1 Duplex ST, phosphor bronze, MM, (1 unit high)	41291-2TW	41291-2TI	41291-2TG	41291-2TE
	1 Duplex ST, zirconia ceramic, SM, 45° exit (1.5 units high)	41294-ZTW	41294-ZTI	41294-ZTG	41294-ZTE
[F]	1 Duplex ST, phosphor bronze, MM, 45° exit (1.5 units high)	41294-2TW	41294-2TI	41294-2TG	41294-2TE
	1 Duplex ST, zirconia ceramic, SM, 45° exit (2 units high)	41292-ZTW	41292-ZTI	41292-ZTG	41292-ZTE
[G]	1 Duplex ST, phosphor bronze, MM, 45° exit (2 units high)	41292-2TW	41292-2TI	41292-2TG	41292-2TE
	1 Duplex ST, zirconia ceramic, SM, 45° exit (3 units high)	41293-ZTW	41293-ZTI	41293-ZTG	41293-ZTE
[H]	2 Duplex ST, phosphor bronze, MM, 45° exit (3 units high)	41293-4TW	41293-4TI	41293-4TG	41293-4TE

For multimode SC adapters in beige, black or aqua housing, please contact Inside Sales at 800.722.2082.

I   J   K   L   M   N   O

MOS QUICKPORT® ADAPTERS & BLANK MODULES

	DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK
[I]	1-Port QuickPort Module (1 unit high)	41291-1MW	41291-1MT	41291-1MI	41291-1MG	41291-1ME
[J]	2-Port QuickPort Module (1 unit high)	41291-2QW	41291-2QT	41291-2QI	41291-2QG	41291-2QE
[K]	2-Port 45° Exit Angled QuickPort Module (1.5 units high)	41294-2QW	41294-2QT	41294-2QI	41294-2QG	41294-2QE
[L]	Blank Module (0.5 units high)	41295-5BW	41295-5BT	41295-5BI	41295-5BG	41295-5BE
[M]	Blank Module (1 unit high)	41291-1BW	41291-1BT	41291-1BI	41291-1BG	41291-1BE
[N]	Blank Module (1.5 units high)	41294-2BW	41294-1BT	41294-2BI	41294-2BG	41294-2BE
[O]	Blank Module (2 units high)	41292-2BW	41292-2BT	41292-2BI	41292-2BG	41292-2BE

○ White   ○ Light Almond   ○ Ivory   ● Grey   ● Black
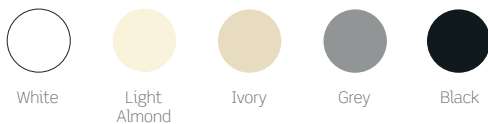
For LC adapters, use QuickPort modules
above and LC adapters on page B63.

TOOLS & CONSUMABLES

FEATURED PRODUCTS

New Connector Cleaning Tools **B71**

Visual Fault Locator (VFL) **B71**

LYNX Cleaver **B71**

Different termination types require unique tools. Leviton has everything you need to terminate Fast-Cure® (adhesive polish), Thread-Lock® (compression polish), and FastCAM® (pre-polished) connectors. We also offer cleaning tools for LC, SC, and MTP® connectors. Choose from complete kits, or mix and match individual tools, and a wide variety of consumables.

VISUAL FAULT LOCATOR (VFL)

Quickly diagnose and repair optical fiber damage with Leviton's new Visual Fault Locator (VFL). The pocket-sized tool uses a bright red laser to locate faults, including tight bends, breaks, and defective connectors. Included with each VFL are a 2.5 mm ferrule interface, 1.25 mm adapter, and soft carrying case. Use with FastCAM® LC and SC connectors for enhanced terminations. See page B71 for part numbers.
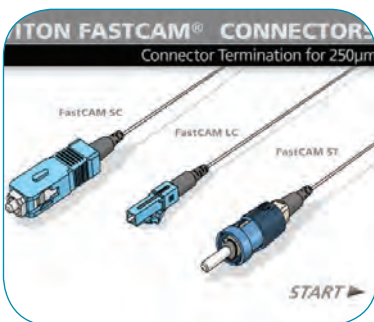
FIBER

tools & consumables

LEVITON 200X INSPECTION SCOPES

Reduce the chances of over-polishing with Leviton's high-powered inspection scopes. View single-mode and multimode end face polishes safely with our oblique viewing technology; full laser eye protection is provided through wavelengths of 850 – 1550 nanometers (nm). Rugged metal and rubber construction stands up to jobsite abuse while offering an ergonomic grip. See page B71.

FASTCAM® TERMINATION TOOLS

FastCAM terminations and fusion splicing both require precision cleaving. Get the accuracy you need with the LYNX Cleaver. A cleave angle of 90° +/- .5° is guaranteed; the 16-position blade remains sharp through approximately 48,000 cleaves. Clean-up is eliminated with the built-in waste holder. For a self-contained workspace, mount the LYNX to the optional work tray and use the gooseneck LED for task lighting. See page B71.

ONLINE TRAINING VIDEOS & ANIMATIONS

Increase your expertise with Leviton's online fiber training. Animated, step-by-step instructions on terminating FastCAM 250 µm or 900 µm fiber, using our fan-out kits, or terminating Fast-Cure® or Thread-Lock® connectors, are all available with just a click of the mouse. All of Leviton's training animations feature clear, easy-to-understand graphics paired with on-screen written instructions for maximum effectiveness. Visit www.leviton.com/support.

A

B

C

D

FIBER OPTIC LIGHT TOOL KIT

- Essential tool set for quick field-termination of Thread-Lock® and Fast-Cure® connectors
- Terminates both multimode and single-mode fiber

FIBER OPTIC THREAD-LOCK TOOL KIT

- A comprehensive tool set for terminating any SC or ST Thread-Lock connectors
- Terminates both multimode and single-mode fiber

FIBER OPTIC FAST-CURE TOOL KIT

- All the tools you need for terminating multimode or single-mode SC, ST, or LC Fast-Cure adhesive connectors
- Adhesive/accelerator kit sold separately, see page B72

FIBER OPTIC FASTCAM® TOOL KIT

- Precision cleaving for guaranteed FastCAM connector performance
- Terminates both multimode and single-mode fiber

Consumables sold separately, see page B72.

FIBER OPTIC TOOL KITS CONTENTS

	LIGHT TOOL KIT 49800-MTK	THREAD-LOCK® TOOL KIT 49800-UTP	FAST-CURE® TOOL KIT 49800-FTK	FASTCAM® TOOL KIT 49800-MSK
Standard Tool Kit Carrying Case	•	•		
250 µm Buffer Remover		•	•	
900 µm Buffer Remover	•	•	•	
Jacket Stripper	•	•	•	•
Aramid Strand Scissors	•	•	•	
Safety Glasses		•	•	
Sapphire Scribe	•	•	•	
2.5 mm Polishing Puck	•	•	•	
3" x 6" Polishing Pad	•	•	•	
ST/SC Combination Tightening Tool	•	•		
Versa-Cleave® Tool		•		
LYNX Cleaver				•
200x Inspection Scope		•	•	
Piano Wire		•	•	
Lint-Free Dry Wipes			•	•
Alcohol Pads			•	•
12 µm Aluminum Oxide Lapping Film			•	
3 µm Aluminum Oxide Lapping Film			•	
0.3 µm Aluminum Oxide Lapping Film			•	
Crimp Tool			•	
LC Scope Adapter			•	
LC Polishing Puck			•	

FIBER tools & consumables

FIBER OPTIC TOOL KITS

DESCRIPTION	PART NO.
[A] Light Tool Kit	49800-MTK
[B] Thread-Lock Tool Kit	49800-UTP
[C] Fast-Cure Tool Kit	49800-FTK
FastCAM Tool Kit w/ LYNX Cleaver	49800-MSK
[D] FastCAM Tool Kit w/ LYNX Cleaver, work tray, & LED light	49800-LAK
FastCAM Tool Kit w/ CT-30A Cleaver (cleaver shown on page B71)	49800-SMK

Individual consumables available on page B72.

UNIVERSAL TOOLS & ACCESSORIES

	DESCRIPTION	PART NO.
[A]	250 µm Buffer Remover (yellow handle)	49886-BR2
[B]	900 µm Buffer Remover (red handle)	49886-BR9
[C]	Jacket Stripper	49886-STP
[D]	Aramid Strand Scissors	49886-SIS
	Marking Pen	49886-SMP
	Safety Glasses	49886-GLS
	Sapphire Scribe	49886-SCR
	2.5 mm Polishing Puck	49886-PUC
	3" x 6" Polishing Pad	49886-PAD
	Opt-X® Tool Kit Carrying Case	49886-CSE
	Safety Pad	49886-SPD
	200x Inspection Scope	49886-FSP
	LC Scope Adapter (works w/ 200x scope only)	49886-LCS
	Duplex LC Scope Adapter (works w/ 200x scope only)	49886-LCD
	MTP® Scope Adapter (works w/ 200x scope only)	49886-MCS
	Fiber Optic Crimp Tool with .128/.151/.178 hex die	49886-FCT
	1.25 mm (LC) Polishing Puck	49886-LCP
	Tool Kit Carrying Case	49886-FCC
[E]	MTP Module Cleaning Tool	49886-MCT
	MTP Module Cleaning Tool Refill (male)	49886-MCR
[F]	LC Connector Cleaning Tool	49886-LCT
[G]	SC Connector Cleaning Tool	49886-SCT
[H]	MTP Connector Cleaning Tool (female)	49886-UFT
	MTP Connector Cleaning Tool (male)	49886-UMT

THREAD-LOCK® SPECIFIC TOOLS

DESCRIPTION	PART NO.
ST/SC Combination Tightening Tool	49886-CTT
Versa-Cleave® Tool	49886-TVC

FASTCAM® SPECIFIC TOOLS

	DESCRIPTION	PART NO.
[I]	Work Tray	49886-LNT
[J]	Gooseneck LED	49886-LGN
[K]	LYNX Cleaver	49886-LNX
[L]	Fujikura CT-30A Cleaver	49886-CTA
[M]	Visual Fault Locator (VFL) (2.5 and 1.25 mm adapters included)	49886-VFL
	Replacement 1.25 mm Adapter for VFL	49886-FLA

LEVITON

A   B   C   D

UNIVERSAL CONSUMABLES KIT

All the basic supplies needed to clean and polish fiber optic connectors. Set includes:

- 50 lint-free dry wipes
- 50 alcohol pads
- 30 sheets 12 µm lapping film
- 30 sheets 3 µm lapping film
- 30 sheets 0.3 µm lapping film
- Piano wire

ADHESIVE/ACCELERATOR KIT

Set includes:

- Loctite 680 adhesive
- Loctite 7649 accelerator with syringe
- Two needles

FAST-CURE® CONSUMABLES KIT

Everything from the Universal Kit, plus specialized supplies for Fast-Cure terminations. Additional included items:

- 25 syringes
- 25 needles
- Adhesive and accelerator

FAN-OUT CONSUMABLES KIT

Kit terminates a minimum of 10 Fiber Optic Fan-Out Kits. Set includes:

- 20 lint-free dry wipes
- 10 alcohol pads
- 10 D'Gel® packets
- Sealant
- Talc powder

CONSUMABLES KITS	
DESCRIPTION	PART NO.
[A] Universal Consumables Kit	49800-CON
[B] Fast-Cure Consumables Kit	49800-FCC
[C] Adhesive/Accelerator Kit	49800-680
[D] Fan-Out Consumables Kit	49800-FAN
CONSUMABLES	
DESCRIPTION	PART NO.
Piano Wire	49886-WRE
Lint-Free Dry Wipes (100 per pack)	49886-DWP
Alcohol Pads (100 per pack)	49886-APD
12 µm Aluminum Oxide Lapping Film, pink (100 per pack)	49886-12F
3 µm Aluminum Oxide Lapping Film, yellow (100 per pack)	49886-03F
0.3 µm Aluminum Oxide Lapping Film, light blue (100 per pack)	49886-X3F
Replacement Needles (25 per pack)	49886-FCN
Replacement Syringes (25 per pack)	49886-SYR