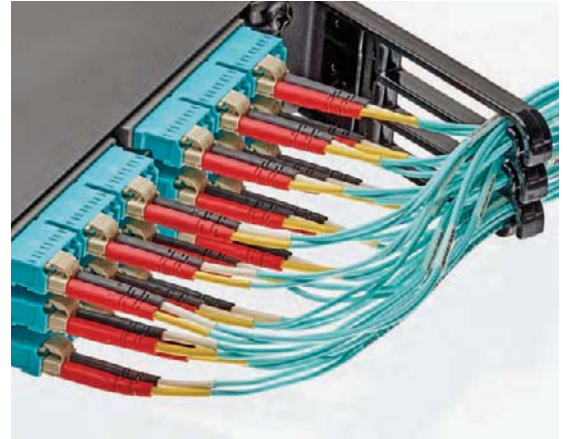
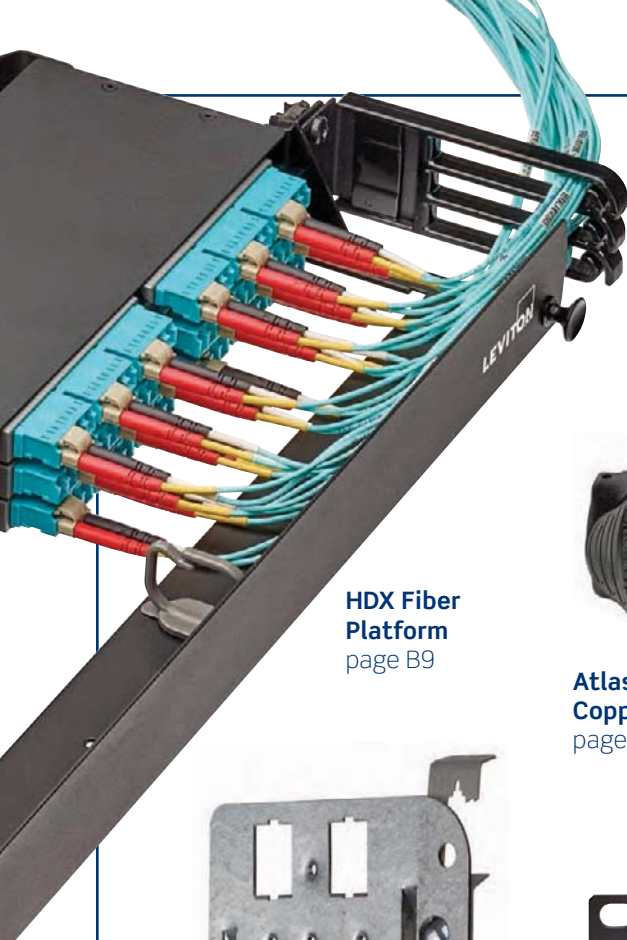


NETWORK SOLUTIONS FOR THE  
**Highest Return**  
ON YOUR  
Infrastructure Investment



2019 Catalog  
Middle East



**HDX Fiber Platform**  
page B9



**Atlas-X1™ Copper Connectors**  
page A8

**Pre-Terminated Copper and Fiber Trunks**  
pages A39, B33



**QuickPort™ In-Ceiling Bracket**  
page D4

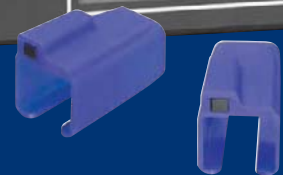


**e2XHD Copper and Fiber Patching**  
pages A20, B23



**Air-Blown Fiber Systems**  
page B57

**SmartPatch™ Infrastructure Management Solutions**  
page F3



Industry-Leading  
**PRODUCTS**

# SOLVE Tomorrow's Challenges TODAY

Thank you for choosing Leviton for your network connectivity and cable. We have been a global leader in network cabling systems for three decades now, and we're excited to introduce innovations in this catalog that will help you prepare for data demand in the years to come.



Atlas-X1™ **Category 8** connectivity for 25/40GBASE-T networks



Expanded **high-density fiber patching** options for data centers



SDX **Wall-Mount Enclosures** with unique features and varying sizes



**Control systems** for IT/AV networks in classrooms and conference rooms

**A** Copper Solutions

**B** Fiber Solutions

**C** AV Solutions

**D** Housings & Wallplates

**E** Cable Management

**F** SmartPatch™

**G** MDU & Hospitality Solutions



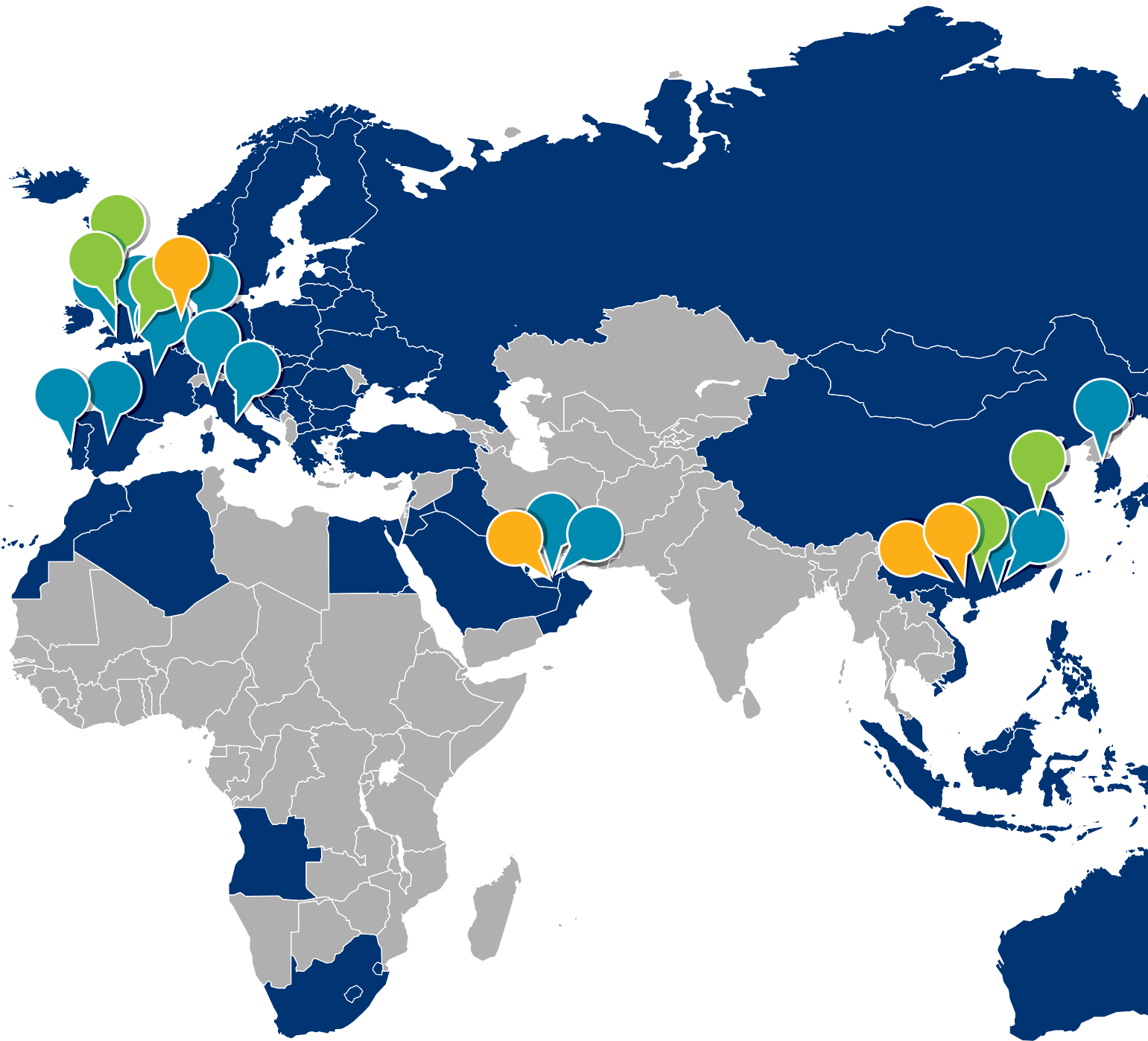


# Connecting Customers **AROUND THE GLOBE**

---

Leviton manufactures products to meet global requirements, and we place those products strategically around the world. With distribution locations on every continent, we're ready to serve customers in every location and every industry. So whether you are in California, Colombia, Denmark, or Dubai, you can expect the same exceptional quality and service.



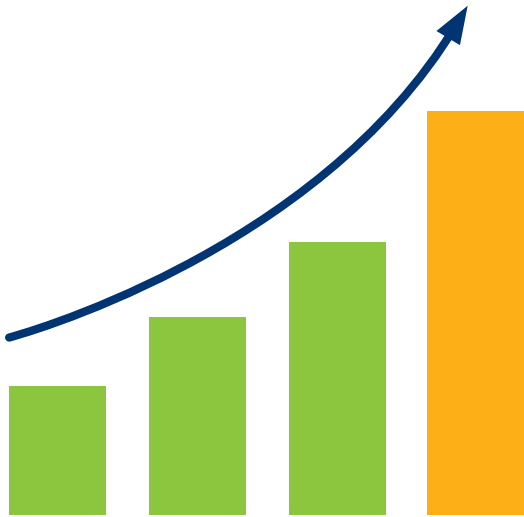


**100+**  
COUNTRIES

**20**  
GLOBAL SALES  
OFFICES

**8**  
WAREHOUSES

**17**  
MANUFACTURING  
FACILITIES



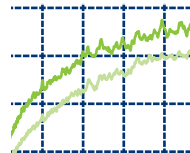
# Outstanding **RETURN ON** Infrastructure **INVESTMENT**

Companies need fast, reliable, and scalable IT networks. Leviton designs and manufactures cables and connectivity that expand network possibilities. Add great global service and technical support, and we help your ambitious strategies become a reality.



## A CULTURE OF INGENUITY AND INNOVATION

We're continuously inventing the solutions that drive next-generation networks. These pioneering solutions include the first independently-verified Cat 8 system, the first 24-fiber MTP™ cabling system, and the first UTP jack with a solid metal body for greater performance.



## QUALITY AND PERFORMANCE IN EVERY SOLUTION

We put our products through rigorous testing for high-performance margins in the field. Plus, our systems are tested and certified by third-party labs, with reports posted on our website.



## SAFETY AND SECURITY COME FIRST

Safety is a top priority at Leviton. We create technologies that meet important safety codes and standards, add physical security options, and give customers greater peace of mind.

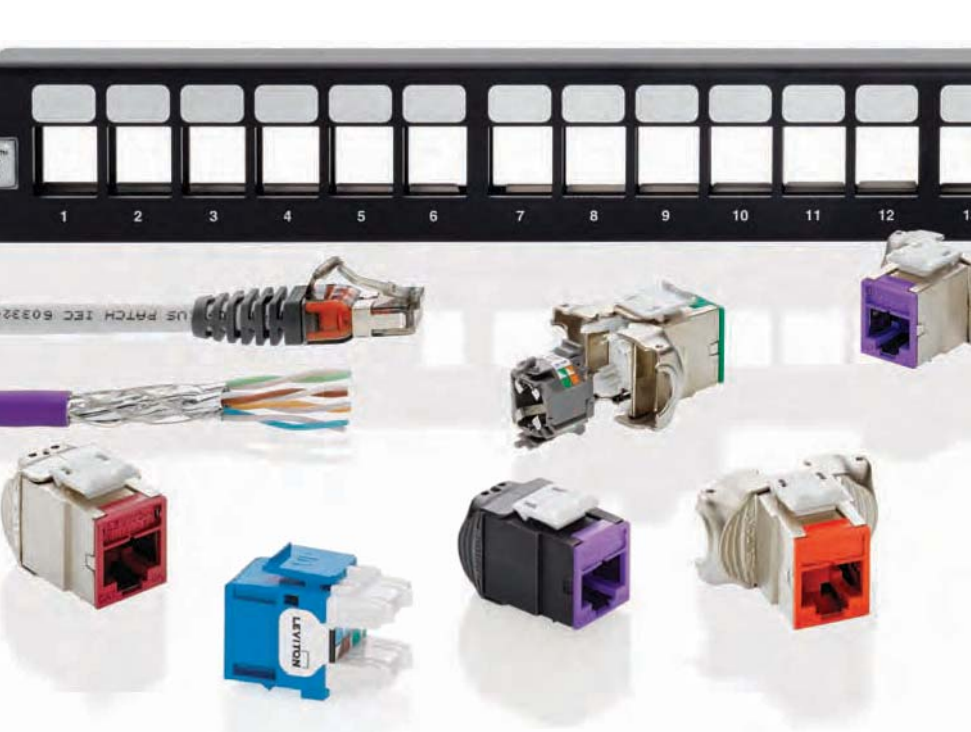


## COMMITTED TO CUSTOMERS THROUGH UNPARALLELED SERVICE

Every Leviton installation is backed by responsive customer support. This includes a variety of technical teams, including specification engineers, data center designers, and more.

# — Premier — **END-TO-END SOLUTIONS**

Whether it's for a server room, conference room, operating room, or classroom, Leviton has complete end-to-end cabling systems for your specific network application. With robust connectivity built in ISO-certified facilities, the widest selection of patch panels on the market, and cable assemblies for every type of network, our infrastructure systems give customers access to a broad set of solutions.



ADVANCED DATA CENTER  
SOLUTIONS

BEST-IN-CLASS CATEGORY-RATED  
COPPER SYSTEMS

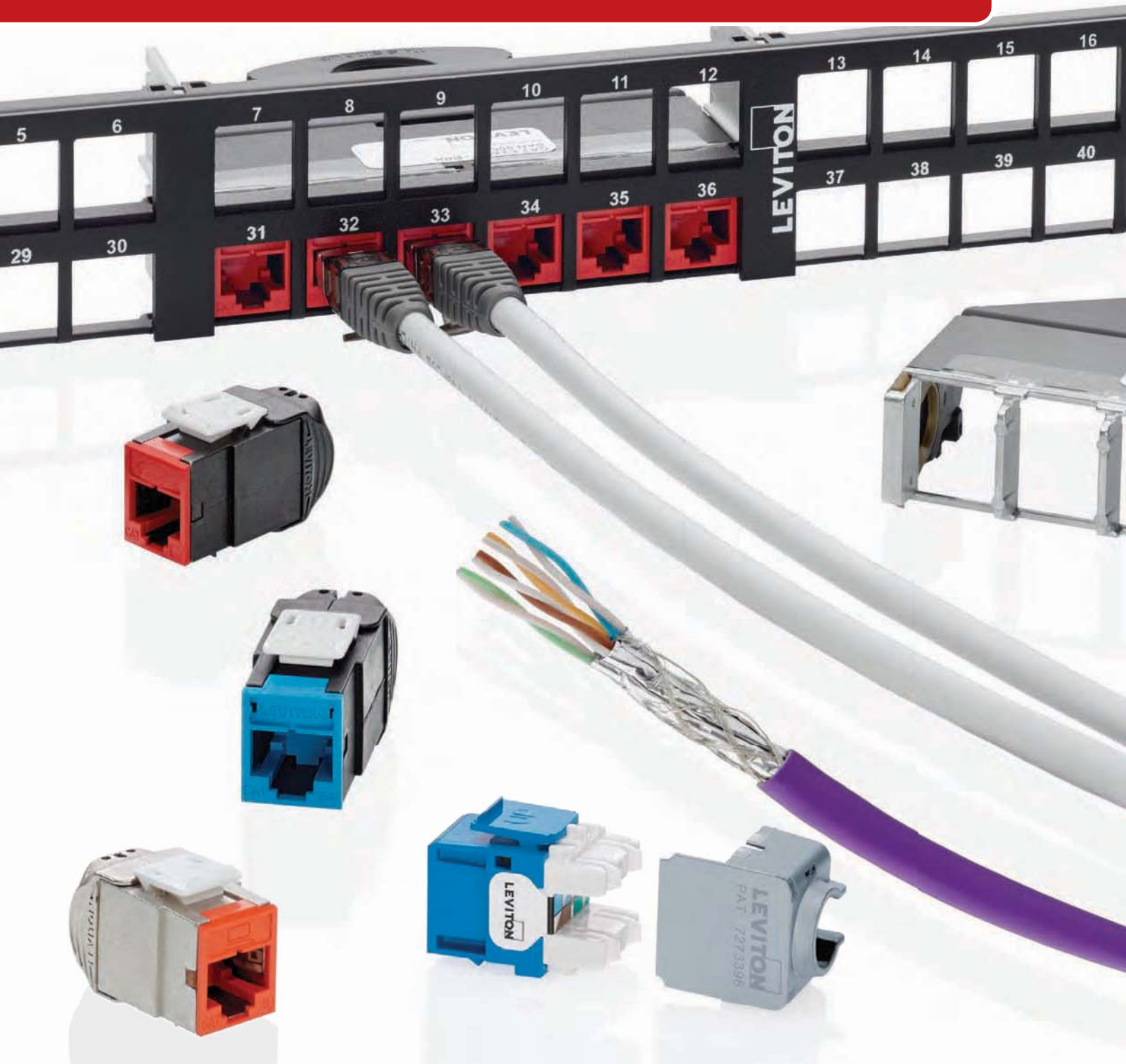
HIGH-PERFORMANCE  
OPTICAL FIBER SYSTEMS

AUDIOVISUAL AND WORK  
AREA CONNECTIVITY

INFRASTRUCTURE MANAGEMENT  
SOLUTIONS



# COPPER SOLUTIONS



## SECTION A CONTENTS

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                          **A5** System Selection Chart

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**COPPER TOOLS & LABELING**    **A49** Introduction  
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# COPPER SYSTEMS

Our copper systems combine category-rated performance with high-density, user-friendly designs to deliver the industry's most innovative family of solutions. Whether you are supporting a large enterprise, data center, or a small business infrastructure, we have the system to fit your needs. Refer to the system features below and on the following pages for an overview of our three copper system brands: Atlas-X1, eXtreme, and Plus.

## SYSTEM FEATURES

- Category 8 solutions
- Plenum-rated for use in air handling spaces
- High-performance wireless and AV support
- Advanced features (icons, shutters) for clear network ID and protection
- Unified form factor (Cat 5e to Cat 8) and termination style for easy migration
- Category designation on connector face
- 13 color options
- Retention Force Technology™ in connectors protects tines and increases longevity
- Connector tine geometry minimizes arcing/pitting damage in PoE applications
- Up to 100-Watt PoE support
- Third-party channel tested and verified
- Performance exceeds the standard
- Component-rated products available
- Shielded options for EMI/RFI protection
- High-density shielded shorter depth jack for better bend radius





## Atlas-X1

Mission Critical

Premier category-rated system that delivers the highest level of verified performance and reliability. Supports high-performance wireless, high-definition AV, and high-power PoE applications.



## eXtreme

Enterprise

Pairs high quality and performance with a user-friendly design to support fast, easy installations.



## Plus

Enterprise, Light Commercial

Proven performance and simple installation features allow for streamlined deployment.



# COPPER SYSTEMS

Our copper systems are designed to give customers the right level of performance and value to fit their needs. These systems have been tested and verified to meet or exceed industry-standard performance.

COPPER  
Copper Systems

SHIELDED				
	CAT 8	CAT 6A	CAT 6	CAT 5E
<b>ATLAS-X1™ - MISSION CRITICAL</b>				
Jacks	81SJK-R*8	6ASJK-x*6	61SJK-x*6	
Patch Cords	81Z10-Sxx	AC6PCGxxx-*88HB	C6PCSxxx-*88HB	GPCPCFxxx-***H
Recommended Patch Panels	E2X1F-S48, E2X1A-S48, E2XHD-BRK 4S255-xxx, 4S256-xxx			
<b>EXTREME™ UTP - ENTERPRISE</b>				
Jacks				
Patch Cords				
Recommended Patch Panels				
<b>PLUS - ENTERPRISE, LIGHT COMMERCIAL</b>				
Jacks		AC6JAKS000DC	C6JAKS000DC	GPCJAKF012
Patch Cords		AC6PCGxxx-*88HB	C6PCSxxx-*88HB	GPCPCFxxx-***H
Modular Patch Panels		Any modular panel		MMCPNLX24SIJ* MMCPNLX48SIJ*
Category Patch Panels		AC6PNLF240K2M AC6PNLF240K2H	C6PNLF240K*M C6PNLF240K*H	GPCPNLF24012M GPCPNLF240K2M

\* = Color

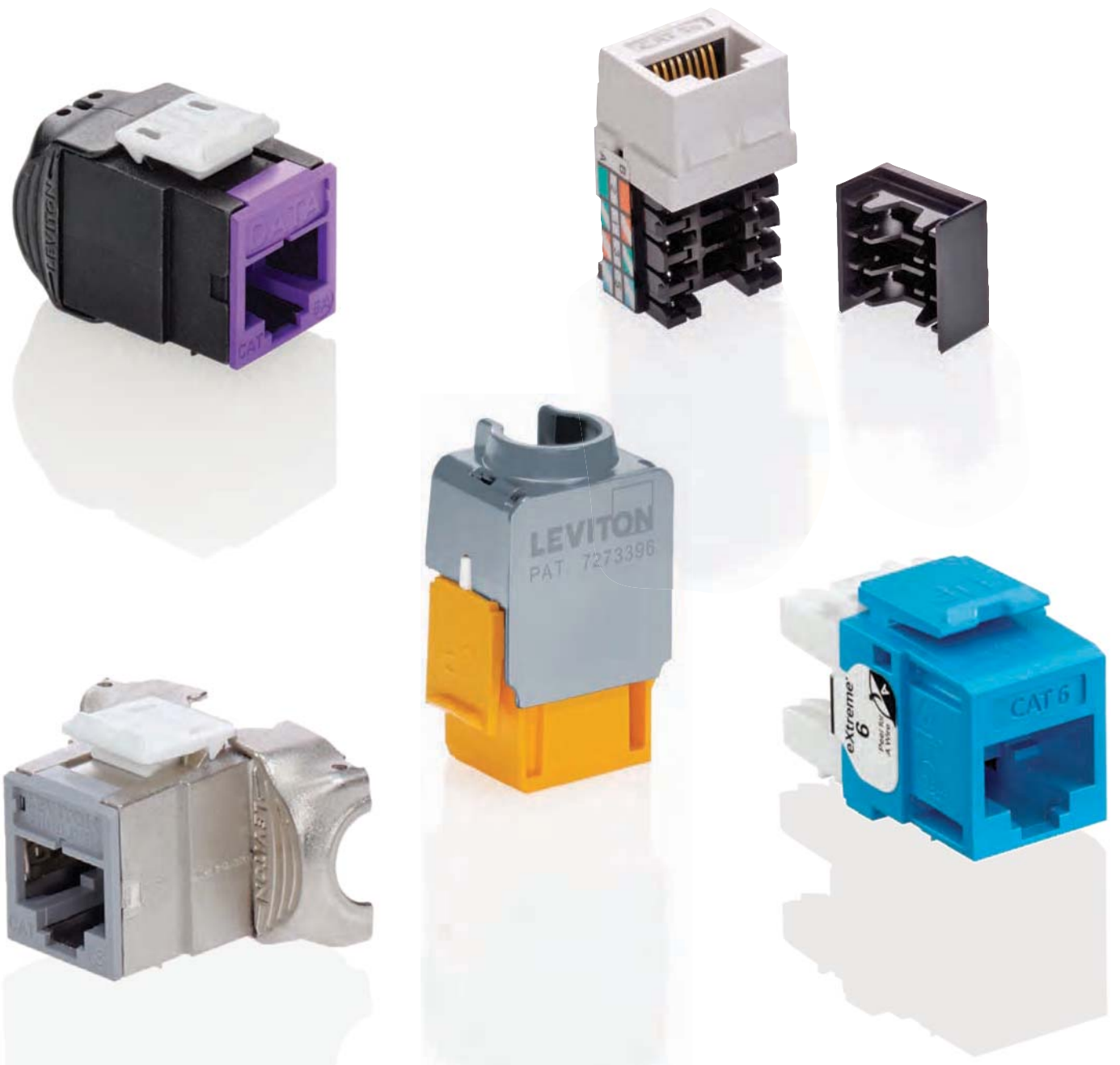
# COPPER SYSTEMS | System Selection Chart

This selection chart provides part numbers for system jacks, patch cords, and recommended patch panels.

Note: UTP systems are compatible with a wide range of patch panels beyond what is listed here. For a full list of patch panels, see pages A15-A23.

UTP		
CAT 6A	CAT 6	CAT 5E
6AUJK-x*6	61UJK-x*6	5EUJK-x*5
AC6PCGxxx-*88HB	C6PCUxxx-***BB	GPCPCUxxx-***HB
E2X1F-S48, E2X1A-S48, E2XHD-BRK C1255-H48 (composite, empty) Any empty UTP QuickPort™ panel		
6110G-x*6	61110-x*6	5G110-x*5
AC6PCGxxx-*88HB	C6PCUxxx-***BB	GPCPCUxxx-***HB
6910G-Uxx 6A586-xxx 6A587-xxx Any empty UTP QuickPort panel	69270-xxx 69586-xxx 69587-xxx Any empty UTP QuickPort panel	5G270-xxx 5G596-xxx 5G597-xxx Any empty UTP QuickPort panel
AC6JAKU002	C6JAKU002	GPCJAKU002
AC6PCGxxx-*88HB	C6PCUxxx-***BB	GPCPCUxxx-***HB
Any 1RU 24-port modular panel		
	C6PNLU240***	GPCPNLU24002





## FEATURED PRODUCTS

Atlas-X1  
Component-Rated  
UTP & Shielded  
Jacks **A8**

# Jacks

Leviton copper jacks go through rigorous third-party testing to ensure the highest levels of quality and reliability. Whether supporting mission-critical applications with Atlas-X1™, or enterprise with eXtreme™ and Plus jacks, Leviton has the connectivity solution for your needs.



**ATLAS-X1 COMPONENT-RATED UTP & SHIELDED JACKS**

- Innovative wire manager and door-release levers support quick, repeatable terminations
- Unified form factor and termination method, from Cat 5e to Cat 8
- Tool-free design requires no specialized termination tool
- Patented Retention Force Technology™ (RFT) protects against tine damage and maintains contact force between plug and jack, preventing arcing from intermittent disconnects in PoE applications
- Each jack includes interchangeable icons (voice, data, AV, and blank), color-coded to match the jack face
- Jack with internal shutter is available to protect ports from dust, debris, and contaminants
- Shielded jacks provide additional EMI/RFI protection, signal isolation, and alien crosstalk (AXT) suppression
- Tested and approved for use in air-handling spaces (plenum rating) in accordance with UL Standard 2043
- PoE optimized tine geometry prevents arcing damage where plug and jack make contact, extending jack life and ensuring maximum performance (see specification sheets for full PoE capabilities)
- Solid metal body dissipates 53% more heat than plastic, minimizing damage from excess heat in PoE applications
- Made in the USA

**Atlas-X1 Cat 8:**  
See page A32 for more information about Atlas-X1 Cat 8 solutions.

**ATLAS-X1 UTP QUICKPORT JACKS**

DESCRIPTION		CAT 6A	CAT 6	CAT 5E
Atlas-X1 UTP QuickPort Jack	[B]	6AUJK-R*6	61UJK-R*6	5EUJK-R*5
Atlas-X1 UTP QuickPort Jack with Shutter		6AUJK-S*6	61UJK-S*6	[C] 61UJK-S*5
Atlas-X1 UTP QuickPort Jack, GreenPack 12-Pack		6AUJK-C*6	61UJK-C*6	—

**ATLAS-X1 SHIELDED QUICKPORT JACKS**

DESCRIPTION		CAT 8	CAT 6A	CAT 6	CAT 5E
Atlas-X1 Shielded QuickPort Jack	[A]	81SJK-R*8	6ASJK-R*6	61SJK-R*6	—
Atlas-X1 Shielded QuickPort Jack with Shutter		—	6ASJK-S*6	61SJK-S*6	—
Atlas-X1 Shielded QuickPort Jack, GreenPack 12-Pack		—	6ASJK-C~6	61SJK-C~6	—

† = Cat 8 jacks available in gray and black only. \* = Colors: Choose from any of the colors below.  
 ~ = Colors: White (W), Black (E), Blue (L)      ~ = Colors: White (W), Black (E), Gray (G)

**ATLAS-X1 ACCESSORIES**

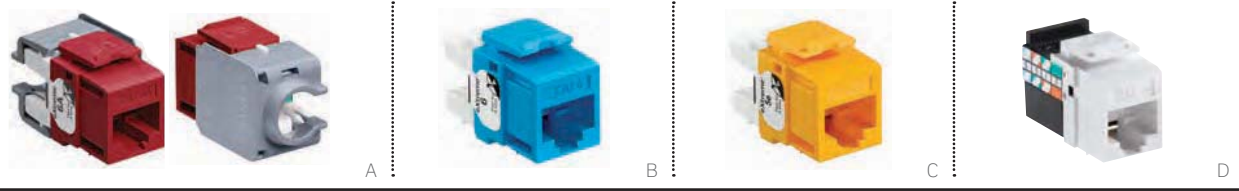
DESCRIPTION		PART NO.
Atlas-X1 Bulk Icons, pack of 72 (2-sided icons, 24 of each icon)	[D]	ICONS-IC*
Atlas-X1 UTP Wire Managers, bag of 10, white		AXUJK-BWM
Atlas-X1 Shielded Wire Managers, bag of 10, gray	[E]	AXSJK-BGM
Atlas-X1 Shielded Wire Managers for Cat 8, bag of 10, black		AXSJK-BEM

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



**Compatibility References:**  
See pages A28-A30 for patch panel and jack compatibility.  
See pages D23-D24 for housings, wallplates, and jack compatibility.

# CATEGORY-RATED JACKS | eXtreme™ & GigaMax™ QuickPort™



## EXTREME UTP QUICKPORT JACKS

- Patented Retention Force Technology™ (RFT) protects against damage from 4- or 6-pin plugs
- Pair Separation Towers facilitate quick, effective termination
- Compatible with Fluke JackRapid™ Punchdown Tool for quick and easy terminations
- Cat 6A jack includes patented Cone of Silence™ for alien crosstalk (AXT) suppression
- Patented large-format, tear-away, dual-layer wiring guide
- Supports PoE; see specification sheet for full capabilities
- Made in the USA

## GIGAMAX UTP QUICKPORT JACKS

- Single T568A or T568B wiring labels simplify terminations
- Narrow jack profile for high-density installations
- Compatible with Fluke JackRapid™ Punchdown Tool
- Durable one-piece frame built for longevity
- Supports PoE; see specification sheet for full capabilities
- Made in the USA

### Compatibility References:

See pages A29-A30 for patch panel and jack compatibility.

See pages D23-D24 for housings, wallplates, and jack compatibility.

EXTREME UTP QUICKPORT JACKS				
DESCRIPTION	1-PACK	GREENPACK™ 12-PACK	QUICKPACK™ 25-PACK	QUICKPACK 150-PACK WITH JACKRAPID TOOL
[A] eXtreme Cat 6A UTP QuickPort Jack	6110G-R*6	6110G-C^6	—	—
[B] eXtreme Cat 6 UTP QuickPort Jack	61110-R*6	—	61110-B*6	61110-J*6
[C] eXtreme Cat 5e UTP QuickPort Jack	5G110-R*5	—	5G110-B*5	5G110-J*5

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

^ = Colors: White (W), Black (E), Blue (L)

All Leviton Category-Rated Jacks are RoHS Compliant.

GIGAMAX UTP QUICKPORT JACK			
DESCRIPTION	1-PACK	QUICKPACK 25-PACK	QUICKPACK 150-PACK WITH JACKRAPID TOOL
[A] GigaMax Cat 5e UTP QuickPort Jack	5G108-R*5	5G108-B*5	5G108-J*5

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

All Leviton Category-Rated Jacks are RoHS Compliant.



## SPOTLIGHT

### GreenPack™



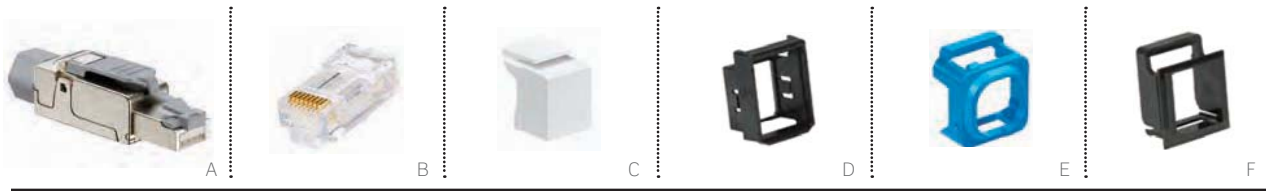
Leviton Atlas-X1™ Cat 6 and Cat 6A, and eXtreme Cat 6A jacks are now available in GreenPack bulk packaging. The convenient packages of 12 jacks, available in shielded and UTP, provide contractors with an efficient option for large-scale projects and installations, with fewer individual parts to manage and less jobsite waste. Each bulk pack features:

- Easy to open, reusable packaging
- Protection for all included components
- Choice of three jack colors for better network planning
- 100% recyclable packaging

Atlas-X1 and eXtreme jacks are compatible with all Leviton QuickPort products.



# CATEGORY-RATED JACKS | Plugs, Blank Insert & Adapter Bezels



## CAT 6A PLUG

- Cat 6A Universal Tool-Free plug offers easy field termination without special tools and terminates from 26- to 22-gauge solid or stranded conductors, supporting shielded and UTP applications

## CAT 6 PLUG

- Cat 6 plug provides quick UTP wire terminations, with clear housing for wire sequence verification and cable feedthrough plug opening for crimp precision

## QUICKPORT BLANK INSERT

- QuickPort Blanks secure unused ports in wallplates and housings for future expansion

## JACK ADAPTER BEZELS

- Jack adapter bezels allow QuickPort Jacks to be installed in third-party wallplates and housings
- Jack adapter bezels work with all QuickPort Jacks

### Compatibility References:

See pages A29-A30 for patch panel and jack compatibility.

See pages D23-D24 for housings, wallplates, and jack compatibility.

### CAT 6A PLUG

DESCRIPTION	PART NO.
[A] Cat 6A Universal Tool-Free Plug	6APLG-S6A

### CAT 6 PLUG

DESCRIPTION	PART NO.
[B] Cat 6 EZ-RJ45 Plug <sup>^</sup>	47613-EZ6

<sup>^</sup> = See Copper Tools Page A50 for EZ-RJ 45 crimp tool part number

### QUICKPORT BLANK INSERT

DESCRIPTION	PART NO.
[C] Blank Insert (pack of 10)	41084-0Bx

### QUICKPORT BLANK INSERTS & JACK ADAPTER BEZELS

DESCRIPTION	PART NO.
[D] CommScope Jack Adapter Bezel (jack not included)	AB100-00 <sup>+</sup>
[E] Clipsal™ Jack Adapter Bezel (jack not included)	AB200-00*
[F] LexCom Jack Adapter Bezel (jack not included)	AB300-00 <sup>+</sup>

x = Colors: White (W), Light Almond (T), Ivory (I), Gray (G), Black (E), Brown (B)

+ = Colors: Choose from white or black.

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

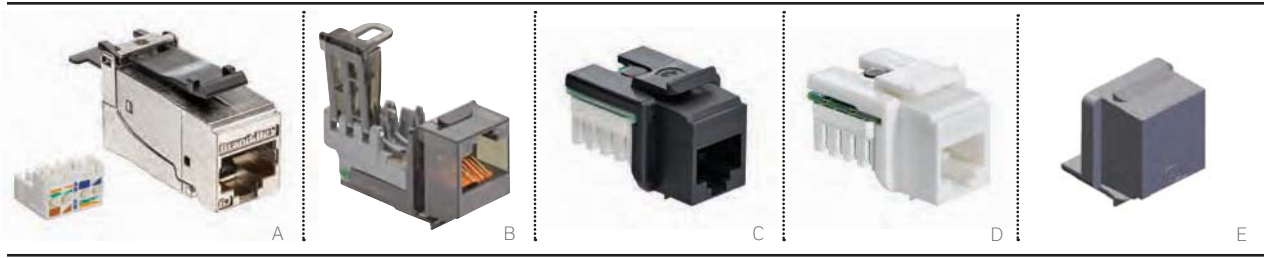
Bezel color will be visible after installation.

Bezels packaged individually and sold separately from jacks.



White (W) Light Almond (T) Ivory (I) Yellow (Y) Orange (O) Crimson (C) Dark Red (R) Purple (P) Blue (L) Green (V) Gray (G) Black (E) Brown (B)

# CATEGORY-RATED JACKS | 10GPlus Cat 6A Jacks



## 10GPLUS CAT 6A COMPONENT-RATED SHIELDED TOOL-FREE SNAP-IN JACK

- High electrical performance with ample headroom in installed links
- Component performance certified by third-party testing labs
- Tool-free design requires no specialized termination tools
- 360° screen: rear contact features ensure contact to the cable shields and good EMI resistance
- Quick release function supports fast, safe, repeatable terminations

## 10GPLUS CAT 6A UTP TOOL-FREE SNAP-IN JACK

- Rear, top, or side entry cable configuration for maximum flexibility
- Tool-free design requires no specialized termination tools

## 10GPLUS CAT 6A SNAP-IN JACKS, LSA IDC TERMINATION

- Robust LSA style IDC design ensures maximum performance from punch down connections
- Printed A/B wiring diagram on IDC improves installation and reduces the potential for errors

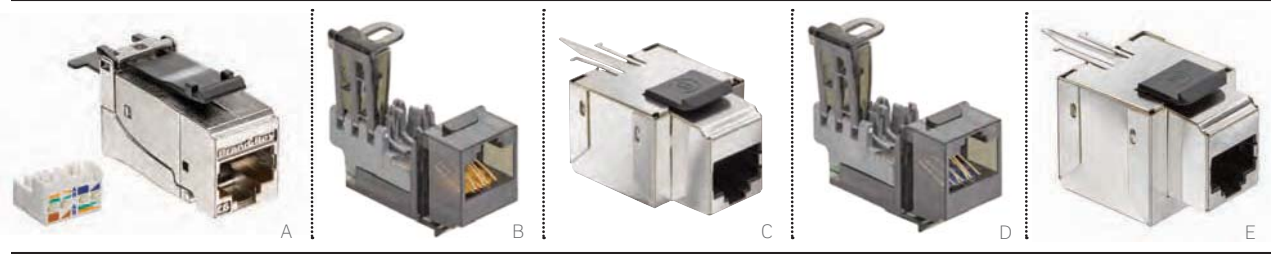
## SNAP-IN JACK PATCH PANEL ACCESSORIES

- Blank inserts secure unused ports in wallplates and housings for future expansion

**Compatibility References:**  
 See pages A29-A30 for patch panel and jack compatibility.  
 See pages D23-D24 for housings, wallplates, and jack compatibility.

10GPLUS CAT 6A TOOL-FREE SNAP-IN JACKS	
DESCRIPTION	PART NO.
<b>[A]</b> 10GPlus Cat 6A Shielded Tool-free Snap-In Jack	AC6JAKS000DC
<b>[B]</b> 10GPlus Cat 6A UTP Tool-free Snap-In Jack	AC6JAKU002
10GPLUS CAT 6A SNAP-IN JACKS, LSA IDC TERMINATION	
10GPlus Cat 6A Shielded LSA-Style Snap-in Jack, metallic	AC6JAKF0K2
<b>[C]</b> 10GPlus Cat 6A UTP LSA-Style Snap-in Jack, black	AC6JAKU0K2
<b>[D]</b> 10GPlus Cat 6A UTP LSA-Style Snap-in Jack, white	AC6JAKU0K3
SNAP-IN-JACK PATCH PANEL ACCESSORIES	
<b>[E]</b> Snap-in-Jack Blank, black	MMCJAKBLK2
Snap-in-Jack Blank, white	MMCJAKBLK3

# CATEGORY-RATED JACKS | Cat6Plus Cat 6 & GigaPlus Cat 5e Jacks



## CAT6PLUS CAT 6 SHIELDED TOOL-FREE SNAP-IN JACK

- High electrical performance with ample headroom in installed links
- Tool-free design requires no specialized termination tool
- 360° screen: Rear contact features ensure contact to the cable shields and good EMI resistance
- Quick release function supports fast, safe, repeatable terminations

## CAT6PLUS CAT 6 UTP TOOL-FREE SNAP-IN JACK

- Rear, top, or side entry cable configuration for maximum flexibility
- Tool-free design requires no specialized termination tool

## CAT6PLUS CAT 6 SNAP-IN JACKS

- LSA and 110-style options
- Shielded and UTP options

## GIGAPLUS CAT 5E UTP TOOL-FREE SNAP-IN JACK

- Rear, top, or side entry cable configuration for maximum flexibility
- Tool-free design requires no specialized termination tools

## GIGAPLUS CAT 5E SNAP-IN JACKS

- Shielded and UTP options

### Compatibility References:

See pages A29-A30 for patch panel and jack compatibility.

See pages D23-D24 for housings, wallplates, and jack compatibility.

### CAT6PLUS CAT 6 TOOL-FREE SNAP-IN JACK

DESCRIPTION	PART NO.
<b>[A]</b> Cat6Plus Cat 6 Shielded Tool-free Snap-In Jack	C6CJAKS000DC
<b>[B]</b> Cat6Plus Cat 6 UTP Tool-free Snap-In Jack	C6CJAKU002

### CAT6PLUS CAT 6 SNAP-IN JACK

DESCRIPTION	LSA-STYLE	110-STYLE
<b>[C]</b> Cat6Plus Cat 6 Shielded Snap-In Jack, metallic	C6CJAKF0K2	—
Cat6Plus Cat 6 UTP Snap-In Jack, white	C6CJAKU0K3	—
Cat6Plus Cat 6 UTP Snap-In Jack, black	—	C6CJAKU012
Cat6Plus Cat 6 UTP Snap-In Jack, white	—	C6CJAKU013

### GIGAPLUS CAT 5E UTP TOOL-FREE SNAP-IN-JACK

DESCRIPTION	PART NO.
<b>[D]</b> GigaPlus Cat 5e UTP Tool-Free Snap-In Jack	GPCJAKU002

### GIGAPLUS CAT 5E SNAP-IN JACKS

DESCRIPTION	LSA-STYLE	110-STYLE
<b>[E]</b> GigaPlus Cat 5e Shielded Snap-In Jack, metallic	—	GPCJAKF012
GigaPlus Cat 5e UTP Snap-In Jack, white	GPCJAKU0K3	—



## FEATURED PRODUCTS

Composite Patch Panels **A17**

1RU 48-Port QuickPort™ High-Density Flat & Angled Panels **A16, A18**

e2XHD Snap-In Cassette Patching System **A20**

# Patch Panels & Cross Connect

Choose Leviton for all your patch panel needs. Our e2XHD high-density panels make patching easier than ever, using snap-in copper and fiber cassettes. Other popular styles include the 1RU 48-port, component-rated Cat 6A 110-style, and Snap-In-Jack solutions. Additional UTP and shielded panels, the patented Zero-U VertiGO™, recessed panels for close quarters, and angled styles round out the industry's largest selection of patch panels.

## e2XHD Snap-In Cassette Patch Panels ► A20

These high-density panels are designed for data center applications where fast, single-click deployment and simple maintenance are important. They accept both UTP and shielded copper as well as fiber e2XHD snap-in cassettes in the same panel.

Available Styles: Flat | Angled

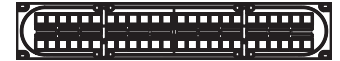


Flat 48-Port

## Flat Composite Patch Panels ► A17

Leviton Composite panels have the same profile as standard metal panels, but feature polymer composite construction. Customizable faces are ideal for data centers, telecommunication rooms, and other showroom-style environments.

Available Styles: 110-Style | QuickPort™



Flat 48-Port

## Flat Patch Panels ► A15, A16, A22-A25

Traditional, flat profile works well in almost any application. Most flat panels include rear cable management bars. Flat panels with angled ports also available.

Available Styles: 110-Style | LSA-Style | QuickPort | Snap-In-Jack



Flat 24-Port



Die-Cast High-Density 48-Port



Flat 48-Port

## Angled Patch Panels ► A18

Recommended for use in racks to optimize patch cord management and rack space utilization.

Available Styles: 110-Style | QuickPort | Shielded



Angled 48-Port



## Recessed & Recessed-Angled Patch Panels ► A19

Designed primarily for data center cabinet applications, recessed-flat and recessed-angled panels are ideal where a low-profile appearance and minimal depth in front of the panel is required.

Available Styles: QuickPort



Recessed-Flat 24-Port

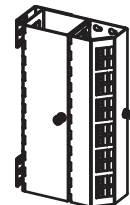


Recessed-Angled 48-Port

## Zero-U Patch Panels ► A21

VertiGO™ panels are recommended for use in data center cabinets, or for any application that needs connectivity outside of the traditional 19-inch rack space. Vertical channel models provide cable routing and protection.

Available Styles: QuickPort | SDX

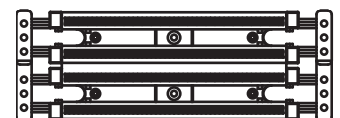


VertiGO™ Zero-U

## Cross-Connect ► A27-A28

Dependable, flexible, and cost-effective, 110-style and 66-block cross-connect products are ideal for telecommunication rooms and distribution frames.

Available Styles: Cat 6A | Cat 6 | Cat 5e

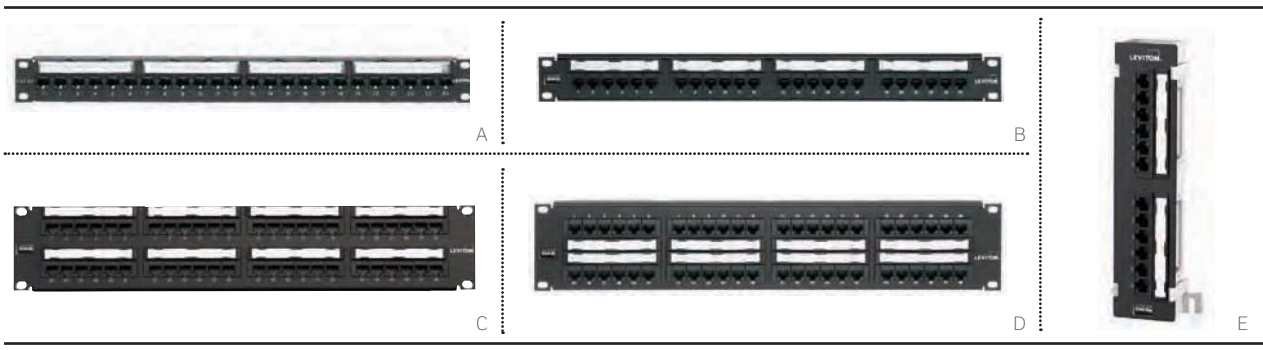


Cross-Connect 110-Style Wiring Block



# PATCH PANELS | Flat Metal 110-Style > UTP

COPPER Patch Panels



## FLAT UTP 110-STYLE PATCH PANELS

- 1RU 12- or 24-port, 2RU 48-port, and 4RU 96-port configurations
- 6-port RJ-45 modules on front, and 110-style punchdowns on rear
- Includes color codes for T568A and T568B wiring schemes
- Cat 5e and Cat 6 include 25-pair wiring schemes
- Silk-screened port numbers and paper label holders included
- Select panels include patented magnifying lens label holders for easy reading
- Patented Retention Force Technology™ (RFT) protects against tine damage from 4- or 6-pin plugs, saves on costly repairs, and increases system longevity (select panels only)

FLAT 110-STYLE PATCH PANELS & PATCH BLOCK			
DESCRIPTION	CAT 6A	CAT 6	CAT 5E
1RU 12-Port Flat 110-Style Patch Panel	—	69586-U12	5G596-U12
1RU 24-Port Flat 110-Style Patch Panel	—	<b>[B]</b> 69586-U24	5G596-U24
1RU 24-Port Flat 110-Style Patch Panel, magnifying lens label holder	<b>[A]</b> 6A586-U24	69586-L24	5G596-L24
2RU 48-Port Flat 110-Style Patch Panel	—	<b>[C]</b> 69586-U48	5G596-U48
2RU 48-Port Flat 110-Style Patch Panel, magnifying lens label holder	6A586-U48	69586-L48	5G596-L48
2RU 48-Port Flat 110-Style Patch Panel, central labeling	—	<b>[D]</b> 69586-C48	5G596-C48
4RU 96-Port Flat 110-Style Patch Panel	—	69586-U96	5G596-U96
12-Port 110-Style Patch Block, 89D bracket	—	<b>[E]</b> 69586-U89	5G596-U89

## AVAILABLE CABLE MANAGEMENT:

See Section E for product details and ordering information.

Versi-Duct™

Rear Cable Management Bars

Horizontal Cable Managers

Blank Filler Panels

VELCRO® Brand Fasteners



49005-CMB included with all 110-Style Cat 6A/6/5e flat panels.



49005-CMC is for clip only (bar not included). See page E6 for more details.

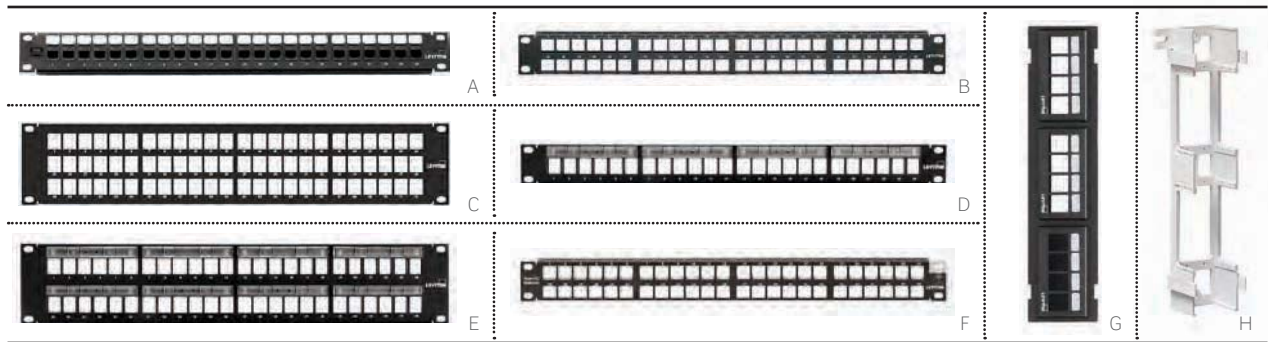
## SPOTLIGHT | New Cable Management Clip from Leviton



**Manage up to 24 individual cables with the new, easy-to-install Cable Management Clip.** The user-focused design is engineered to speed deployment, quickly snapping onto Leviton cable management bars without any tools to streamline installation and maintenance.

The cable management clip is compatible with flat and recessed QuickPort™ and 110-style panels, with no cable ties or wraps required. The result is easier, neater, more efficient network management, with improved density for larger diameter cables and discrete cable retention at the rear of the patch panels.

**See page E6 for more information.**



## FLAT UTP QUICKPORT PATCH PANELS

- Standard-density 24- and 48-port panels are available with white blocks or patented magnifying lens label holder
- Silk-screened port numbers on panel front
- High-density 1RU 48-port and 2RU 72-port options maximize rack space and reduce costs in high-density applications
- 1RU 48-port panel available in standard (stamped) or patented robust die-cast aluminum

## ATLAS-X1™ FLAT SHIELDED QUICKPORT PATCH PANELS

- Shielding protects against electromagnetic interference (EMI) and radio frequency interference (RFI), and provides excellent alien crosstalk (AXT) suppression
- Includes appropriate grounding hardware
- High-density 1RU 48-port option maximizes rack space and reduces costs in high-density applications

### Compatibility References:

See pages A29-A30 for patch panel and jack compatibility.

## AVAILABLE CABLE MANAGEMENT:

See Section E for product details and ordering information.

Versi-Duct™

Rear Cable Management Bars

Horizontal Cable Managers

Blank Filler Panels

VELCRO® Brand Fasteners



49005-CMB included with all Cat 6A/6/5e flat panels below, unless otherwise noted.

## FLAT QUICKPORT PATCH PANELS, PATCH BLOCKS & ACCESSORIES

DESCRIPTION	CAT 6A	CAT 6	CAT 5E	EMPTY
1RU 24-Port Flat QuickPort Patch Panel	<b>[A]</b> 6910G-U24	69270-U24	5G270-U24	49255-H24
1RU 48-Port Flat High-Density QuickPort Patch Panel	—	—	—	<b>[B]</b> 49255-Q48*
1RU 48-Port Flat High-Density Die-Cast QuickPort Patch Panel	—	—	—	49255-D48^
2RU 48-Port Flat QuickPort Patch Panel	6910G-U48	69270-U48	5G270-U48	49255-H48
2RU 72-Port Flat QuickPort Patch Panel	—	—	—	<b>[C]</b> 49255-D72
1RU 24-Port Flat QuickPort Patch Panel, magnifying lens label holder	—	—	—	<b>[D]</b> 49255-L24
2RU 48-Port Flat QuickPort Patch Panel, magnifying lens label holder	—	—	—	<b>[E]</b> 49255-L48
12-Port QuickPort Patch Block, mounting bracket (item H below) sold separately, 10" H x 2.375" W	—	—	—	<b>[G]</b> 49255-Q89
12-Port QuickPort Patch Block, extra deep, mounting bracket included, 10" H x 2.375" W	—	—	—	47689-QQP
QuickPort Patch Block 89D Mounting Bracket (mounts to item G)	—	—	—	<b>[H]</b> 40089-00D

## ATLAS-X1 FLAT SHIELDED PATCH PANELS

1RU 24-Port Flat Shielded QuickPort Patch Panel	—	—	—	4S255-S24
1RU 48-Port Flat Shielded QuickPort Patch Panel	—	—	—	<b>[F]</b> 4S255-D48*
2RU 48-Port Flat Shielded QuickPort Patch Panel	—	—	—	4S255-S48

\* = Cable management bar sold separately.

^ = 49005-DMB, high-density cable management bar included.

Cat 6A/6/5e patch panels are kitted with black 6110G, 61110, or 5G110 jacks.

QuickPort jacks are available on pages A8-A9.



A



B



C

Customize composite patch panels with any design, color, or logo. Visit [Leviton.com/compositepanel](http://Leviton.com/compositepanel) to learn more.

**FLAT COMPOSITE UTP 110-STYLE AND QUICKPORT™ PATCH PANELS**

- 10 percent stronger than standard 16-gauge metal patch panels, providing added support during termination of 110-style panels
- Panel face can be customized to feature any design, color, or logo
- Patch cord managers prevent cables from obstructing view of port numbers
- Clear label holders create a window to easily view port numbers and custom designs
- Patented Retention Force Technology™ (RFT) protects against tine damage from 4- or 6-pin plugs, saves on costly repairs, and increases system longevity

**AVAILABLE CABLE MANAGEMENT:**

See Section E for product details and ordering information.

Versi-Duct™

Rear Cable Management Bars

Horizontal Cable Managers

Blank Filler Panels

VELCRO® Brand Fasteners



Front and Rear Managers are included (QuickPort and 110-Styles only)

FLAT COMPOSITE 110-STYLE & QUICKPORT PATCH PANELS			
DESCRIPTION	CAT 6	CAT 5E	EMPTY
2RU 48-Port Flat Composite 110-Style Panel	<b>[A]</b> C1686-U48	C1586-U48	—
2RU 48-Port Flat Composite QuickPort Panel	—	—	<b>[B]</b> C1255-H48
2RU Blank Panel / Cable Manager	—	—	<b>[C]</b> C1253-2CM

QuickPort jacks are available on pages A8-A9.

**WATCH: TRAINING VIDEOS**

[Leviton.com/ns/videos](http://Leviton.com/ns/videos)  
"Composite Patch Panel"

**Compatibility References:**

See pages A29-A30 for QuickPort patch panel and jack compatibility.

**SPOTLIGHT** Composite Patch Panels



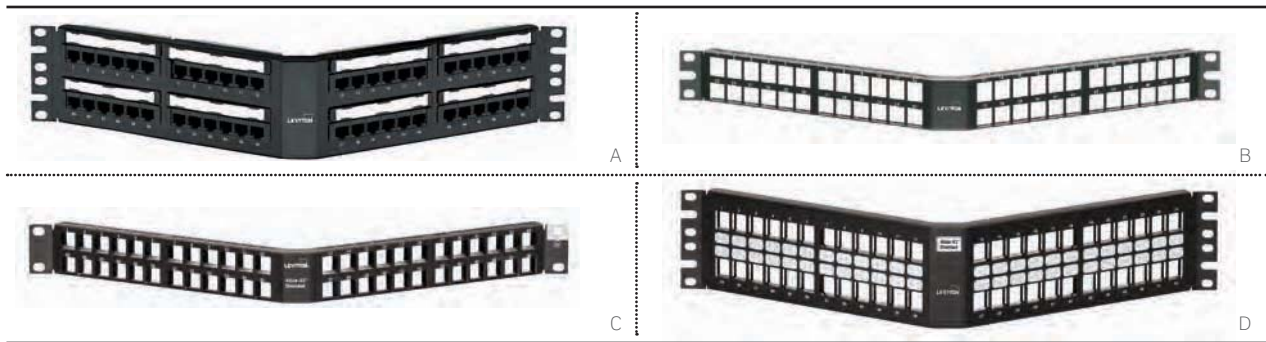
Protective Overlay Cover

Custom Insert

Patch Panel

**Patch panels combine strength and durability** with a unique style and customizable faces, providing a uniform look when installed with 2000i SDX Fiber Enclosures and Versi-Duct Cable Managers.

- Under applied force tests, the panel was 10 percent stronger than standard 16-gauge metal patch panels
- Panels come kitted with two patch cord managers that attach directly to the panel face, saving up to 50 percent of rack or cabinet space and reducing obstruction of center label
- Clear label holders create a "window" to easily view centralized port numbers and custom designs



**ANGLED UTP 110-STYLE & QUICKPORT™ PATCH PANELS**

- Angled design conserves rack space by routing patch cords directly into vertical cable management
- Angled design facilitates proper bend radius and simplifies termination
- 110-style angled panels include a snap-in plastic label holder and card stock labels
- QuickPort angled panels include white write-on blocks
- Select panels include patented magnifying lens label holders for easy reading

**ATLAS-X1™ ANGLED SHIELDED QUICKPORT PATCH PANELS**

- Shielding protects against electromagnetic interference (EMI) and radio frequency interference (RFI), and provides excellent alien crosstalk (AXT) suppression
- Include appropriate grounding hardware
- High-density 1RU 48-port option maximizes rack space and reduces costs in high-density applications

**Compatibility References:**

See pages A29-A30 for patch panel and jack compatibility.

**AVAILABLE CABLE MANAGEMENT:**

See Section E for product details and ordering information.

Versi-Duct™

Rear Cable Management Bars

Horizontal Cable Managers

Blank Filler Panels

Transitional Covers

VELCRO® Brand Fasteners



49006-AMB Recommended angled rear cable management bar



49254-BC1 Recommended angled transitional cover

**ANGLED 110-STYLE & QUICKPORT PATCH PANELS**

DESCRIPTION	CAT 6A	CAT 6	CAT 5E	EMPTY
1RU 24-Port Angled 110-Style Patch Panel	—	69587-U24	5G597-U24	—
1RU 24-Port Angled 110-Style Patch Panel, magnifying lens holder	6A587-U24	69587-L24	5G597-L24	—
2RU 48-Port Angled 110-Style Patch Panel	—	<b>[A]</b> 69587-U48	5G597-U48	—
2RU 48-Port Angled 110-Style Patch Panel, magnifying lens holder	6A587-U48	69587-L48	5G597-L48	—
1RU 24-Port Angled QuickPort Patch Panel	—	—	—	49256-H24
1RU 24-Port Angled QuickPort Patch Panel, magnifying lens holder	—	—	—	49256-L24
2RU 48-Port Angled QuickPort Patch Panel	—	—	—	49256-H48
2RU 48-Port Angled QuickPort Patch Panel, magnifying lens holder	—	—	—	49256-L48
2RU 72-Port Angled QuickPort Patch Panel	—	—	—	49256-D72
1RU 48-Port Angled High-Density QuickPort Patch Panel	—	—	—	<b>[B]</b> 49256-D48

**ATLAS-X1 ANGLED SHIELDED PATCH PANELS**

DESCRIPTION	EMPTY
1RU 24-Port Angled Shielded QuickPort Patch Panel	4S256-S24
1RU 48-Port Angled Shielded QuickPort Patch Panel	<b>[C]</b> 4S256-D48
2RU 48-Port Angled Shielded QuickPort Patch Panel	<b>[D]</b> 4S256-S48

QuickPort jacks are available on pages A8-A9.



# PATCH PANELS | Recessed-Flat & Recessed-Angled > UTP

Patch Panels

COPPER



A



B

Recessed-flat and recessed-angled patch panels are a great option for rack and cabinet installations with minimal front depth, and where rear cabinet doors are in close proximity to the back rail.

## RECESSED-FLAT QUICKPORT™ PATCH PANELS

- 3-inch recessed design allows improved access and maintains proper cable bend radius
- All recessed-flat panels include a screwless cable management bar that fastens directly to the back of the panel

## RECESSED-ANGLED QUICKPORT PATCH PANELS

- Conserve rack space by routing patch cords directly into vertical cable management
- Unique dual-angled design greatly improves punchdown accessibility

## AVAILABLE CABLE MANAGEMENT:

See Section E for product details and ordering information.

Versi-Duct™

Rear Cable Management Bars

Horizontal Cable Managers

VELCRO® Brand Fasteners



49005-CMB included with all recessed-flat panels.



4W006-AMB Recommended rear cable management bar for recessed-angled panels



4W254-BC1 Recommended recessed-angled transitional cover for recessed-angled panels

### RECESSED-FLAT QUICKPORT PATCH PANELS

DESCRIPTION	PART NO.
1RU 24-Port Recessed-Flat QuickPort Panel	[A] 49255-R24

### RECESSED-ANGLED QUICKPORT PATCH PANELS

1RU 24-Port Recessed-Angled QuickPort Panel	[B] 4W256-H24
2RU 48-Port Recessed-Angled QuickPort Panel	4W256-H48

QuickPort Jacks are available on pages A8-A9.

## Compatibility References:

See pages A29-A30 for QuickPort patch panel and jack compatibility.

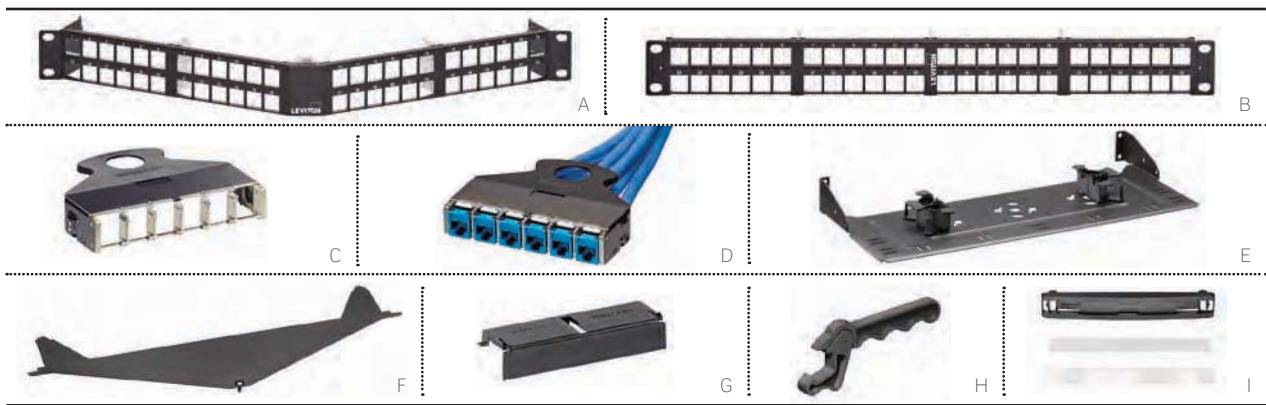
## SPOTLIGHT

Magnifying Lens Label Holder



Available with a wide selection of Leviton patch panels, Leviton patented magnifying lens label holders ensure visibility of port labels for easy identification of individual port designations.





The e2XHD Snap-In Cassette Patching System includes 1RU panels, copper and fiber snap-in cassettes, and accessories for additional cable protection and management. The e2XHD cassettes quickly snap in and pull out of the high-density panels, making installation, moves, adds, and changes easier than ever.

- Panels allow a mix-and-match of Leviton fiber, UTP, and shielded copper snap-in cassettes
- Cassettes are available empty or on pre-terminated trunks (see page A40)
- UTP and shielded copper jacks easily snap into cassette after termination
- System accessories include rear cable managers, blank cassette inserts for unused cassette openings, and a cover for the angled panel, minimizing dust or debris

**Compatibility References:**

See pages A29-A30 for patch panel and jack compatibility.

**e2XHD UTP & SHIELDED SNAP-IN CASSETTE PATCHING SYSTEM**

DESCRIPTION	PART NO.
<b>[A]</b> 1RU 48-Port e2XHD Angled High-Density Panel, supports UTP, shielded, and fiber media	E2X1A-S48
<b>[B]</b> 1RU 48-Port e2XHD Flat High-Density Panel, supports UTP, shielded, and fiber media	E2X1F-S48
<b>[C]</b> 6-port e2XHD Cassette, empty*	E2XHD-BRK
<b>[D]</b> e2XHD Copper Cassette, terminated to trunk cable (see page A40)	Configure online at <a href="http://Leviton.com/e2XHD">Leviton.com/e2XHD</a>
e2XHD Rear Cable Manager for Angled Panel, with fiber storage rings (four ¼" rings)	E2XHD-CMB
<b>[E]</b> e2XHD Rear Cable Manager for Flat Panel, with fiber storage rings (four ¼" rings)	E2X1F-CMB
<b>[F]</b> e2XHD Angled Panel Cover	E2XHD-COV
<b>[G]</b> e2XHD Cassette Blank	E2XHD-BLK
<b>[H]</b> QuickPort™ Jack Removal Tool	E2XHD-JRT
<b>[I]</b> e2XHD Label Kit (4 pack)*	E2XHD-LBL

\* = QuickPort Jacks sold separately (see pages A8-A9).

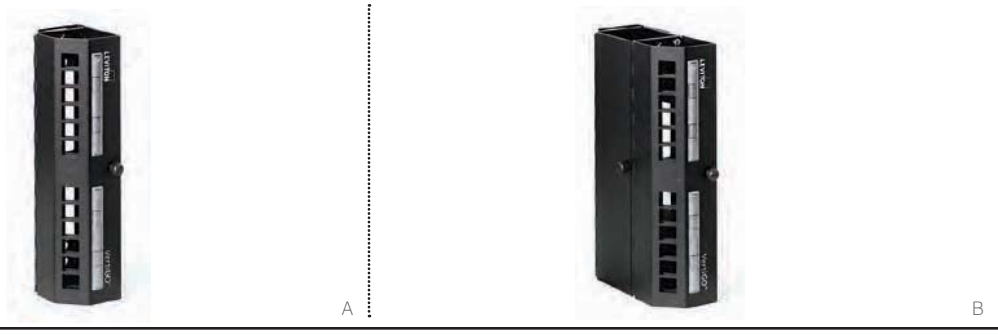
+= Label kit occupies one row of panel.



e2XHD Snap-In Cassette Patching System for fiber applications on pages B25-B26.

# PATCH PANELS | VertiGO™ Zero-U UTP QuickPort™

COPPER Patch Panels



## VERTIGO ZERO-U UTP QUICKPORT PATCH PANELS

- Zero-U panels can be mounted to a ladder tray, wire basket, under a raised floor, or onto modular furniture
- QuickPort openings
- Low-profile design fully covers jacks
- Improves cabinet center airflow by routing rear cable along outer edges
- Styles with 3-inch channels provide additional cable management space
- Hinged doors provide easy access to termination field
- Patented magnifying lens label holders facilitate easy reading

## RECOMMENDED APPLICATIONS:

- Any Size Cabinet
- Ladder Tray
- Wire Basket
- Raised-Floor Enclosure
- Modular Furniture
- Wall-Mount

## Compatibility References:

See pages A29-A30 for patch panel and jack compatibility.

VERTIGO ZERO-U PATCH PANELS	
DESCRIPTION	PART NO.
[A] 12-Port UTP QuickPort VertiGO Panel, panel only, empty	49280-QP0
[B] 12-Port UTP QuickPort VertiGO Panel, 3" channel, empty	49280-QP3

Channel not available separately.

**Make to order!** For custom configurations, please visit [Leviton.com/ns/emea/mto](http://Leviton.com/ns/emea/mto) or call +44 (0) 1592 772124.

See pages A8-A9 and C16-C17 for QuickPort Jacks.

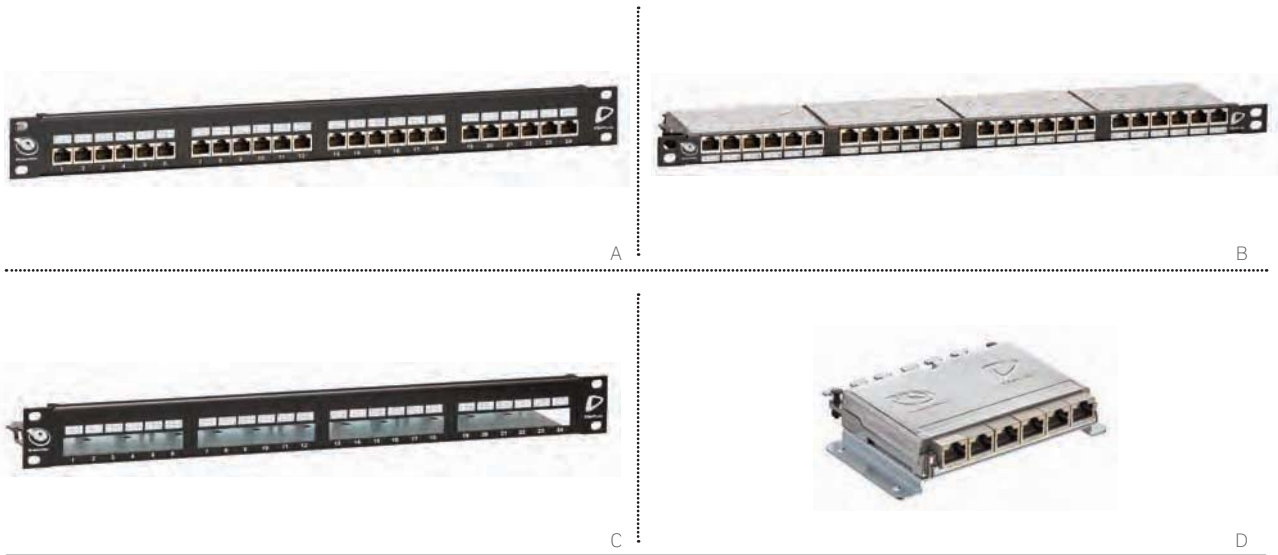
## SPOTLIGHT Mounting Options for Mini Wall-Mount Enclosure



The Opt-X SDX Mini Wall-Mount Enclosure provides simple deployment and flexible mounting options for remote network hubs, non-traditional network areas, and other areas with extreme space constraints. It accepts six copper ports by using a QuickPort adapter plate (5F100), or up to 24 LC fibers or 12 SC fibers using an SDX cassette or adapter plate.

Learn more on page B18.

# PATCH PANELS | Flat 10GPlus Cat 6A Patch Panels & Modules



Patch Panels

COPPER

## 10GPLUS CAT 6A PATCH PANELS

- Component performance certified by third-party testing lab
- Accept four shielded removable modular units, each comprising 6 ports
- Available in 1RU and 0.5RU
- Cable management/strain relief built into the panel rear
- Include numerical port labeling and writable surface above each port
- Standard LSA IDC termination

## 10GPLUS CAT 6A CONSOLIDATION POINT MODULES

- Low-profile shielded module with 6 RJ-45 ports
- Include cable tie points, panel chassis locks, earthing point, and dust caps
- Available with mounting bracket for secure fixing under floors, on walls and other areas where consolidation points are found

### 10GPLUS CAT 6A PATCH PANELS

DESCRIPTION	BLACK
<b>[A]</b> 10GPlus 1RU 24-Port Shielded Patch Panel	AC6PNLF240K2M
<b>[B]</b> 10GPlus 0.5RU 24-Port Shielded Patch Panel	AC6PNLF240K2H

### 10GPLUS CAT 6A PATCH PANELS, CHASSIS ONLY

10GPlus 0.5RU Patch Panel, chassis only	AC6PNLC240K2H
<b>[C]</b> 10GPlus 1U Patch Panel, chassis only	AC6PNLC240K2M

### 10GPLUS CAT 6A CONSOLIDATION POINT MODULES

DESCRIPTION	METALLIC
10GPlus Consolidation Point Module, 6 way	AC6CPF060K
<b>[D]</b> 10GPlus Consolidation Point Module with mounting bracket, 6 way	AC6CPF060KM

Additional colors available. Contact customer service for details

# PATCH PANELS | Flat Cat6Plus Cat 6 Patch Panels

COPPER Patch Panels



## CAT6PLUS CAT 6 PATCH PANELS

- 1RU and 0.5RU 24-port panel in shielded and UTP options
- LSA- and 110-style options
- Rear cable management for easy routing and strain relief
- Include numerical port labeling and writable surface for each port

CAT6PLUS CAT 6 PATCH PANELS, UTP	
DESCRIPTION	PART NO.
Cat6Plus 1RU 24-Port LSA-Style, UTP, black	C6CPNLU240K2M
Cat6Plus 1RU 24-Port 110-Style, UTP, black	C6CPNLU24012M
<b>[A]</b> Cat6Plus 0.5RU 24-Port LSA-Style UTP , black	C6CPNLU240K2H
CAT6PLUS CAT 6 PATCH PANELS, SHIELDED	
Cat6Plus 1RU 24-Port LSA-Style, shielded, gray	C6CPNLF240K8M
<b>[B]</b> Cat6Plus 1RU 24-Port LSA-Style, shielded, black	C6CPNLF240K2M
Cat6Plus 0.5RU 24-Port LSA-Style shielded, gray	C6CPNLF240K8H
Cat6Plus 0.5RU 24-Port LSA-Style shielded, black	C6CPNLF240K2H

# PATCH PANELS | Flat GigaPlus Cat 5e Patch Panels



## GIGAPLUS CAT 5E PATCH PANELS

- Universal IDC panel available in 1RU 24-port option
- Panels available with built-in rear cable management/strain relief
- Include numerical port labeling and writable surface for each port
- LSA and 110 punchdown style options

### GIGAPLUS CAT 5E PATCH PANELS, UTP

DESCRIPTION	PART NO.
<b>[A]</b> GigaPlus 1RU 24-Port, Universal IDC, UTP, black	GPCPNLU24002

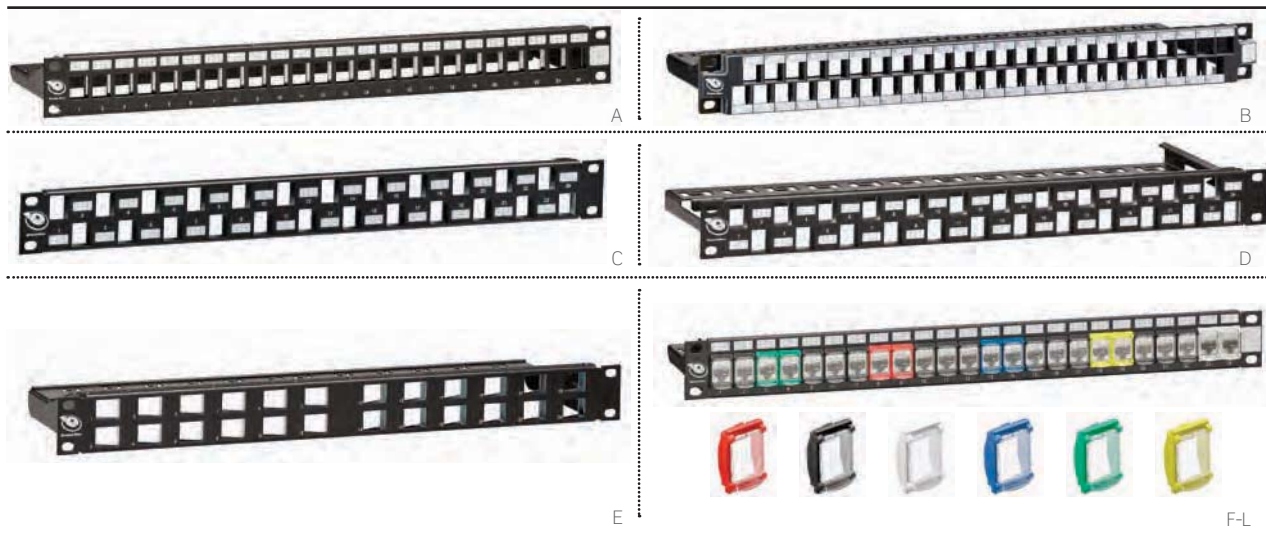
### GIGAPLUS CAT 5E PATCH PANELS, SHIELDED

<b>[B]</b> GigaPlus 1RU 24-Port, LSA-style, shielded with cable management, black	GPCPNLF240K2M
GigaPlus 1RU 24-Port, 110-style, shielded with cable management, black	GPCPNLF24012M



# PATCH PANELS | Snap-in-Jack Patch Panels & Accessories

COPPER Patch Panels



## SNAP-IN-JACK PATCH PANELS

- Modular design accepts QuickPort™ and Plus Jacks (see A29 for compatibility)
- Staggered design offers additional crosstalk performance in unshielded 10GPlus systems
- Unique 'In-Line' angled port panel facilitates cord routing directly into the vertical side management, saving on space in the rack
- Panels include port numbering and individual preprinted port labeling area

## 24-PORT COLORED INSERT SNAP-IN-JACK PATCH PANELS & ACCESSORIES

- Allows for colored inserts for individual port/service identification
- Comes with black inserts, optional colors sold separately
- Includes detachable rear manager

### Compatibility References:

See pages A29-A30 for patch panel and jack compatibility.

SNAP-IN-JACK PATCH PANELS		
DESCRIPTION	GRAY	BLACK
[A] 1RU 24-Port Modular Inline Panel with Management Bar	MMCPNLX24SIJ8MIL	MMCPNLX24SIJ2MIL
[B] 1RU 48-Port Modular Inline Panel with Management Bar	—	MMCPNLX48SIJ1U2
[C] 1RU 24-Port Modular Staggered Panel	—	MMCPNLX24SIJ2
[D] 1RU 24-Port Modular Staggered Panel with Management Bar	MMCPNLX24SIJ8M-B	MMCPNLX24SIJ2M-B
[E] 1RU 24-Port Modular Angled Panel with Management Bar	—	MMCPNLX24SIJ2MAN

Note: Panels supplied empty, jacks must be purchased separately

## AVAILABLE CABLE MANAGEMENT:

See Section D for product details and ordering information.

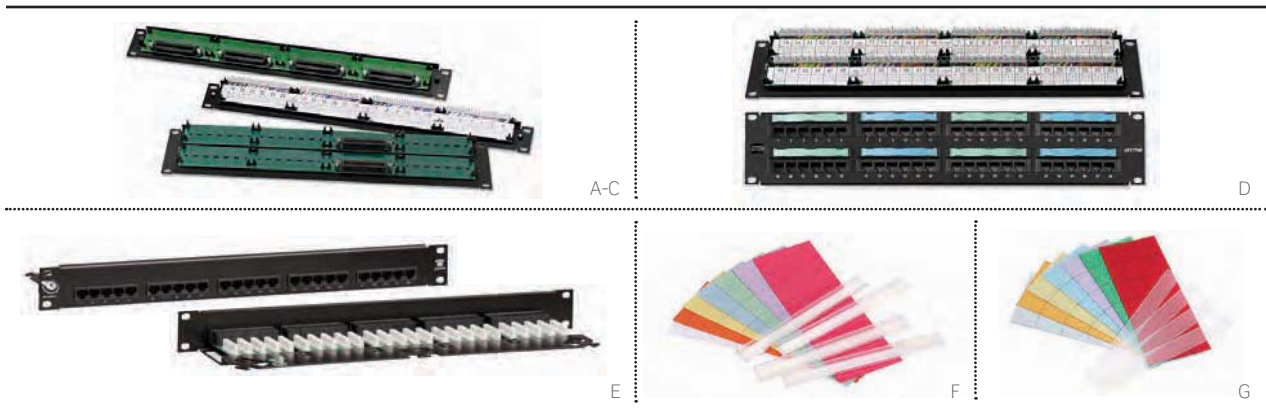
Modular Cable Manager



MMCACCCMSJ8 (gray)  
MMCACCCMSJ2 (black)  
For use with [A-E]

24-PORT COLORED INSERT SNAP-IN-JACK PATCH PANELS		
DESCRIPTION	PART NO.	
[F] 1RU 24-Port Colored Insert Snap-in-Jack Panel, black	MMCPNLX24SIJ2DCI	
1RU 24-Port Colored Insert Snap-in-Jack Panel, gray	MMCPNLX24SIJ8DCI	
[G] Insert with Dust Cover, red	MMCACCINSDC1	
[H] Insert with Dust Cover, black	MMCACCINSDC2	
[I] Insert with Dust Cover, white	MMCACCINSDC3	
[J] Insert with Dust Cover, blue	MMCACCINSDC4	
[K] Insert with Dust Cover, green	MMCACCINSDC5	
[L] Insert with Dust Cover, yellow	MMCACCINSDC6	
Insert with Dust Cover, purple	MMCACCINSDC7	
Insert with Dust Cover, gray	MMCACCINSDC8	
Insert with Dust Cover, orange	MMCACCINSDC9	
Retraction Tool	MMCIRT001	

# PATCH PANELS | Voice-Grade Panels & Labeling Solutions



Patch Panels

COPPER

## VOICE-GRADE 110-STYLE PATCH PANELS

- 110-style or female 25-pair configurations
- Unique label delineates 1-, 2-, 4-, or 25-pair termination options
- 25th pair (violet/slate) is not used in 25-pair style panels
- 8P8C panel supports 10/100BASE-T applications
- Features 25-pair female Amphenol™ RJ-21X connectors

### RJ-21X CONNECTORS PER PATCH PANEL

PART NO.	24-PORT	48-PORT
49012	1	2
49014	2	4
49018	4	8

## VOICE-GRADE LSA-STYLE PATCH PANELS

- Compact 25- and 50-port panels, both in a 1RU footprint
- Suitable for a variety of Private Branch exchange (PBX) systems and direct-line jacks

## PATCH PANEL LABELING SOLUTIONS

- Universal/110-style labeling kits for 12-, 24-, 48-, and 96-port panels
- QuickPort™ kits available for 24- and 48-port panels
- Label holders include adhesive backing

### VOICE-GRADE 110-STYLE PATCH PANELS

DESCRIPTION	1RU 24-PORT	2RU 48-PORT
8P4C Patch Panel, 110 termination, 2 wire-pairs per port	<b>[A]</b> 49013-P24	<b>[D]</b> 49013-P48
8P4C Patch Panel, two 25-pair connectors per 24 ports, 2 wire-pairs per port	49014-J24	<b>[B]</b> 49014-J48
8P2C Patch Panel, one 25-pair connector per 24 ports, 1 wire-pair per port	49012-J24	49012-J48
8P8C Patch Panel, one 25-pair connector per 6 ports (supports 10/100BASE-T), 4 wire-pairs per port	<b>[C]</b> 49018-J24	49018-J48

### VOICE-GRADE LSA-STYLE PATCH PANELS

DESCRIPTION	25-PORT	50-PORT
Voice panel 4 pin wiring, 1RU, UTP, black	<b>[E]</b> C5CPNLU254PK2M	C5CPNLU504PK2M
Voice panel 4 pin wiring, 1RU, UTP, gray	C5CPNLU254PK8M	C5CPNLU504PK8M
Voice panel 6 pin wiring, 1RU, UTP, black	C5CPNLU256PK2M	C5CPNLU506PK2M

### PATCH PANEL LABELING SOLUTIONS

DESCRIPTION	PART NO.
<b>[F]</b> Adhesive Holder and Label Kit for QuickPort™ Patch Panels (supports 24 ports)	49257-QHD
Adhesive Holder and Label Kit for 110-Style Patch Panels (supports 24 ports)	49257-I24
<b>[G]</b> Designation Kit Replacement for 110-Style Patch Panels (supports 24 ports)	69585-IDL

# CROSS CONNECT | 110-Style Wiring Products



## WALL-MOUNT WIRING BLOCK KITS

- Cat 6A 110-style 64-pair block supports high-frequency data signals up to 500 MHz, and is designed to mitigate alien crosstalk (AXT)
- Cat 6 110-style wiring blocks available in 96-pair and 288-pair options
- Cat 5e 110-Style 100-pair blocks kitted with C-4 or C-5 clips

## RACK-MOUNT WIRING BLOCK KITS

- Cat 6 110-Style 96-pair blocks kitted with C-4 clips
- Cat 5e 110-Style 100-pair blocks kitted with C-4 or C-5 clips

## 110-STYLE CONNECTOR CLIPS AND 66 CONNECTING BLOCKS

- Cat 6 and 5e 110-Style connector clips withstand 200 re-terminations
- Cat 5e 110-style clips available in C-4 and C-5
- 50-pair 66 connecting M-block installs individually or in pairs in cross-connect systems
- M-Block Bracket available for connector mounting

CAT 6A 110-STYLE WALL-MOUNT WIRING BLOCK KITS		
DESCRIPTION	64-PAIR	
[A] Cat 6A 110-Style Wiring Block Kit, includes 64-port block with legs, labels, and C-4 clips*	41D6A-1F4	
CAT 6 110-STYLE WIRING BLOCK KITS (WITH C-4 CLIPS)		
DESCRIPTION	96-PAIR	288-PAIR
Cat 6 110-Style Wiring Block Kit, includes block with legs, labels, and C-4 clips*	[B] 41AB6-1F4	[C] 41AB6-3F4
CAT 5E 110-STYLE WALL-MOUNT WIRING BLOCK KITS		
DESCRIPTION	C-4 CLIPS	C-5 CLIPS
Cat 5e 110-Style Wiring Block Kit, includes 100-pair block with legs, labels, and C-4 or C-5 clips.*	41AB2-1F4	[D] 41AB2-1F5
CAT 5E 110-STYLE WIRING BLOCK ACCESSORIES		
DESCRIPTION	PART NO.	
110-Style Horizontal Cord Manager with legs*	[E] 41A10-HCM	

\* =Wall-mount 110-Style wiring block stand-off legs are non-removable.



## CAT 6 110-STYLE WIRING BLOCK KITS (WITH C-4 CLIPS)

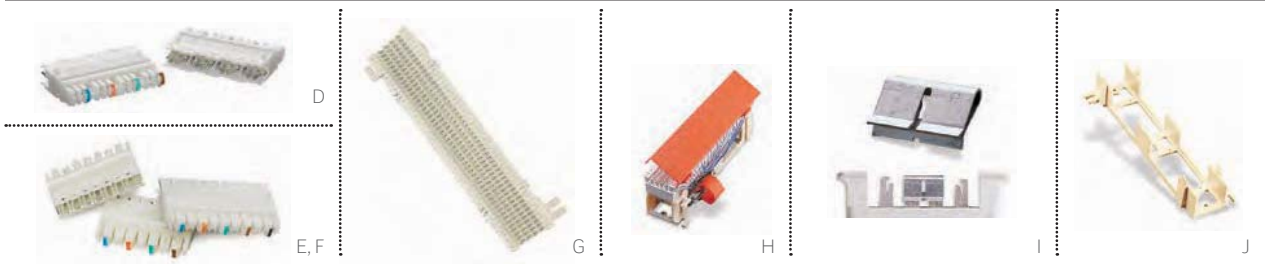
DESCRIPTION	96-PAIR
<b>[A]</b> Cat 6 110-Style Rack Mount Wiring Block Kit, includes 96-pair 1RU panel, labels, and C-4 clips	41DR6-1F4

## CAT 5E 110-STYLE RACK-MOUNT KITS

DESCRIPTION	C-4 CLIPS	C-5 CLIPS
Cat 5e 110-Style Rack Mount Wiring Block Kit, includes 100-pair 1RU panel, labels, and C-4 or C-5 clips	41DBR-1F4	<b>[B]</b> 41DBR-1F5

## RACK-MOUNT MANAGER

DESCRIPTION	PART NO.
<b>[C]</b> Rack-Mount Horizontal Cord Manager	41D1R-HCM



## CAT 6 110-STYLE CONNECTOR CLIPS

DESCRIPTION	PART NO.
<b>[D]</b> Cat 6 C-4 Clips (bag of 10)	69104-IDC

## CAT 5E 110-STYLE CONNECTOR CLIPS

DESCRIPTION	C-4 CLIPS	C-5 CLIPS
Cat 5e 110-Style Connector Clips (bag of 10)	<b>[E]</b> 49104-IDC	<b>[F]</b> 49105-IDC

## 66 CONNECTING BLOCKS

DESCRIPTION	PART NO.
<b>[G]</b> Split M-Block, 50-pair [66M1-50]* 10" H x 3 5/16" W x 1 3/16" D	40066-M50
<b>[H]</b> Connectorized Demarc Block [66M1-50R]* 10" H x 3 13/32" W x 2 3/4" D, female Amphenol™	40066-0MR

## BRIDGING CLIPS

<b>[I]</b> Bridging Clips (SA-1) (50 per package)	40067-0BC
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## BRACKET FOR M-BLOCKS & CONNECTOR MOUNTING

<b>[J]</b> M-Block Bracket for Connector Mounting, [89-D/QuickPort™ blocks]* 10" H x 3 13/32" W x 1 1/2" D	40089-00D
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\* = Numbers in brackets refer to industry product designation.

# PATCH PANELS | QuickPort™ Jack Compatibility

Patch Panel & Jack Compatibility

COPPER

## JACK PANEL COMPATIBILITY

Atlas-X1 and eXtreme QuickPort jacks are compatible with all QuickPort panels, and most Snap-in-Jack panels. For jack and wallplate compatibility, see pages D23-D24.

✓ = Compatible  
 X = Not compatible

		QUICKPORT™ JACKS					
		SHIELDED	UTP				
							
		Atlas-X1™	Atlas-X1	eXtreme™	GigaMax™ Lead-Frame Cat 5e	Audiovisual	
QUICKPORT PANELS	 Flat QuickPort 49255-xxx, 4S255-xxx	✓	✓	✓	✓	✓	✓
	 Angled QuickPort 49256-xxx, 4S256-xxx	✓	✓	✓	✓	✓	✓
	 Recessed & Recessed-Angled QuickPort 49255-R24, 4W256-Hxx	✓	✓	✓	✓	✓	✓
	 VertiGO™ Zero-U, QuickPort 49280-QPx	✓	✓	✓	✓	✓	✓
	 Composite QuickPort C1255-H48	✓	✓	✓	✓	✓	✓
	 e2XHD Empty Cassette E2XHD-BRK	✓	✓	✓	✓	✓	✓
SNAP-IN-JACK PANELS	 Angled Snap-In-Jack Patch Panel MMCPNLX24SJ2MAN	✓	✓	✓	✓	X	X
	 48-Port 1RU Snap-In-Jack Patch Panel MMCPNLX48SJ1U2	X	X	X	X	X	X
	 24-Port In-Line Snap-In-Jack Patch Panel MMCPNLX24SJ2MIL IPSPNLX24SJ2M - SmartPatch Panel	✓	✓	✓	✓	✓	✓
	 24-Port Colored Insert Snap-In-Jack Patch Panel MMCPNLX24SJ2DCI	✓	✓	✓	✓	✓	✓
	 24-Port Staggered Snap-In-Jack Patch Panel MMCPNLX24SJx, MMCPNLX24SJxM-B	✓	✓	✓	✓	✓	✓



# PATCH PANELS | Plus Jack Compatibility

PLUS JACKS			
SHIELDED		UTP	
 Tool-Free 10GPlus, Cat6Plus	 LSA/110 10GPlus, Cat6Plus, GigaPlus	 Tool-Free 10GPlus, Cat6Plus, GigaPlus	 LSA/110 10GPlus, Cat6Plus
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
✓	X	✓	X
✓	X	X	X
✓	X	✓	X
✓	X	✓	X
✓	✓	✓	✓

Patch Panel & Jack Compatibility  
**COPPER**



## FEATURED PRODUCTS

Atlas-X1™ Cat 8 Patch Cords **A32**

# Patch Cords & Pre-Terminated Trunks

Our copper patch cords and pre-terminated trunks are designed to ensure the highest levels of performance, reliability, and longevity whether supporting mission-critical, large enterprise, or small business applications. With factory testing and no need for field terminations, you can reduce installation time by up to 75 percent.



**ATLAS-X1™ CAT 8 PATCH CORDS**

- Part of a complete Atlas-X1 Cat 8 shielded system for 25/40GBASE-T networks
- Provides excellent alien crosstalk suppression and EMI/RFI protection
- Outside diameter of 6.2 mm ensures ease of management
- Dual-listed CMR and LSHF/LSZH materials as standard

**ATLAS-X1™ CAT 6A SLIMLINE BOOT PATCH CORDS**

- Provide exceptional alien crosstalk (AXT) suppression and EMI/RFI protection in Cat 6A channels
- Atlas-X1 Cat 6A cord can be used for UTP or shielded installations
- Cords feature narrow-profile boot for less congestion in high-density applications
- Tested and verified to meet ANSI/TIA-568.2-D component requirements
- Strain-relief boot ensures long-term network performance
- Snagless design prevents tab breakage
- Ergonomic release tab allows for quick and easy connections and disconnects
- Outside diameter of .240 inches is easier to manage
- Supports PoE; see specification sheet for full PoE capabilities

**[A] ATLAS-X1 CAT 8 SHIELDED PATCH CORDS, CMR AND LSHF/LSZH**

0.5 M	1 M	2 M	3 M	4 M	5 M
81Z10-SD5	81Z10-S01	81Z10-S02	81Z10-S03	81Z10-S04	81Z10-S05

All Leviton Cat 8 patch cords are RoHS Compliant. Patch cord jacket color is gray.

**[A] ATLAS-X1 CAT 6A COMPONENT-RATED SLIMLINE BOOT PATCH CORDS, CMR**

DESCRIPTION	WHITE	YELLOW	RED	BLUE	GREEN	GRAY	BLACK
3-Foot Patch Cord	6AS10-03W	6AS10-03Y	6AS10-03R	6AS10-03L	6AS10-03G	6AS10-03S	6AS10-03E
5-Foot Patch Cord	6AS10-05W	6AS10-05Y	6AS10-05R	6AS10-05L	6AS10-05G	6AS10-05S	6AS10-05E
7-Foot Patch Cord	6AS10-07W	6AS10-07Y	6AS10-07R	6AS10-07L	6AS10-07G	6AS10-07S	6AS10-07E
10-Foot Patch Cord	6AS10-10W	6AS10-10Y	6AS10-10R	6AS10-10L	6AS10-10G	6AS10-10S	6AS10-10E
15-Foot Patch Cord	6AS10-15W	6AS10-15Y	6AS10-15R	6AS10-15L	6AS10-15G	6AS10-15S	6AS10-15E
20-Foot Patch Cord	6AS10-20W	6AS10-20Y	6AS10-20R	6AS10-20L	6AS10-20G	6AS10-20S	6AS10-20E

All Leviton Cat 6A patch cords are RoHS Compliant.



**Make to order!** Additional custom lengths available; for assistance please visit [Leviton.com/mto](http://Leviton.com/mto) or call +1 (425) 486 2222.

# PATCH CORDS | Cat 6A Patch Cords

Patch Cords

COPPER



## CAT 6A STRANDED & U/FTP SOLID PATCH CORDS

- Factory-made and tested 26-gauge patch cords offer guaranteed quality and optimum performance
- Compliant with Category 6A and Class EA standards
- Low profile boots for higher density blade connectivity
- Shielded cable type as standard for stranded cords
- LSHF/LSZH materials as standard
- Accepts clip-on coloured boot markers for network identifications
- Designed to have a repeatable, controlled and consistent assembly ensuring optimum performance
- Backwards compatible to Cat 6 and Cat 5e

### [A] CAT 6A S/FTP STRANDED PATCH CORDS

DESCRIPTION	YELLOW	RED	BLUE	GREEN	GRAY
1-Meter Patch Cord	AC6PCG010-688HB	AC6PCG010-188HB	AC6PCG010-488HB	AC6PCG010-588HB	AC6PCG010-888HB
2-Meter Patch Cord	AC6PCG020-688HB	AC6PCG020-188HB	AC6PCG020-488HB	AC6PCG020-588HB	AC6PCG020-888HB
3-Meter Patch Cord	AC6PCG030-688HB	AC6PCG030-188HB	AC6PCG030-488HB	AC6PCG030-588HB	AC6PCG030-888HB
5-Meter Patch Cord	AC6PCG050-688HB	AC6PCG050-188HB	AC6PCG050-488HB	AC6PCG050-588HB	AC6PCG050-888HB

### [B] 10GPLUS CAT 6A U/FTP SOLID PATCH CORDS

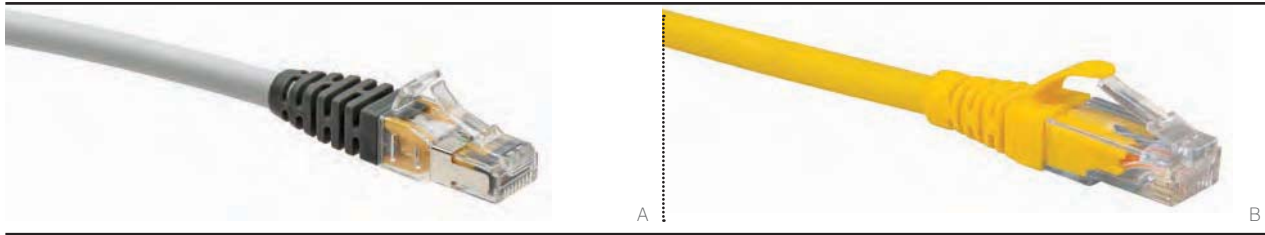
DESCRIPTION	Cca (GREEN)	Dca (BLUE)	Eca (VIOLET)
10GPLUS Cat 6A U/FTP Solid Patch Cord	AC6PCGxx0-588HBSC	AC6PCGxx0-488HBSC	AC6PCGxx0-788HBSC

Note: U/FTP Boots are only available in gray. If boot coloring is required, a Retrofit colored boot clip can be purchased separately.  
xx= length (meters): 10, 20, 30, 40, 50, 60

### [C] RETROFIT PATCH CORD CLIPS

DESCRIPTION	YELLOW	RED	BLUE	GREEN
Retrofit Patch Cord Clip, bag of 100	MMPCCHB006	MMPCCHB001	MMPCCHB004	MMPCCHB005





## CAT 6 S/FTP & U/UTP PATCH CORDS

- Factory-made and tested patch cords offer guaranteed quality and performance
- Low-profile boots for higher density connectivity
- Available in shielded S/FTP and UTP
- Low-smoke halogen-free materials as standard

### [A] CAT 6 S/FTP PATCH CORDS\*

DESCRIPTION	YELLOW	RED	BLUE	GREEN	GRAY
1-Meter Patch Cord	C6CPCS010-688HB	C6CPCS010-188HB	C6CPCS010-488HB	C6CPCS010-588HB	C6CPCS010-888HB
2-Meter Patch Cord	C6CPCS020-688HB	C6CPCS020-188HB	C6CPCS020-488HB	C6CPCS020-588HB	C6CPCS020-888HB
3-Meter Patch Cord	C6CPCS030-688HB	C6CPCS030-188HB	C6CPCS030-488HB	C6CPCS030-588HB	C6CPCS030-888HB
5-Meter Patch Cord	C6CPCS050-688HB	C6CPCS050-188HB	C6CPCS050-488HB	C6CPCS050-588HB	C6CPCS050-888HB

### [B] CAT 6 U/UTP PATCH CORDS

1-Meter Patch Cord	C6CPCU010-666BB	C6CPCU010-111BB	C6CPCU010-444BB	C6CPCU010-555BB	C6CPCU010-888BB
2-Meter Patch Cord	C6CPCU020-666BB	C6CPCU020-111BB	C6CPCU020-444BB	C6CPCU020-555BB	C6CPCU020-888BB
3-Meter Patch Cord	C6CPCU030-666BB	C6CPCU030-111BB	C6CPCU030-444BB	C6CPCU030-555BB	C6CPCU030-888BB
5-Meter Patch Cord	C6CPCU050-666BB	C6CPCU050-111BB	C6CPCU050-444BB	C6CPCU050-555BB	C6CPCU050-888BB

\* On the S/FTP Cords, the boots are only available in Slate Gray. If boot coloring is required, a retrofit colored clip can be purchased separately. See page A36 for Retrofit Patch Cord Clip part numbers. (Brand-Rex ref.-MMCPCHB00z Where z = 1= Red, 4 = Blue 5 = Green 6 =Yellow)

### CAT6PLUS U/UTP SOLID PATCH CORDS

DESCRIPTION	Dca (BLUE)	Eca (VIOLET)
Cat6Plus U/UTP Solid Patch Cord	C6CPCUxx0-488HSD	C6CPCUxx0-788HSE

xx= length (10-90 meters)

## SPOTLIGHT

### Atlas-X1 Cat 8: Built For Demanding Mission Critical Networks



**Category 8 cabling systems** will play a major role in data centers and mission critical environments upgrading to 25/40GBASE-T. Leviton has engineered its Atlas-X1 Category 8 system with additional quality and flexibility to meet these new demanding applications. The Cat 8 system performance has been verified by independent testing labs. It is also the first system to support shielded applications from Category 5e to 8 using the same RJ-45 jack form factor, creating a smart, simple migration path.

Learn more at [Leviton.com/Cat8](http://Leviton.com/Cat8).



# PATCH CORDS | Cat 6 High-Flex Patch Cords

Patch Cords

COPPER



A

## EXTREME™ CAT 6 HIGH-FLEX PATCH CORDS

- Bend radius is a narrow 0.60 inches, versus 1.0 inch for typical Cat 6 patch cords
- Snagless plug design with integrated strain-relief boot
- Dual-rated cable jacket (CM/LSZH)
- Tested and verified to meet ANSI/TIA-568.2-D component requirements
- Supports PoE; see specification sheet for full capabilities

### [A] EXTREME CAT 6 HIGH-FLEX PATCH CORD

DESCRIPTION	WHITE	YELLOW	RED	BLUE	GREEN	GRAY	BLACK
0.5-Foot Patch Cord*	6H460-6IW	6H460-6IY	—	6H460-6IL	—	6H460-6IS	—
1-Foot Patch Cord*	6H460-01W	6H460-01Y	6H460-01R	6H460-01L	6H460-01G	6H460-01S	6H460-01E
2-Foot Patch Cord*	6H460-02W	6H460-02Y	6H460-02R	6H460-02L	6H460-02G	6H460-02S	6H460-02E
3-Foot Patch Cord	6H460-03W	6H460-03Y	6H460-03R	6H460-03L	6H460-03G	6H460-03S	6H460-03E
4-Foot Patch Cord*	6H460-04W	6H460-04Y	6H460-04R	6H460-04L	6H460-04G	6H460-04S	6H460-04E
5-Foot Patch Cord	6H460-05W	6H460-05Y	6H460-05R	6H460-05L	6H460-05G	6H460-05S	6H460-05E
6-Foot Patch Cord*	6H460-06W	6H460-06Y	6H460-06R	6H460-06L	6H460-06G	6H460-06S	6H460-06E
7-Foot Patch Cord	6H460-07W	6H460-07Y	6H460-07R	6H460-07L	6H460-07G	6H460-07S	6H460-07E
8-Foot Patch Cord*	6H460-08W	6H460-08Y	6H460-08R	6H460-08L	6H460-08G	6H460-08S	6H460-08E
9-Foot Patch Cord*	6H460-09W	6H460-09Y	6H460-09R	6H460-09L	6H460-09G	6H460-09S	6H460-09E
10-Foot Patch Cord	6H460-10W	6H460-10Y	6H460-10R	6H460-10L	6H460-10G	6H460-10S	6H460-10E
11-Foot Patch Cord*	6H460-11W	6H460-11Y	6H460-11R	6H460-11L	6H460-11G	6H460-11S	6H460-11E
12-Foot Patch Cord*	6H460-12W	6H460-12Y	6H460-12R	6H460-12L	6H460-12G	6H460-12S	6H460-12E
13-Foot Patch Cord*	6H460-13W	6H460-13Y	6H460-13R	6H460-13L	6H460-13G	6H460-13S	6H460-13E
14-Foot Patch Cord*	6H460-14W	6H460-14Y	6H460-14R	6H460-14L	6H460-14G	6H460-14S	6H460-14E
15-Foot Patch Cord*	6H460-15W	6H460-15Y	6H460-15R	6H460-15L	6H460-15G	6H460-15S	6H460-15E
16-Foot Patch Cord*	6H460-16W	6H460-16Y	6H460-16R	6H460-16L	6H460-16G	6H460-16S	6H460-16E
17-Foot Patch Cord	6H460-17W	6H460-17Y	6H460-17R	6H460-17L	6H460-17G	6H460-17S	6H460-17E
18-Foot Patch Cord*	6H460-18W	6H460-18Y	6H460-18R	6H460-18L	6H460-18G	6H460-18S	6H460-18E
19-Foot Patch Cord*	6H460-19W	6H460-19Y	6H460-19R	6H460-19L	6H460-19G	6H460-19S	6H460-19E
20-Foot Patch Cord*	6H460-20W	6H460-20Y	6H460-20R	6H460-20L	6H460-20G	6H460-20S	6H460-20E

\* = Non-stocked length, lead times may apply.

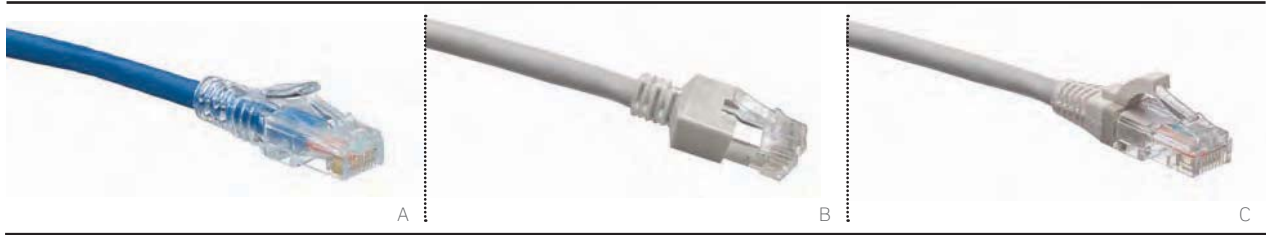
### SPOTLIGHT

### Leviton eXtreme™ Cat 6 High-Flex Patch Cords

Leviton eXtreme Cat 6 High-Flex Patch Cords reduce patch cord density in a 24-port patch panel by 38% when compared to typical Cat 6 patch cords. These versatile cables support high-speed data applications, are Power over Ethernet compatible, and are tested and verified to meet ANSI/TIA-568.2-D component requirements.

The snagless plug design with integrated strain-relief boot, narrow 0.60 bend radius, and dual-rated cable jacket (CM/LSZH) offer flexible patching and superior performance for high-density switches, routers, and other electronics.





## CAT 5E SLIMLINE-BOOT UTP PATCH CORDS

- Narrow-profile boot reduces congestion in high-density applications

## CAT 5E STANDARD UTP PATCH CORDS

- Matching color cords and boots

## CAT 5E F/UTP & U/UTP PATCH CORDS

- Factory-made and tested patch cords offer guaranteed quality and performance
- Low-profile boots for higher density connectivity
- Available in shielded and UTP
- Available in a variety of lengths and colors

### CAT 5E UTP & SHIELDED COMPONENT-RATED SLIMLINE-BOOT PATCH CORDS

DESCRIPTION	PART NO.
Atlas-X1 Cat 5e UTP Component-Rated SlimLine-Boot Patch Cord, CM (PVC) (country of origin: USA)	5D560-xx*
<b>[A]</b> eXtreme Cat 5e UTP Component-Rated Slimline-Boot Patch Cord, CM (PVC)	5D460-xx*
GigaMax™ Cat 5e UTP Channel-Rated Standard Patch Cord, CM (PVC)	5G460-xx*

xx = Length in feet

\* = Color: White (W), Yellow (Y), Blue (L), Green (G), Gray (S)

### [B] CAT 5E F/UTP PATCH CORDS

DESCRIPTION	YELLOW	RED	BLUE	GREEN	GRAY
1-Meter Patch Cord	GPCPCF010-666H	GPCPCF010-111H	GPCPCF010-444H	GPCPCF010-555H	GPCPCF010-888H
2-Meter Patch Cord	GPCPCF020-666H	GPCPCF020-111H	GPCPCF020-444H	GPCPCF020-555H	GPCPCF020-888H
3-Meter Patch Cord	GPCPCF030-666H	GPCPCF030-111H	GPCPCF030-444H	GPCPCF030-555H	GPCPCF030-888H
5-Meter Patch Cord	GPCPCF050-666H	GPCPCF050-111H	GPCPCF050-444H	GPCPCF050-555H	GPCPCF050-888H

### [C] CAT 5E U/UTP PATCH CORDS

1-Meter Patch Cord	GPCPCU010-666HB	GPCPCU010-111HB	GPCPCU010-444HB	GPCPCU010-555HB	GPCPCU010-888HB
2-Meter Patch Cord	GPCPCU020-666HB	GPCPCU020-111HB	GPCPCU020-444HB	GPCPCU020-555HB	GPCPCU020-888HB
3-Meter Patch Cord	GPCPCU030-666HB	GPCPCU030-111HB	GPCPCU030-444HB	GPCPCU030-555HB	GPCPCU030-888HB
5-Meter Patch Cord	GPCPCU050-666HB	GPCPCU050-111HB	GPCPCU050-444HB	GPCPCU050-555HB	GPCPCU050-888HB



# PATCH CORDS | CP Cords

Patch Cords

COPPER

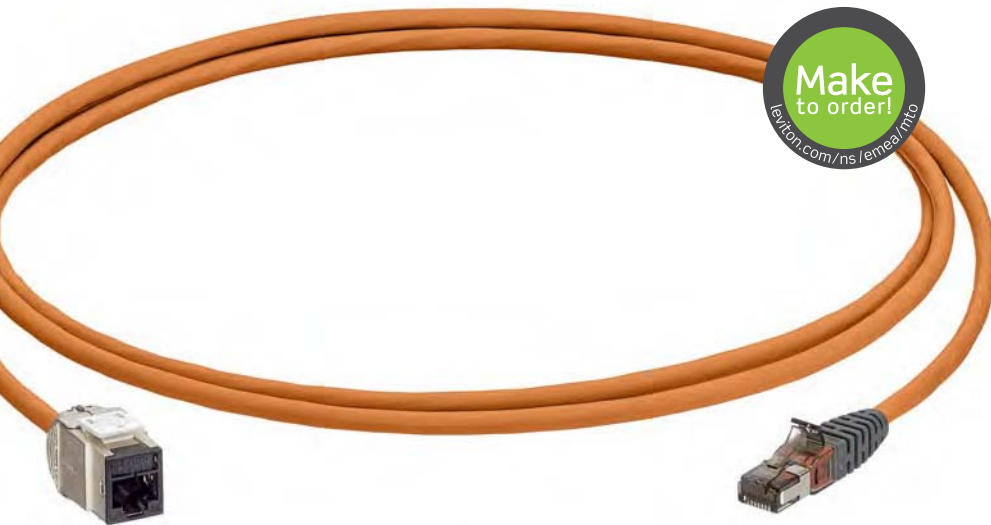
## PRE-TERMINATED COPPER CP CORDS

- Custom configured for length, jack type, and more
- Available with Atlas-X1 or eXtreme jacks
- 100% factory tested, with test results available

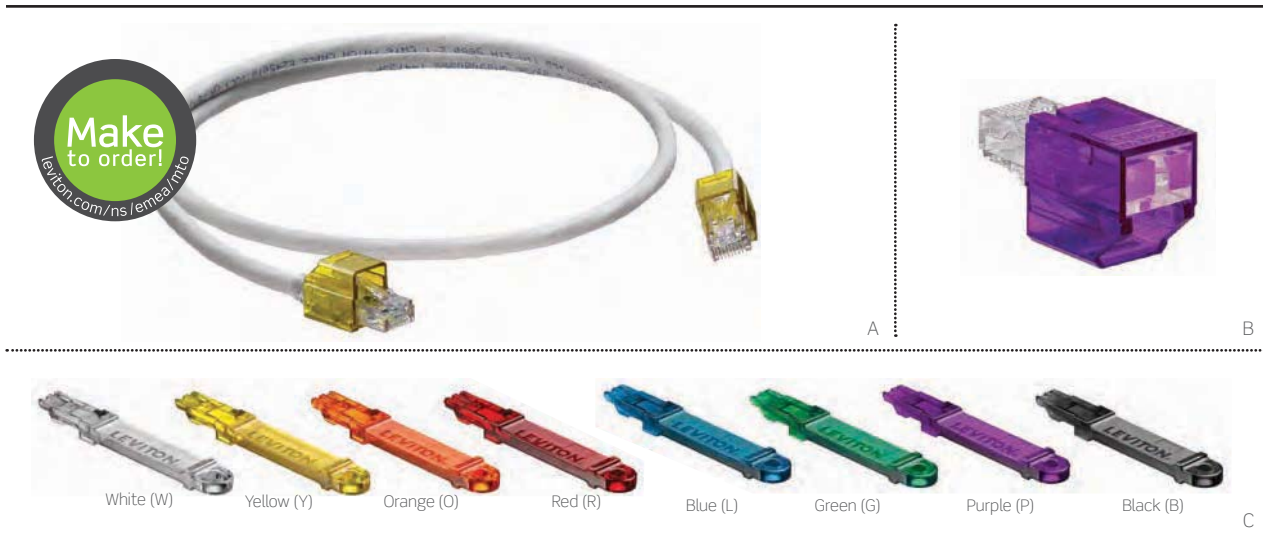
Atlas-X1 Jacks available with or without internal shutters

Make-to-Order!		PRE-TERMINATED COPPER CP CORDS		
	CORD TYPE	CABLE LENGTH	CABLE COLOR	LABELING
Atlas-X1™	Cat 6A U/FTP Zone B2ca	2 - 50 meters	Orange	Standard, Custom
	Cat 6A U/FTP Zone Cca		Green	
	Cat 6A U/FTP Zone Dca		Blue	
	Cat 6A U/FTP Zone Eca		Violet	
	Cat 6A S/FTP B2ca		Orange	
	Cat 6A S/FTP Cca		Green	
	Cat 6A S/FTP Dca		Blue	
	Cat 6A S/FTP Eca		Violet	
	CORD TYPE	CABLE LENGTH	CABLE COLOR	LABELING
eXtreme™	Cat 6 U/UTP B2ca	2 - 50 meters	Orange	Standard, Custom
	Cat 6 U/UTP Cca		Green	
	Cat 6 U/UTP Dca		Blue	
	Cat 6 U/UTP Eca		Violet	

For assistance customizing your trunks, please visit [Leviton.com/ns/emea/mto](http://Leviton.com/ns/emea/mto) or call +44 (0) 1592 778494.



Cat 6A S/FTP B2ca Copper CP Cord



## SECURE RJ SYSTEM

- Compatible with industry-standard RJ ports in most network equipment, devices, patch panels, and work area outlets
- Same-color extraction tool disengages color-matched patch cords and port blockers
- Transparent housing allows color coding without blocking visibility to link/status LEDs on electronic equipment
- Port blocker prevents unauthorized network connection and protects open, unused ports

### SECURE RJ SYSTEM

DESCRIPTION	PART NO.
<b>[A]</b> Cat 6 SlimLine Boot Patch Cord, with Secure RJ housing on both ends (Country of Origin: USA)	SRJ6 <sup>+</sup> -xx*
<b>[B]</b> Secure RJ Port Blocker, pack of 12	SRJPB-00 <sup>+</sup>
<b>[C]</b> Secure RJ Extraction Tool, pack of 1	SRJET-00 <sup>+</sup>

xx = Length: Table below defines available lengths. Minimum orders and extended lead time may apply. Contact Inside Sales at +1 (425) 486 2222 for more details.  
 + = Patch cord housing, port blocker, and extraction tool colors: Choose from the transparent colors shown in (C) above.  
 \* = Patch cord jacket colors: Choose from the colors below.



### Make-to-Order! SECURE RJ PATCH CORD OPTIONS

CATEGORY	CABLE RATING	CABLE COLOR	CABLE LENGTH	SECURE HOUSING COLOR	SECURE HOUSING PLACEMENT
Cat 6A FTP	CM (PVC)	White, Yellow, Red, Blue, Green, Gray, Black	3-72 ft (1-22 m)	White, Yellow, Red, Blue, Green, Purple, Black, Orange	Both Ends or One End
Cat 6 UTP	CM (PVC)	White, Yellow, Red, Blue, Green, Gray, Black	1-72 ft	White, Yellow, Red, Blue, Green, Purple, Black, Orange	Both Ends or One End

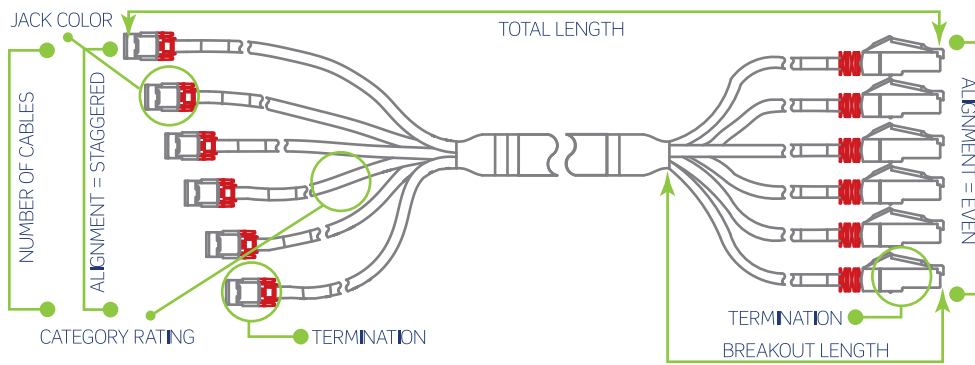
All patch cords utilize stranded cable.

# PRE-TERMINATED TRUNKS | Make-to-Order

## PRE-TERMINATED TRUNK BREAKOUT & ALIGNMENT OPTIONS

Choose from five different alignments, or call +44 (0) 1592 778494 to discuss options. e2XHD Copper Trunks will always have an even alignment on the cassette end(s).

	MINIMUM BREAKOUT LENGTHS	ALIGNMENT OPTIONS
Copper Trunks	<ul style="list-style-type: none"> <li>50cm minimum</li> </ul>	<ul style="list-style-type: none"> <li>Even</li> <li>Stagger cable 1 shortest</li> <li>Stagger cable 1 longest</li> <li>Stagger in pairs, cable 1 longest</li> <li>Stagger in pairs, cable 1 shortest</li> </ul>
e2XHD Copper Trunks	<ul style="list-style-type: none"> <li>50cm minimum</li> </ul>	<ul style="list-style-type: none"> <li>Even</li> </ul>



### RECOMMENDED APPLICATIONS:

- Data Center Cabinets
- Telecommunications Racks
- Quick Network Deployment

## PRE-TERMINATED COPPER TRUNKS

- Custom configured for length, jack type, and more
- Fast and easy installation with reduced labor costs
- 100% factory tested, with test results available
- Cat 6A trunks all use component-rated jacks, which provide guaranteed performance in short lengths
- Customized breakout length improves installation flexibility and appearance
- Optional pulling eye protects jacks and eases installation
- Pre-terminated assemblies are eligible for limited product, system, and performance warranties

Make-to-Order!		PRE-TERMINATED COPPER TRUNK OPTIONS			
CABLE TYPE	# OF CABLES	CABLE LENGTH	CABLE COLOR*	INDIVIDUAL JACK COLOR	TERMINATION OPTIONS
Cat 6A U/FTP Zone B2ca	6 or 12	3 - 90 meters	Orange	Black, Blue and White	Jack, Plug and Open
Cat 6A U/FTP Zone Cca			Green		
Cat 6A U/FTP Zone Eca			Violet		
Cat 6A U/FTP B2ca			Orange		
Cat 6A U/FTP Cca			Green		
Cat 6A U/FTP Eca			Violet		
Cat 6A S/FTP B2ca			Orange		
Cat 6A S/FTP Cca			Green		
Cat 6A S/FTP Eca			Violet		



**E2XHD COPPER TRUNKS**

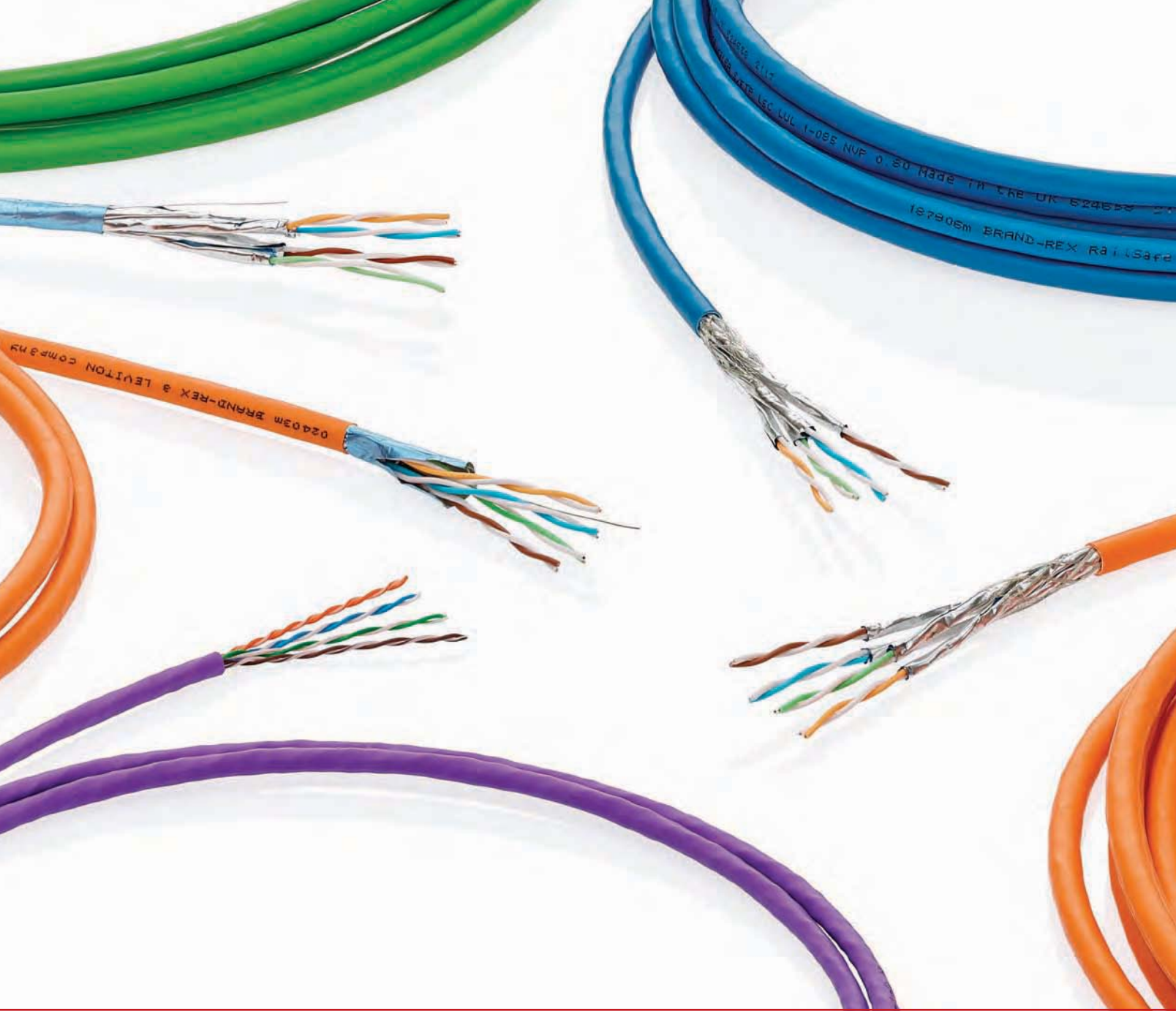
- e2XHD cassettes terminated to trunks in Cat 6A work exclusively with e2XHD Flat or Angled patch panels (see page A20)
- Available with Atlas-X1™ jacks
- Custom configured for length, jack type, and more
- Fast and easy installation with reduced labor costs
- 100% factory tested, with test results available
- Cat 6A trunks all use component-rated jacks, which provide guaranteed performance in short lengths

Make-to-Order!		e2XHD COPPER TRUNK ASSEMBLY OPTIONS			
CABLE TYPE	# OF CABLES	CABLE LENGTH	CABLE COLOR	INDIVIDUAL CONNECTOR COLOR	TERMINATION OPTIONS
Cat 6A U/FTP Zone B2ca	6	3 - 90 meters	Orange	Black, Blue and White	Jack, Plug, Open and Cassette
Cat 6A U/FTP Zone Cca			Green		
Cat 6A U/FTP Zone Eca			Violet		
Cat 6A U/FTP B2ca			Orange		
Cat 6A U/FTP Cca			Green		
Cat 6A U/FTP Eca			Violet		
Cat 6A S/FTP B2ca			Orange		
Cat 6A S/FTP Cca			Green		
Cat 6A S/FTP Eca			Violet		

For assistance customizing your trunks, please visit [Leviton.com/ns/emea/mto](http://Leviton.com/ns/emea/mto) or call +44 (0) 1592 778494.

Trunk cable with e2XHD cassettes



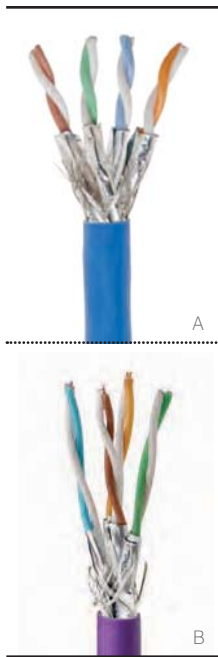


FEATURED  
PRODUCTS

Cat 8 Cables **A42**

## Copper Cables

Leviton offers best-in-class copper cables that are tested to exceed industry standards. From Category 8 cable for the latest 40 Gb/s data center networks to flexible and reliable cable for Gigabit enterprise applications, we have the ideal cabling solution for all types of demanding networks.



## ATLAS-X1™ CAT 8 SHIELDED CABLE

- 22-gauge construction
- Mylar™ tape and aluminum shield provide a high level of security for sensitive networks
- Available in IEC 60332-1 flame rating
- Complies with ISO/IEC 11801, IEC 61156-5, EN 50173-1, EN 50288-11-1, and EN 50575:2014
- Supports PoE; see specification sheet for full capabilities
- Supports 25/40GBASE-T networks

**Atlas-X1 Cat 8**  
See page A8 and A34 for more information about Atlas-X1 Cat 8 solutions.

## CAT 6A SHIELDED CABLES

- Mylar tape and aluminum shield provide a high level of security for sensitive networks
- Lower bit errors, resulting in increased network performance
- Independently tested and verified to meet ANSI/TIA Cat 6A and ISO 11801 Class E<sub>A</sub> performance
- Complies with ISO/IEC 11801, IEC 61156-5, EN 50173-1, EN 50288-10-1, and EN 50575:2014 (EuroClass)
- Available in IEC 60332-1-2 and 60332-3-24 flame ratings
- Supports PoE; see specification sheet for full capabilities

### [A] ATLAS-X1 CAT 8 CABLES (EUROCLASS DCA)

DESCRIPTION	PART NO.	
Cat 8 S/FTP Cable, CMR and LSHF/LSZH, blue, 500 m reel	126-SFS8D-5LS	—

### [B] CAT 6A S/FTP CABLES (EUROCLASS ECA)

Cat 6A S/FTP Cable, LSHF/LSZH, violet, 500 m reel	129-SFTAZ-5VS	AC6S/FTP-HF1-Eca-500VT
Cat 6A S/FTP Cable, LSHF/LSZH, violet, 1000 m reel	—	AC6S/FTP-HF1-Eca-1000VT
Cat 6A S/FTP Cable, LSHF/LSZH, violet, duplex, 500 m reel	—	AC6S/FTP-HF1-Eca-D500VT

### CAT 6A F/FTP CABLES (EUROCLASS ECA)

Cat 6A F/FTP Cable, LSHF/LSZH, violet, 500 m reel	AC6F/FTP-HF1-Eca-500VT	AC6F/FTP-HF1-Eca-1000VT
Cat 6A F/FTP Cable, LSHF/LSZH, violet, duplex, 1000 m reel	AC6F/FTP-HF1-Eca-D500VT	—

### CAT 6A U/FTP CABLES (EUROCLASS ECA)

Cat 6A U/FTP Cable, LSHF/LSZH, violet, 500 m reel	129-UFP AZ-5VS	AC6U/FTP-HF1-Eca-500VT
Cat 6A U/FTP Cable, LSHF/LSZH, violet, 1000 m reel	—	AC6U/FTP-HF1-Eca-1000VT
Cat 6A U/FTP Cable, LSHF/LSZH, violet, duplex, 500 m reel	—	AC6U/FTP-HF1-Eca-D500VT

### CAT 6A U/FTP ZONE CABLES (EUROCLASS ECA)

Cat 6A U/FTP Zone Cable, LSHF/LSZH, violet, 305 m Reel Box	—	AC6-DCZ-Eca-Rlx-305VT
Cat 6A U/FTP Zone Cable, LSHF/LSZH, violet, 500 m reel	—	AC6-DCZ-Eca-500VT
Cat 6A U/FTP Zone Cable, LSHF/LSZH, violet, 100 m reel	—	AC6-DCZ-Eca-1000VT

Other cable colors and EuroClasses are available. Please contact your local Leviton representative.



## ATLAS-X1™ CAT 6A UTP LEVITON PATENTED NOISE-CANCELING HELIX TECHNOLOGY CABLE

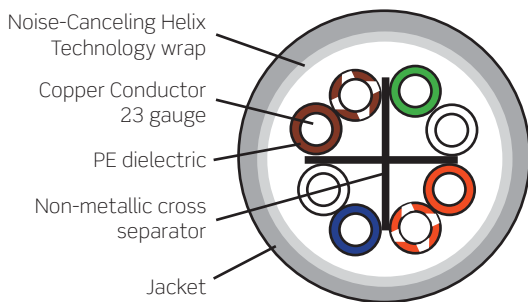
- Patented Leviton design provides superior alien crosstalk (AXT) suppression
- Small cable OD (7.3 mm LSHF/LSZH) increases pathway capacity and improves airflow to critical active equipment
- UTP cable eliminates the need for grounding and bonding
- Smaller, lighter, and more flexible, saving time during installation and reducing labor costs
- Third-party verified to support short channels (9.14 meters)
- Independently tested and verified to meet ANSI/TIA Cat 6A and ISO 11801 Class E<sub>A</sub> performance
- Available in IEC 60332-1 and IEC 60332-3 ratings
- Supports PoE; see specification sheet for full PoE capabilities

### [A] ATLAS-X1 CAT 6A LEVITON PATENTED NOISE-CANCELING HELIX TECHNOLOGY CABLE

DESCRIPTION	PART NO.
Cat 6A U/UTP Cable, LSHF/LSZH, blue, 305 m spool	100-DUTAZ-MLS
Cat 6A U/UTP Cable, LSHF/LSZH, gray, 305 m spool	101-DUTAZ-MSS
Cat 6A U/UTP Cable, LSHF/LSZH, white, 305 m spool	102-DUTAZ-MWS
Cat 6A U/UTP Cable, LSHF/LSZH, IEC 60332-3-25, blue, 305 m spool	100-DUTA3-MLS
Cat 6A U/UTP Cable, LSHF/LSZH, IEC 60332-3-25, gray, 305 m spool	101-DUTA3-MSS
Cat 6A U/UTP Cable, CMP, blue, 305 m reel	110-DUTAP-MLS
Cat 6A U/UTP Cable, CMP, white, 305 m reel	112-DUTAP-MWS
Cat 6A U/UTP Cable, CMR, blue, 305 m reel	100-DUTAR-MLS
Cat 6A U/UTP Cable, CMR, white, 305 m reel	102-DUTAR-MWS

Other cable colors and EuroClasses are available. Please contact your local Leviton representative.

## SPOTLIGHT Patented Noise-Canceling Helix Technology



**Atlas-X1™ Cat 6A UTP** cable features Leviton patented Noise-Canceling Helix Technology (NcHT) for superior alien crosstalk (AXT) suppression. This innovative NcHT isolation wrap also eliminates the need for grounding and bonding, saving time during installation and significantly reducing labor costs.

With a small outside diameter (7.3 mm, LSHF/LSZH), the Atlas-X1 Cat 6A UTP cable increases pathway capacity and improves airflow to critical active equipment. The cable is also lighter than most other Cat 6A UTP cable on the market, creating less strain on pathways and making installations easier than ever. See the following page for details.



**EXTREME™ CAT 6A UTP CABLES**

- Independently tested and verified to meet ANSI/TIA Cat 6A and ISO 11801 Class E<sub>A</sub> performance
- Provides bandwidth required for multimedia, video, and other future applications
- Complies with ISO/IEC 11801, IEC 61156-5, EN 50173-1, EN 50288-11-1, and EN 50575:2014 (EuroClass)
- Available in IEC 60332-1 flame rating
- Supports PoE; see specification sheet for full PoE capabilities



**CAT 6A UTP CABLES**

- Independently tested and verified to meet ANSI/TIA Cat 6A and ISO 11801 Class E<sub>A</sub> performance
- Central Cross Filler for increased internal crosstalk suppression
- Complies with ISO/IEC 11801, IEC 61156-5, EN 50173-1, EN 50288-11-1 and EN 50575:2014 (EuroClass)
- LSHF/LSZH cables comply with IEC 60332-1-2, IEC 60754-1, IEC 60754-2, and IEC 61034-2
- Supports PoE; see specification sheet for full PoE capabilities

**[A] EXTREME CAT 6A U/UTP CABLES**

DESCRIPTION	PART NO.
Cat 6A U/UTP Cable, LSHF/LSZH, blue, 305 m spool	203-UTCAZ-MLS
Cat 6A U/UTP Cable, LSHF/LSZH, gray, 305 m spool	205-UTCAZ-MSS
Cat 6A U/UTP Cable, LSHF/LSZH, blue, NcHT, 305 m spool	180-UTPAZ-MLS
Cat 6A U/UTP Cable, LSHF/LSZH, white, NcHT, 305 m spool	182-UTPAZ-MWS
Cat 6A U/UTP Cable, CMP, gray, 305 m reel	111-EUTAP-MSS
Cat 6A U/UTP Cable, CMP, white, 305 m reel	112-EUTAP-MWS
Cat 6A U/UTP Cable, CMR, blue, COO: USA, 305 m reel	110-EUTAR-MLS
Cat 6A U/UTP Cable, CMR, gray, COO: USA, 305 m reel	111-EUTAR-MSS
Cat 6A U/UTP Cable, CMR, white, COO: USA, 305 m reel	112-EUTAR-MWS
Cat 6A U/UTP Cable, CMR, blue, 305 m reel	200-UTPAR-MLS
Cat 6A U/UTP Cable, CMR, gray, 305 m reel	201-UTPAR-MSS

**[B] CAT 6A U/UTP CABLES (EUROCLASS ECA)**

Cat 6A U/UTP Cable, LSHF/LSZH, violet, 500 m reel	AC6U-HF1-Eca-500VT
Cat 6A U/UTP Cable, LSHF/LSZH, violet, 1000 m reel	AC6U-HF1-Eca-1000VT

Other cable colors and EuroClasses are available. Please contact your local Leviton representative.

**SPOTLIGHT**

**Connect Mission-Critical Networks with Atlas-X1™**



Atlas-X1 jacks feature an innovative wire manager that helps support fast, tool-free termination, reducing installation time. And all Atlas-X1 jacks feature the same termination process across Cat 5e, 6, 6A, and 8 cabling systems.

The jack is ideal for deployment in mission-critical networks, with a solid metal body that provides unparalleled durability in both UTP and shielded versions, and patented Retention Force Technology™ (RFT) that prevents tine damage and increases system longevity. **Jacks are shown on page A8.**





## CAT 6 SHIELDED CABLES

- Mylar™ tape and aluminum shield offers increased signal isolation, preventing contaminant noise from entering system
- Optimal support for Gigabit Ethernet
- Reduces signal emissions for secure transmissions
- Independently tested and verified to exceed ANSI/TIA-568.2-D Cat 6, IEEE 802.3an 1000BASE-T, and ISO/IEC 11801 Class E standards
- Complies with ISO/IEC 11801, IEC 61156-5, EN 50173-1, EN 50288-5-1, and EN 50575:2014 (EuroClass)
- Available in IEC 60332-1-2 and 60332-3-24 flame ratings
- Supports PoE; see specification sheet for full PoE capabilities

### CAT 6 S/FTP CABLES (EUROCLASS ECA)

DESCRIPTION		PART NO.
Cat 6 S/FTP Cable, LSHF/LSZH, violet, 500 m reel	—	C6S/FTP-HF1-Eca-500VT
Cat 6 S/FTP Cable, LSHF/LSZH, violet, 1000 m reel	—	C6S/FTP-HF1-Eca-1000VT
Cat 6 S/FTP Cable, LSHF/LSZH, violet, duplex, 500 m reel	—	C6S/FTP-HF1-Eca-D500VT

### CAT 6 F/FTP CABLES (EUROCLASS ECA)

Cat 6 F/FTP Cable, LSHF/LSZH, violet, 500 m reel	—	C6F/FTP-HF1-Eca-500VT
Cat 6 F/FTP Cable, LSHF/LSZH, violet, 1000 m reel	—	C6F/FTP-HF1-Eca-1000VT
Cat 6 F/FTP Cable, LSHF/LSZH, violet, duplex, 500 m reel	—	C6F/FTP-HF1-Eca-D500VT

### CAT 6 U/FTP CABLES (EUROCLASS ECA)

Cat 6 U/FTP Cable, LSHF/LSZH, violet, 305 m Reelex Box	—	C6U/FTP-HF1-Eca-305VT
Cat 6 U/FTP Cable, LSHF/LSZH, violet, 500 m reel	—	C6U/FTP-HF1-Eca-500VT
Cat 6 U/FTP Cable, LSHF/LSZH, violet, 1000 m reel	—	C6U/FTP-HF1-Eca-1000VT
Cat 6 U/FTP Cable, LSHF/LSZH, violet, duplex, 500 m reel	—	C6U/FTP-HF1-Eca-D500VT

### [A] CAT 6 F/UTP CABLE (EUROCLASS ECA)

Cat 6 F/UTP Cable, LSHF/LSZH, violet, 305 m Reelex Box	125-FTP6Z-MVB	C6F/UTP-HF1-Eca-Rlx-305VT
Cat 6 F/UTP Cable, LSHF/LSZH, violet, 500 m reel	129-FTP6Z-5VS	C6F/UTP-HF1-Eca-500VT
Cat 6 F/UTP Cable, LSHF/LSZH, violet, 1000 m reel	—	C6F/UTP-HF1-Eca-1000VT
Cat 6 F/UTP Cable, LSHF/LSZH, violet, duplex, 500 m reel	—	C6F/UTP-HF1-Eca-D500VT

Other cable colors and EuroClasses are available. Please contact your local Leviton representative.



## CAT 6 UTP CABLES

- Meets ANSI/TIA-568.2-D and ISO/IEC 11801 Class E standards
- Optimum support for Gigabit Ethernet
- IEC 60332-1 (LSHF/LSZH) flame rated
- Supports IEEE 802.3: 1000BASE-T (Gigabit Ethernet), 100BASE-T (fast Ethernet), and 10BASE-T applications
- Complies with ISO/IEC 11801, IEC 61156-5, EN 50173-1, EN 50288-6-1, and EN 50575:2014 (EuroClass)
- Includes non-metallic cross separator, allowing for stronger signal strength and less vulnerability to noise interference
- Supports PoE; see specification sheet for full PoE capabilities

### [A] CAT 6 U/UTP CABLES

DESCRIPTION	PART NO.	
Cat 6 U/UTP Cable, LSHF/LSZH, violet, 305 m Reelex Box	125-UTP6Z-MVB	C6U-HF1-Eca-Rlx-305VT
Cat 6 U/UTP Cable, LSHF/LSZH, blue, 305 m Reelex Box	120-UTP6Z-MLB	—
Cat 6 U/UTP Cable, LSHF/LSZH, gray, 305 m Reelex Box	121-UTP6Z-MSB	—
Cat 6 U/UTP Cable, LSHF/LSZH, white, 305 m Reelex Box	122-UTP6Z-MWB	—
Cat 6 U/UTP Cable, LSHF/LSZH, violet, 500 m reel	129-UTP6Z-5VS	C6U-HF1-Eca-500VT
Cat 6 U/UTP Cable, LSHF/LSZH, violet, 1000 m reel	—	C6U-HF1-Eca-1000VT
Cat 6 U/UTP Cable, LSHF/LSZH, violet, duplex, 500 m reel	—	C6U-HF1-Eca-D500VT

### CAT 6 U/UTP CABLES (EXTERNAL POLYETHYLENE SHEATH)

Cat 6 U/UTP External Cable, LSHF/LSZH, black, 500 m reel	—	C6U-HF1-X-500BK
Cat 6 U/UTP External Cable, LSHF/LSZH, black, 1000 m reel	—	C6U-HF1-X-1000BK

### ATLAS-X1™ CAT 6 CABLE

Cat 6 U/UTP Cable, CMP, blue, 305 m Reel-in-Box	110-EUT6P-MLB	—
Cat 6 U/UTP Cable, CMP, gray, 305 m Reel-in-Box	111-EUT6P-MSB	—
Cat 6 U/UTP Cable, CMP, white, 305 m Reel-in-Box	112-EUT6P-MWB	—
Cat 6 U/UTP Cable, CMR, blue, 305 m Reel-in-Box	110-EUT6R-MLB	—
Cat 6 U/UTP Cable, CMR, gray, 305 m Reel-in-Box	111-EUT6R-MSB	—
Cat 6 U/UTP Cable, CMR, white, 305 m Reel-in-Box	112-EUT6R-MWB	—

### EXTREME™ CAT 6 CABLE

Cat 6 U/UTP, CMP, blue, 305 m Reel-in-Box	310-UTP6P-MLB	—
Cat 6 U/UTP, CMP, white, 305 m Reel-in-Box	312-UTP6P-MWB	—
Cat 6 U/UTP, CMR, blue, 305 m Reel-in-Box	104-UTP6R-MLB	—
Cat 6 U/UTP, CMR, gray, 305 m Reel-in-Box	105-UTP6R-MSB	—
Cat 6 U/UTP, CMR, white, 305 m Reel-in-Box	106-UTP6R-MWB	—

Other cable colors and EuroClasses are available. Please contact your local Leviton representative.

# CABLE | Cat 5e Shielded Cables



A

## CAT 5E SHIELDED CABLES

- Mylar™ tape and aluminum shield reduces signal interference problems in areas of high EMI
- Supports 10BASE-T, 100BASE-T, and 1000BASE-T Ethernet
- Independently tested and verified to exceed ANSI/TIA-568.2-D Cat 5e, IEEE 802.3 1000 BASE-T, and ISO/IEC 11801 Class D standards
- Complies with ISO/IEC 11801, IEC 61156-5, EN 50173-1, EN 50288-11-1, and EN 50575:2014 (EuroClass)
- Available in IEC 60332-1 flame rating
- Supports PoE; see specification sheet for full PoE capabilities

## CAT 5E F/UTP CABLES (EUROCLASS ECA)

DESCRIPTION	PART NO.
Cat 5e F/UTP Cable, LSHF/LSZH, violet, 500 m reel	GPF-HF1-Eca-500VT
Cat 5e F/UTP Cable, LSHF/LSZH, violet, 1000 m reel	GPF-HF1-Eca-1000VT
Cat 5e F/UTP Cable, LSHF/LSZH, violet, duplex, 500 m reel	GPF-HF1-Eca-D500VT

Other cable colors and EuroClasses are available. Please contact your local Leviton representative.

## SPOTLIGHT

### Extensive Selection of Cat 5e Connectivity

Our Cat 5e connectivity supports 1000BASE-T performance for high-bandwidth applications. With UTP and shielded options, connectors that don't require punchdown tools to terminate, a wide range of patch panels, and small-diameter patch cords with low-profile boots, we have everything you need for a robust, reliable Cat 5e system that's easy to install.





**CAT 5E UTP CABLES**

- Supports 10BASE-T, 100BASE-T, and 1000BASE-T Ethernet
- Independently tested and verified to exceed ANSI/TIA-568.2-D Cat 5e, IEEE 802.3 1000 BASE-T, and ISO/IEC 11801 Class D standards
- Complies with ISO/IEC 11801, IEC 61156-5, EN 50173-1, EN 50288-3-1, and EN 50575:2014 (EuroClass)
- Available in IEC 60332-1-2 and 60332-3-24 flame ratings
- Supports PoE; see specification sheet for full PoE capabilities

**CAT 5E U/UTP CABLES (EUROCLASS ECA)**

DESCRIPTION	PART NO.
Cat 5E U/UTP Cable, LSHF/LSZH, violet, 305 m Reelex Box	GPU-HF1-Eca-Rlx-305VT
Cat 5E U/UTP Cable, LSHF/LSZH, violet, 500 m reel	GPU-HF1-Eca-500VT
Cat 5E U/UTP Cable, LSHF/LSZH, violet, 1000 m reel	GPU-HF1-Eca-1000VT
Cat 5E U/UTP Cable, LSHF/LSZH, violet, duplex, 500 m reel	GPU-HF1-Eca-D500VT

**CAT 5E U/UTP CABLES (EXTERNAL POLYETHYLENE SHEATH)**

Cat 5e U/UTP External Cable, LSHF/LSZH, black, 500 m reel	GPU-HF1-X-500BK
Cat 5e U/UTP External Cable, LSHF/LSZH, black, 1000 m reel	GPU-HF1-X-1000BK

Other cable colors and EuroClasses are available. Please contact your local Leviton representative.



## FEATURED PRODUCTS

Palm Termination Tool **A48**

Wire-Punchdown Termination Tool **A48**

# Copper Tools & Labeling

Leviton has everything you need to terminate and test our copper solutions. The ergonomic Palm Termination Tool, designed by and for installers, offers comfort-grip or rack-mounted positioning for termination, a sturdy jack holder, and a wire-supporting retainer. The Wire-Punchdown Termination Tool enables one-step punchdown of 110-style, 66 connecting block, or LSA-style IDCs with a single push on the handle. Specialized termination tools, test equipment, crimping tools, and other accessories complete the collection.





**PALM TERMINATION TOOL**

- Overmolded ergonomic soft grip
- Easy-to-see wiring labels
- Jack holders provide stability for punchdown
- Incorporated retainer supports cable during termination
- Integrated holes allow rack-mounting of the Palm Tool for patch panel terminations
- Compatible with eXtreme™, GigaMax™, and QuickPort™ AV jacks

**EZ-RJ45™ CRIMP TOOL**

- Quick, cost-effective UTP wire terminations
- Built-in cutter and stripper that crimps and cuts wire

**MULTI-PAIR TERMINATION TOOL**

- Designed for 110-style wiring blocks
- High-impact, spring-loaded handle for one-punch termination of multiple pairs
- “Blade-in” and “blade-out” options
- Includes 4-pair, Cat 6 head
- Cat 5e and 6 heads available individually

**WIRE-PUNCHDOWN / TERMINATION TOOL**

- Punches and trims each wire with just a single push of the handle
- Adjustable impact setting for minimal physical effort
- Spare blade storage in handle chamber
- Compatible with 110 IDC, 66 IDC, and LSA IDC blades
- Terminate 22-, 24-, or 26-gauge wire

**CUTTING TOOLS**

- Klein Tools™ Electrician's Scissors are excellent for cutting and stripping copper cable as well as trimming center splines and rip cords
- Klein Tools Flush Cutter neatly trims individual cable wires flush to connector body to prevent shorts in metal housings (recommended for Atlas-X1™ and tool-free Plus jacks)

**TERMINATION TOOLS & BLADES**

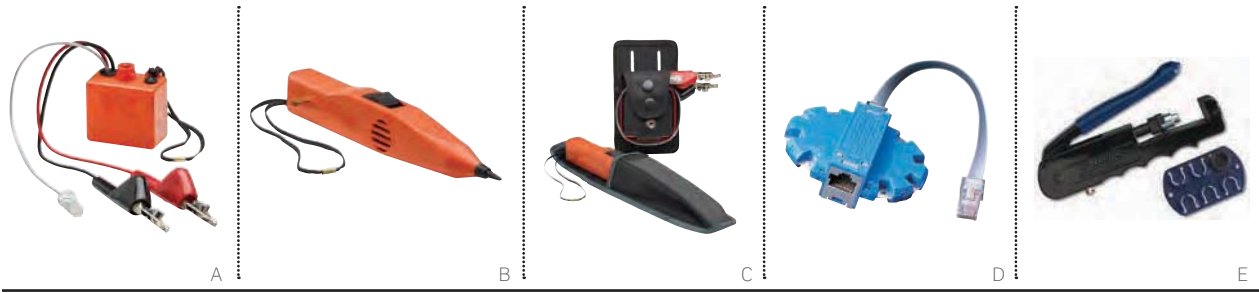
DESCRIPTION	PART NO.
[A] Palm Termination Tool, for eXtreme, GigaMax, and AV QuickPort Jacks	47615-PTT
[B] Jack Gripper, for Snap-in Jacks	MMCJH002
[C] Wire-Punchdown/Termination Tool (blades sold separately)	49553-814
[D] 110 IDC Blade	49553-110
[E] 66 IDC Blade	49553-066
[F] EZ-RJ45 Crimp Tool	40989-ACT

**MULTI-PAIR TERMINATION TOOLS & ACCESSORIES**

[G] Mass-Termination Multi-Pair Tool Handle with Cat 6, 4-pair head	49553-TTH
Mass-Termination Replacement Head, Cat 6, 4 pair	49553-64H
Mass-Termination Replacement Head, Cat 5e, 5 pair	49553-55H

**CUTTING TOOLS**

[H] Klein Tools Electrician's Scissors	49886-SIS
[I] Klein Tools Flush Cutter (must be ordered in increments of 5)	49886-FCS



## TONE TEST SET

- Low-voltage tester for continuity, shorts, and opens
- Talk battery for a communications line on a vacant pair
- Identifies tip and ring polarity, and line condition for clear line with dial tone, busy line, and ringing line
- Generates continuous or warble tone to trace pairs and locate broken pairs or cables in walls — use with Inductive Speaker Probe (below)

## INDUCTIVE SPEAKER PROBE

- Detects audible frequency tones for accurate tracing and identification of wires, cables, and metallic circuits

## MODULAR PLUG BREAKOUT ADAPTER

- For testing any six- or eight-position modular jacks
- Works with the Tone Test Set

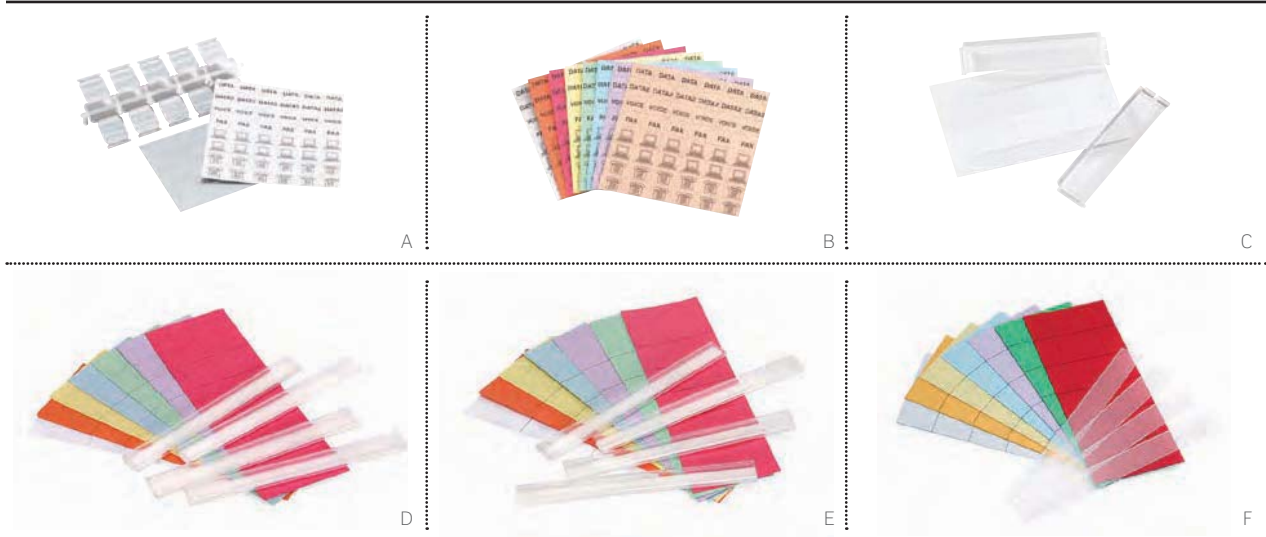
## COAXIAL JACK TOOLS

- Crimp coax onto RG-59 or RG-6 cables
- Rugged metal construction with cushioned handles

## MASTER COMPRESSION TOOL

- Terminates all Leviton coaxial compression jacks, including RCA and F-jacks
- Radial-style crimp compresses uniformly around jack body

TONE TEST SET, INDUCTIVE SPEAKER PROBE & KITS	
DESCRIPTION	PART NO.
[A] Tone Test Set (includes 9-volt battery)	49560-TTS
[B] Inductive Speaker Probe (includes 9-volt battery, one duckbill tip, and one needlepoint tip)	49561-SSP
[C] Kit containing One Tone Test Set with Belt Holster, and one Inductive Speaker Probe with Belt Holster	49562-TSK
MODULAR PLUG BREAKOUT ADAPTER	
[D] Modular Plug Breakout Adapter	40070-MDP
COAXIAL JACK TOOL	
[E] Master Compression Tool	40989-CPT



**WORK-AREA LABELING SOLUTIONS**

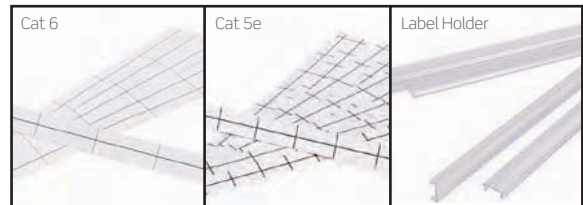
DESCRIPTION	PART NO.
<b>[A]</b> QuickPort™ Shutter Kit (50 shutters) White Label Kit	51084-ICN 51084-XLB
<b>[B]</b> Color Label Kit includes gray, orange, red, yellow, green, blue, purple, and brown (2 sheets of each color)	51084-CLB
<b>[C]</b> Labels and Windows for Housings & Wallplates on page D6 Labels and Windows for Stainless-Steel and Angled Wallplates on pages D7 and D8 Pre-printed Port Labels, black ink, 10 sheets per package	41080-IDW 43080-IDW 41080-LEB

**PATCH PANEL LABELING SOLUTIONS**

<b>[D]</b> Adhesive Holder and Labels Kit for QuickPort Panels (supports 24 ports)	49257-QHD
<b>[E]</b> Adhesive Holder and Labels Kit for 110-Style Panels (supports 24 ports)	49257-I24
<b>[F]</b> Designation Kit Replacement for 110-Style Panels (supports 24 ports)	69585-IDL

**110-STYLE LABELING SOLUTIONS**

DESCRIPTION	PART NO.
Cat 6 Label Kit, 6 label strips per kit	41LBL-60W
Cat 5e Label Kit, 6 label strips per kit	41LBL-00W
Label Holder, 6 holders per kit	41100-HLD



**SPOTLIGHT**

Leviton Palm Termination Tool



Use the Leviton Palm Termination Tool (page A50) to quickly and easily punchdown jacks at the job site. The Palm Termination Tool was designed with contractor input and offers an ergonomic comfort grip, increased jack stability, and integrated holes that allow rack mounting for QuickPort panel terminations. The Palm Termination Tool is compatible with eXtreme™, GigaMax™, and QuickPort AV jacks.

**Note:** Palm Tool is not compatible with Snap-in-Jacks.



# FIBER SOLUTIONS



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**B5** Recommended Systems

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**B35** Harnesses  
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# FIBER SYSTEMS

Whether your installation is small or large, simple or complex, you can rely on Leviton for a network patching platform that meets your requirements. From cloud data center to remote telecom room, from service provider to enterprise office building, Leviton solutions are versatile enough to meet specific customer demands, ensuring migration options for future bandwidth growth and strong return on infrastructure investment.

**SYSTEM FEATURES**

Ultra high density (144 fibers per RU)

High density (96 fibers per RU)

Standard density (72 fibers per RU)

Angled panel eliminates need for patch cord cable manager

Enclosures with individual sliding trays minimize impact on surrounding fibers

Enclosure trays lock into place when open, simplifying network maintenance

One-handed, single-click cassette installation for easy deployment

0/40/100/200/400Gb/s migration simplifies tech upgrades

OM3 / OM4 / OS2 fiber types for backward compatibility

Precision-molded adapter plates for durable network connections

Traffic Analysis Points (TAPS) provide monitoring of networks

Copper and fiber capability for network flexibility

Zero rack-unit option




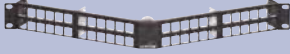






Cassettes with adjustable rear MTPs for improved bend radius

Field-splicing capability for flexibility and MACs

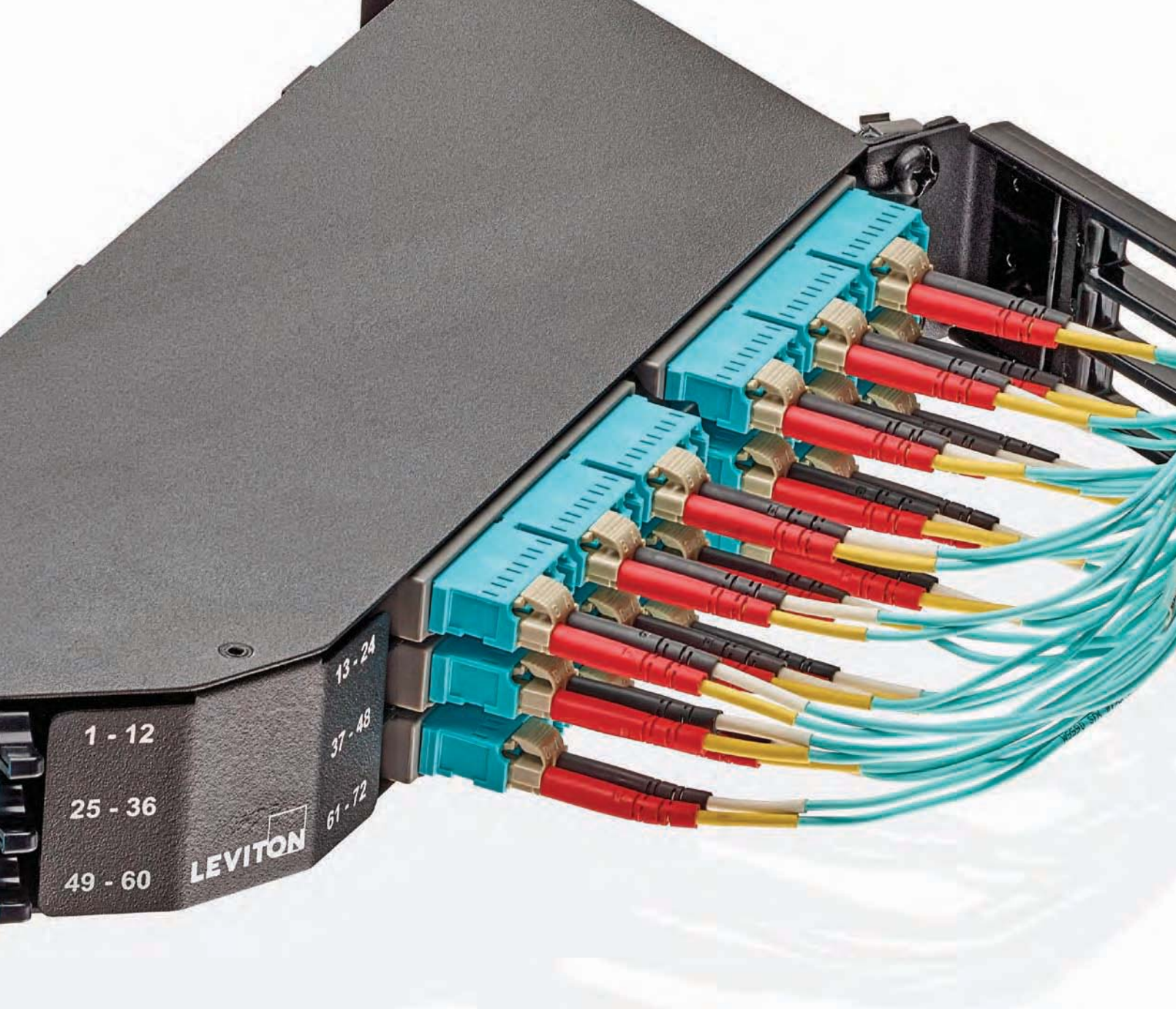




<b>HDX</b> Data Center	<b>e2XHD</b> Data Center	<b>SDX</b> Enterprise	<b>FibrePlus</b> Enterprise
Ultra high density platform to help meet increasing network demands in data centers.	High-density snap-in cassettes allow a mix of fiber and copper patching for large enterprise applications.	Versatile solutions in multiple sizes and styles for small data centers and enterprise applications.	Comprehensive range of fiber connectivity and patching for small data centers and enterprise applications.
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	APPLICATIONS	CASSETTES / ADAPTER PLATES	ENCLOSURES / PANELS
DATA CENTER	<p><b>Multimode</b></p> <ul style="list-style-type: none"> <li>• High-performance computer clusters</li> <li>• High bandwidth enterprise</li> <li>• VCSEL-based propagation</li> </ul>	 <p>HDX – Page B11</p>	 <p>UHDH Enclosures – Page B10 UHDH Panels – Page B10</p>
	<p><b>Single-mode</b></p> <ul style="list-style-type: none"> <li>• Containerized data centers</li> <li>• Entrance facilities and equipment rooms</li> </ul>	 <p>e2XHD – Page B26</p>	 <p>e2XHD – Page B25</p>
ENTERPRISE	<p><b>Multimode</b></p> <ul style="list-style-type: none"> <li>• Building backbones and zone cabling</li> <li>• Legacy cabling (for OM1 &amp; OM2 fiber type)</li> <li>• Low-bandwidth enterprise, automation, security</li> </ul>	 <p>SDX – Page B19</p>	 <p>2000i SDX – Page B16</p>  <p>1000i SDX – Page B16</p>
	<p><b>Single-mode</b></p> <ul style="list-style-type: none"> <li>• Campus and building backbones</li> <li>• Long distances</li> </ul>	 <p>FibrePlus – Page B28</p>	 <p>500i SDX – Page B17</p>  <p>FibrePlus – Page B28</p>

CONNECTORS	CABLE ASSEMBLIES	FIBER TYPE & SPECIFICATION CHART										
 <p>FastCAM™ LC – Page B66</p>	 <p>MTP™ or LC Cable Assemblies – Page B36-B38</p>	<b>SPECIFICATION</b>		<b>OM3</b>		<b>OM4</b>						
				850 nm	1300 nm	850 nm	1300 nm					
				Max. Attenuation (dB/km)	3.0	1.0	3.0	1.0				
				Overfill Launch Min. Bandwidth (MHz•km)	1500h	500	N/A	500				
				Effective Modal Bandwidth (EMB)(MHz•km)	2000 <sup>1</sup>	N/A	4700 <sup>1</sup>	N/A				
				1G Transmission Distance (m)	1000	600	1040	600				
				10G Transmission Distance (m)	300	300 <sup>2</sup>	550	300 <sup>2</sup>				
		40/100G Transmission Distance (m)	100	N/A	150	N/A						
		<small>1 The effective modal bandwidth is determined based on an overfill launch (OFL) per ANSI/TIA-455-204, except on LOMM Fiber types. 2 10GbE transmission at 1300 nm only applies to 10GBASE-LX4 (CWDM).</small>										
 <p>Field Polish SC – Page B69</p>	 <p>SC Cable Assemblies – Page B39</p>	<b>SPECIFICATION</b>		<b>OS2</b>								
				1310 nm		1550 nm						
				Maximum Attenuation (dB/km)	0.4		0.3					
				1G Transmission Distance (m)	5,000		N/A					
		10G Transmission Distance (m)	10,000		N/A							
 <p>Field Polish LC – Page B69</p>	 <p>LC Cable Assemblies – Page B36-B38</p>	<b>SPECIFICATION</b>		<b>OM1</b>		<b>OM2</b>		<b>OM3</b>				
				850 nm	1300 nm	1310 nm	1550 nm	850 nm	1300 nm			
				Max. Attenuation (dB/km)	3.5	1.0	0.4	0.3	3.0	1.0		
				Overfill Launch Min. Bandwidth (MHz•km)	200	500	950	500	1500	500		
				Effective Modal Bandwidth (EMB)(MHz•km)	N/A	N/A	N/A	N/A	2000 <sup>1</sup>	N/A		
				1G Transmission Distance (m)	300	600	750	600	1000	600		
				10G Transmission Distance (m)	36	300	150	300	300	300		
		40/100G Transmission Distance (m)	N/A	N/A	N/A	N/A	100	N/A				
 <p>Field Polish SC – Page B69</p>	 <p>SC Cable Assemblies – Page B39</p>	<b>SPECIFICATION</b>		<b>OS2</b>								
				1310 nm		1550 nm						
				Max. Attenuation (dB/km)	0.4		0.3					
				1G Transmission Distance (m)	5,000		N/A					
		10G Transmission Distance (m)	10,000		N/A							



#### FEATURED PRODUCTS

HDX Systems **B9**

SDX Systems **B15**

## Opt-X Family of Fiber Optic Systems

Opt-X™ systems provide the high-performing, flexible, and reliable solutions needed for today's mission-critical and enterprise environments while supporting the capability for future technology upgrades and network migrations. The Opt-X family of products offers options and designs for high-end and economical applications, with customizable solutions that meet specific network requirements.





**HDX PLATFORM**

High- and ultra-high-density systems that support cloud data center and large enterprise networks with network manageability and a reduced cabling network footprint.



UHDX Enclosures



UHDX Panels



HDX-to-SDX Adapter Bracket  
(for use with SDX Enclosures)



HDX Frame Patch Deck



HDX Retrofit Tray  
(for use with SDX Enclosures)



HDX Frame

**SDX PLATFORM**

Versatile fiber optic patching solutions, available in multiple sizes and styles, designed to support enterprise and small data center applications.



2000i SDX Enclosures



1000i SDX Enclosures



500i SDX Enclosures



500i SDX Panels



SDX  
Wall-Mount Enclosures



## FEATURED PRODUCTS

UHD System **B10**

HDX Adapter Plates & Cassettes **B11**

# HDX Systems

144 LC Fibers Per RU

Data centers and telecommunications rooms are rapidly outgrowing their footprints as they attempt to meet increasing network demands. Leviton UHDX enclosures offer optimum patching capacity in areas where space is at a premium. Using HDX Adapter Plates, Cassettes, and Splice Modules, the enclosures and panels allow up to 144 fibers with LC connectors, or 1,728 fibers with 24-fiber MTP™ connectors — the highest density per rack unit available.





## UHDX RACK-MOUNT ENCLOSURES

- Accept HDX Adapter Plates, Cassettes, and Splice Modules
- Up to 144 fibers with LC connectors or 1,728 fibers with 24-fiber MTP™ connectors per RU
- Individual sliding trays allow easy access to fiber connectors in dense applications
- 20-inch depth, with hinged or removable rear doors for accessibility to rear cable routing
- Hinged front door provides easy means to install, remove, and update port ID labels
- Highly visible port locators in the front and rear of the enclosure help easily identify specific ports

## RECOMMENDED APPLICATIONS:

Data Centers

Entrance Facility

19" and 23" Racks and Cabinets

## UHDX 1RU FLAT & ANGLED PANELS

- Accept HDX Adapter Plates, Cassettes, and Splice Modules
- Angled panel eliminates the need for horizontal patch cord cable managers
- Open access to patch cords and trunks
- One-hand installation and removal of HDX and HDX2 cassettes or adapter plates
- Up to 144 fibers with LC connectors or 1,728 fibers with 24-fiber MTP connectors

## ACCESSORIES

- Cable clamp kits minimize excessive pulling, bending, and crushing
- Brush guards minimize dust buildup in rear of enclosure
- Rear cable manager (sold separately) supports fiber cables and snaps directly into panel without tools
- 0RU, 1RU, and 2RU cable managers provide protection and routing of patch cords for flat panel
- 1RU and 2RU cable managers mount directly over existing panels

## UHDX RACK-MOUNT ENCLOSURES & PANELS

DESCRIPTION	MAXIMUM CAPACITY					PART NO.
	FIBERS (USING LC)	FIBERS (USING 24F MTP)	ADAPTER PLATES	SPLICE MODULES	OR MTP CASSETTES*	
<b>[A]</b> 1RU UHDX Enclosure, empty	144	1,728	12	12	12/6	5R1UD-S12
<b>[B]</b> 2RU UHDX Enclosure, empty	288	3,456	24	24	24/12	5R2UD-S24
<b>[C]</b> 4RU UHDX Enclosure, empty	576	6,912	48	48	48/24	5R4UD-S48
<b>[D]</b> 1RU UHDX Angled Panel, empty	144	1,728	12	12	12/6	HDX1A-144
<b>[E]</b> 1RU UHDX Flat Panel, empty	144	1,728	12	12	12/6	HDX1F-144

\* = Density varies if using HDX or HDX2 MTP Cassettes.

## ACCESSORIES

DESCRIPTION	PART NO.
Universal Clamp Kit, single cable grommet (mounts to enclosure or rear cable manager)	5RCMP-KIT
Universal Clamp Kit, multiple cable grommet (mounts to enclosure or rear cable manager)	5RCMP-KT2
Universal Clamp Kit, single and multiple cable grommet (for rack mounting)	5RCMR-KIT
<b>[F]</b> 1RU Brush Guard, bag of 2	5RBSH-1UN
2RU Brush Guard, bag of 2	5RBSH-2UN
<b>[G]</b> 0RU Universal Patch Cord Cable Manager	5RCMT-VFG
1RU Universal Patch Cord Cable Manager (includes 0RU cable manager)	5R1UX-CMT
2RU Universal Patch Cord Cable Manager (includes 0RU cable manager)	5R2UX-CMT
23" Rack-Mount Ears, bag of 2	5REAR-023
<b>[H]</b> Rear Cable Manager for Panels, with cable management rings	E2XHD-CMB



## HDX & HDX2 MTP CASSETTES

- Easy to migrate from 10 to 40, 100, 200, and 400 Gb/s when used with Opt-X™ Unity trunks, harnesses, and patch cords
- Configure up to 48 fibers for 24 channels (10 Gb/s) and 6 channels (40 Gb/s or 100 Gb/s)
- Pre-terminated fiber eliminates the need for complicated field terminations and splices



## HDX2 & HDX CONVERSION CASSETTES

- Manage polarity to maintain, transmit, and receive connections between parallel optics and SFP connectivity
- Connect to electronics with LC-style ports and aggregate SFP ports to a QSFP28 or PSM4 (100 Gb/s), QSFP+ (40 Gb/s), or CXP (120 Gb/s) port

## HDX2 TAP CASSETTES

- Traffic analysis points (TAPs) provide real-time monitoring in network or SAN environments
- Support monitoring of 10 Gb/s and 40 Gb/s channels (QSFP)
- BiDi TAP available for 40 Gb/s

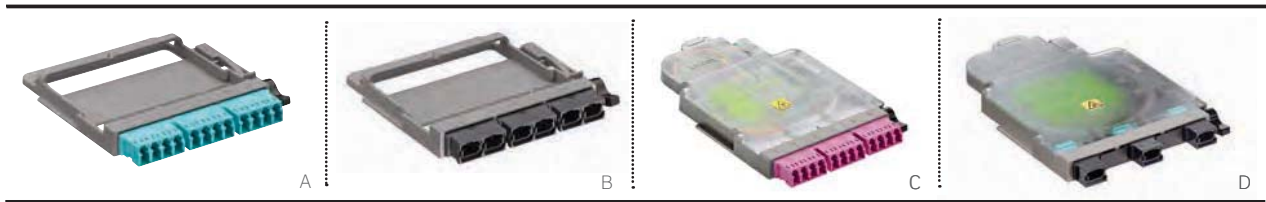
HDX2 & HDX CONVERSION CASSETTES			
DESCRIPTION	OM3 (aqua)	OM4 (heather violet)	OS2 (blue)
HDX2, 3x8 fiber MTP to 24-fiber LC, (100 to 25 Gb/s, 40 to 10 Gb/s)	32LM1-41C	[A] 42GM1-41C	U2LM1-41C
HDX2, 24-fiber MTP to 24-fiber LC, (120 to 10 Gb/s)	[B] 32LM2-21C	42LM2-21C	U2LM2-21C
HDX, 8-fiber, MTP to 8-fiber LC, (100 to 25 Gb/s, 40 to 10 Gb/s)	38LM1-41C	48GM1-41C	U8LM1-41C

HDX2 TAP CASSETTES					
LC PORTS	DESCRIPTION	Method B Edge 50:50		Method B Edge 70:30	
		OM4 (heather violet)	OS2 (blue)	OM4 (heather violet)	OS2 (blue)
LC PORTS	24-fiber MTP to LC	42LM2-BE5	[C] U2LM2-BE5	42LM2-BE7	U2LM2-BE7
	24-fiber 2x12 MTP to LC	42LM1-BE5	U2LM1-BE5	42LM1-BE7	U2LM1-BE7
	12-fiber MTP to LC BiDi TAP	42LM2-AB5	-	-	-
MTP PORTS	DESCRIPTION	Method B Edge 50:50		Method B Edge 70:30	
		OM4 24-fiber to 3x8 MTP (female)	[D] 42MM2-BE5	42MM2-BE7	
OS2 24-fiber to 3x8 MTP (female)	U2MM2-BE5	U2MM2-BE7			

Make-to-Order! HDX/HDX2 CASSETTE OPTIONS					
FIBER TYPE	FIBER COUNT	CONNECTOR TYPE (FRONT)	MTP TYPE (REAR)	POLARITY	
• OM3	• 12	• LC	• 12-fiber MTP (Male)	• Method A	• Method C
• OM4	• 24	• LC (Violet)	• 24-fiber MTP (Male)	• Method B, Core	• Conversion
• OS2	• 48	• 8-fiber MTP (Female)		• Method B, Edge	
		• SC			

For MTP Method B polarity, you must order one each of the core and edge cassettes.

For assistance customizing your cassettes, please visit [Leviton.com/configurator](http://Leviton.com/configurator) or call Tech Support at +1 (425) 486 2222.



## HDX ADAPTER PLATES

- Connect to field-terminated backbone cabling or pre-terminated trunks
- Visible sequential numbering to identify ports (for Tx and Rx)

## HDX LC & MTP™ SPLICE MODULES

- Modules integrate fiber adapter bulkhead (12 or 36 fibers) and splice holders, eliminating need for splice trays
- Innovative 12-fiber color-coded pigtail offers fusion splicing to either single fiber or ribbon fiber constructions
- LC internal shutters minimize dust and provide eye protection
- Splice Sleeves included in accessory kit
- MTP Splice Module offers field termination option to migrate from 10 to 40, 100, 200 or 400 Gb/s



HDX ADAPTER PLATES	
DESCRIPTION	PART NO.
12-fiber HDX Adapter Plate, OM1 & OM2, Quad LC (beige), zirconia ceramic sleeve	5FUHD-2IL
<b>[A]</b> 12-fiber HDX Adapter Plate, OM3 & OM4, Quad LC (aqua), zirconia ceramic sleeve	5FUHD-2QL
12-fiber HDX Adapter Plate, OS2, Quad LC (blue), zirconia ceramic sleeve	5FUHD-2LL
HDX Adapter Plate, 3 Duplex MTP Adapters (black), key up/key up	5FUHD-6MB
<b>[B]</b> HDX Adapter Plate, 3 Duplex MTP Adapters (black), key up/key down	5FUHD-6MP
HDX Adapter Plate, blank (black)	5FUHD-BLK
HDX FIBER SPLICE MODULES*	
DESCRIPTION	PART NO.
<b>[C]</b> 12-fiber HDX Splice Module, OM4 LC (heather violet)	SPLCH-12M
12-fiber HDX Splice Module, OS2 LC (blue)	SPLCH-12L
12-fiber HDX Splice Module, OS2 LC/APC (green)	SPLCH-12V
<b>[D]</b> 36-fiber HDX Splice Module, OM4 MTP (male)	SPMPH-MMPN
36-fiber HDX Splice Module, OS2 MTP (male)	SPMPH-SMPN
36-fiber HDX Splice Module, OM4 MTP (female)	SPMPH-MMUP
36-fiber HDX Splice Module, OS2 MTP (female)	SPMPH-SMUP

\* = Make to Order, lead times may apply.



12-fiber OM4 HDX Splice Module  
(Cable sold separately)



## HDX FIBER OPTIC DISTRIBUTION FRAME (3,168 CAPACITY)

- Integrated cable management and routing solutions for minimum bend radius, better slack storage, and protection
- Holds up to 22 patch and/or splice decks
- Lockable rear doors included to protect and conceal trunk cabling
- Optional front door kit (sold separately) with transparent door is lockable for additional security
- Occupies only one 2 x 2-foot tile
- Seismic rated to GR-63-CORE, Zone 4, UL 2046 Listed

## PATCH DECK

- Accepts HDX adapter plates, cassettes, and splice modules
- 2RU height for up to 144 fibers (using LC) capacity
- Holds 6 independent sliding trays and accepts up to 12 HDX or 6 HDX2 adapter plates, cassettes, or splice modules
- Magnifying port identification label holders for better visibility
- Integrated minimum bend radius protection

## SPLICE DECK

- Modular 3.5-inch-high deck accepts up to three independent splice deck trays
- Sliding trays are removable for ease of splicing
- Heat-shrink fusion splicing of individual 250  $\mu$ m or 900  $\mu$ m tight-buffer fibers for up to 144 fibers per deck
- Each tray accepts up to two 24-fiber molded Splice Trays
- Splice Sleeves included with Splice Tray

## HDX FRAME CAPACITY CHART

CONNECTIVITY	MAX. FIBER STRANDS FOR PRE-TERMINATED TRUNKS	MAX. FIBER PATCHING & SPLICING
LC	3,168	3,168
SC	1,584	0
12-Fiber MTP™	7,776	9,504
24-Fiber MTP	15,552	0

Chart based on use of 48-fiber trunks



See page B13-B14 for HDX Cassettes and Adapter Plates.



## HDX FIBER OPTIC FRAME SYSTEM

DESCRIPTION	PART NO.
[A] HDX Fiber Optic Distribution Frame, 7' H x 2' W x 2' D	F3168-22F
[B] 2RU Patch Deck, empty (includes front/rear cable management and cable clamp kit)	F3168-DCK
[C] 2RU Splice Deck, empty (includes VELCRO® Brand ties, front/rear cable management, and cable clamp kit)	F3168-SPD
[D] Cross-Frame Routing Kit	F3168-CFR
[E] Front Door Kit	F3168-FDR
Cable Clamp Kit, single-cable grommet	F3168-CCK
2RU Blank Panel	F3168-BLK

## 24-FIBER SPLICE TRAY

[F] 24-fiber Heat-Shrink-Style Molded Splice Tray (includes 60 mm splice sleeves)	T5PLS-24F
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### INDUSTRY-LEADING DENSITY

One HDX Frame holds up to 22 patch decks, and occupies only one 2 x 2-foot floor tile.

### BUILT-IN CABLE MANAGEMENT & ROUTING

The frame keeps pathways clean and organized, using integrated cable management for minimum bend radius, better slack storage, and protection within the frame.

### SUPERIOR SCALABILITY

HDX frames can be ganged together to handle future growth with easy pass-through cross-frame routing kits. And with 24-fiber MTP connectivity, they are ideal for migration from 10G to 40G to 100G and beyond.

### EASY ACCESSIBILITY

The frame's open design greatly reduces time and labor for maintenance, as it allows unobstructed access to patch cord connections. The one-tile footprint makes it easier to access the space beneath a raised floor.

## ROI Savings Calculator

By **reducing overall floor space**, the HDX Fiber Distribution System creates significant yearly cost savings over a traditional main distribution area. Calculate your return on infrastructure investment (ROI) when installing the HDX Frame, and estimate your long-term savings over standard 19" cabinets or racks. Go to [apps.leviton.com/HDXcalculator](https://apps.leviton.com/HDXcalculator).



## SPOTLIGHT

### Core & Edge Cassettes



In order to achieve proper polarity when using Method B with two cassette configurations, core and edge cassettes must be used in pairs. This will simplify the design requirements for trunks and patch cords. For consistency, core cassettes are typically placed at the main connection point, at or close to the main switching equipment. Edge cassettes are placed at the end connection point, near access layer equipment. For easy identification, core cassette casing and pins are black, while edge cassette casing and pins are white.



## FEATURED PRODUCTS

Enclosures **B16**

Adapter Plates **B19**

Splice Modules **B21**

# SDX Systems

## 72 LC FIBERS PER RU

The SDX System, part of the Opt-X™ family of fiber optic solutions, is a flexible solution designed for easy installation and maintenance. Whether it's the 2000i enclosure for data centers or 1000i and 500i enclosures for medium and small enterprise applications, each comes packed with features for better cable organization and maintainability. In addition, precision-molded SDX adapter plates, splice modules, and cable management offer the flexible connection and storage options to meet any project need.





### 2000i SDX RACK-MOUNT ENCLOSURES

- Accepts SDX adapter plates, splice trays, and splice modules (B19-B21)
- Removable transparent hinged doors
- Sliding tray provides accessibility to front and rear of bulkhead after installation, and removes completely to facilitate field terminations and splicing
- 17-inch depth for high-density fiber termination and/or splicing
- Stackable and adjustable fiber rings simplify cable management
- Constructed of durable polycarbonate plastic and black powder-coated 16-gauge steel
- 1RU and 2RU accept the HDX Retrofit Tray (sold separately) for higher density applications using HDX MTP™ Cassettes and Adapter Plates

### RECOMMENDED APPLICATIONS:

- Data Centers
- Equipment Room
- Entrance Facility
- Telecommunications Room
- 19" Racks and Cabinets

### 1000i SDX RACK-MOUNT ENCLOSURES

- Accepts SDX adapter plates, splice trays, and splice modules (pages B19-B21)
- Sliding tray in 1RU and 2RU removes completely for easy field terminations and splicing
- 15-inch depth for high-density fiber termination and/or splicing
- Enclosures protrude 4.5 inches from mounting ears to align with Versi-Duct™ Cable Management System
- Included accessory kit consists of cable ties, mounting ear screws, and port ID label
- 1RU and 2RU accept the HDX Retrofit Tray (sold separately) for higher density applications using HDX MTP™ Cassettes

### RECOMMENDED APPLICATIONS:

- Equipment Room
- Telecommunications Room
- 19" Racks and Cabinets

### 2000i SDX RACK-MOUNT ENCLOSURES

DESCRIPTION	MAXIMUM CAPACITY			PART NO.
	FIBERS (USING LC)	ADAPTER PLATES	AND SPLICE TRAYS/MODULES*	
<b>[A]</b> 1RU 2000i SDX Enclosure, empty, sliding tray	72	3	3	5R1UH-S03
<b>[B]</b> 2RU 2000i SDX Enclosure, empty, sliding tray	144	6	6	5R2UH-S06
<b>[C]</b> 4RU 2000i SDX Enclosure, empty, sliding tray	288	12	12	5R4UH-S12

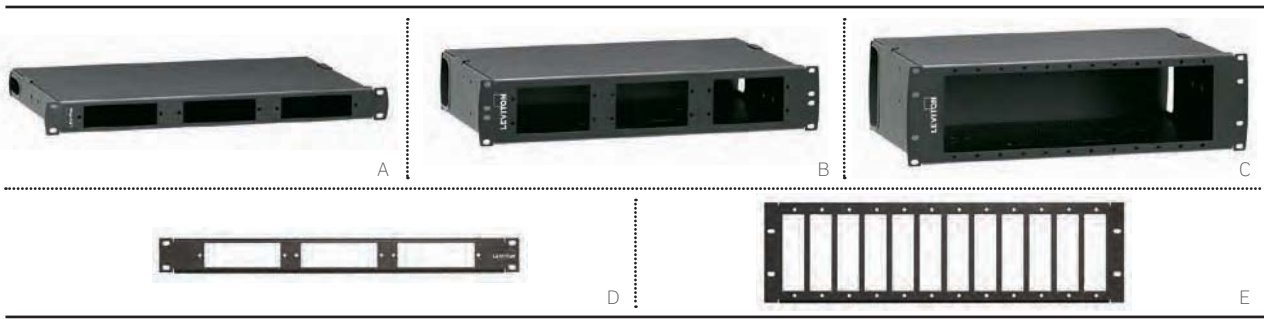
### 2000i SDX RACK-MOUNT ENCLOSURES

1RU 1000i SDX Enclosure, empty	72	3	3	5R1UM-F03
<b>[D]</b> 1RU 1000i SDX Enclosure, empty, sliding tray	72	3	3	5R1UM-S03
2RU 1000i SDX Enclosure, empty	144	6	6	5R2UM-F06
2RU 1000i SDX Enclosure, empty, sliding tray	144	6	6	5R2UM-S06
3RU 1000i SDX Enclosure, empty, horizontal ^	216	9	12	5R3UM-F09
<b>[E]</b> 3RU 1000i SDX Enclosure, empty, vertical°	288	12	12	5R3UM-F12
4RU 1000i SDX Enclosure, empty, vertical°	288	12	12	5R4UM-F12
4RU 1000i SDX Enclosure, empty, horizontal ^	360	15	12	5R4UM-F15

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

^ = Horizontal plate/cassette orientation

° = Vertical plate/cassette orientation



**500i FLUSH-MOUNT RACK ENCLOSURES**

- Accepts SDX adapter plates, splice trays, and splice modules (page B19-B21)
- Flush-mount adapter bulkhead makes moves, adds, and changes easy
- One-piece removable cover allows for complete accessibility to the back of the enclosure
- Accepts injection-molded splice trays and 4 inch x 7 inch metal splice trays
- Enclosure can store up to 3 meters of 900 μm tight-buffered fiber per adapter
- Included accessory kit consists of cable ties, mounting ear screws, and port ID label
- 1RU and 3RU flush-mount panels accept SDX adapter plates and cassettes, and mount to 19-inch racks and cabinets
- Optional add-on patch cord cable management tray (sold separately) uses existing rack unit

**RECOMMENDED APPLICATIONS:**

- Equipment Room
- Telecommunications Room
- 19" Racks and Cabinets

**500i SDX RACK-MOUNT ENCLOSURES**

DESCRIPTION	MAXIMUM CAPACITY			PART NO.
	FIBERS (USING LC)	ADAPTER PLATES	AND SPLICE TRAYS/MODULES*	
[A] 1RU 500i SDX Enclosure, empty	72	3	3	5R1UL-F03
[B] 2RU 500i SDX Enclosure, empty	144	6	6	5R2UL-F06
[C] 3RU 500i SDX Enclosure, empty	288	12	12	5R3UL-F12
[D] 1RU 500i SDX Panel, empty	72	3	N/A	5R1UE-OPX
[E] 3RU 500i SDX Panel, empty	288	12	N/A	5R3UE-OPX

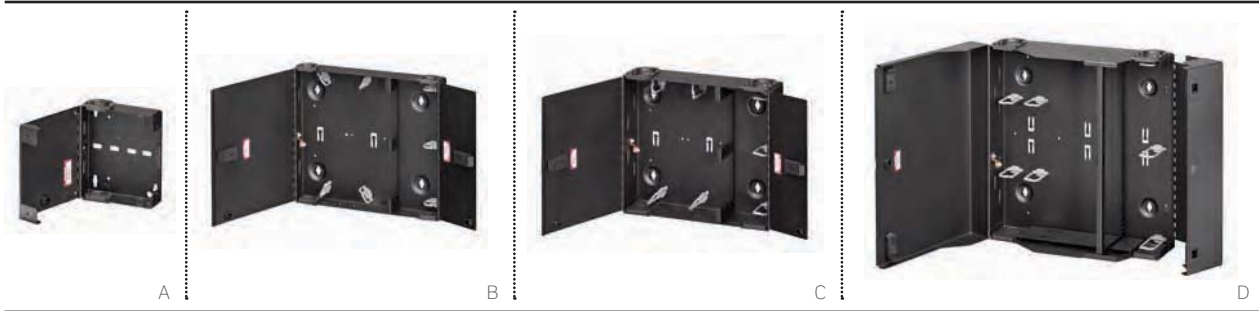
\* = Maximum splice tray capacity is limited by height of selected splice tray. Installation of multiple splice trays may require not installing tray covers.

**SPOTLIGHT** Mounting Options for Mini Wall-Mount Enclosure



With a capacity of one SDX cassette or adapter plate — up to 24 LC fibers or 12 SC fibers — the Opt-X SDX Mini Wall-Mount Enclosure provides simple deployment and flexible mounting options for remote network hubs, non-traditional network areas, and other areas with extreme space constraints. It also accepts copper ports by using a QuickPort adapter plate (5F100-6QP).

Numerous mounting options include wall mounting, DIN-rail mounting, zero-RU rack mounting, ganging multiple mini enclosures, and even placement inside of a cubicle wall for easy network expansion.



**SDX WALL-MOUNT ENCLOSURES**

- Four sizes available (mini, small, medium, large) to accommodate from 24 LC to 288 LC fibers
- Locking doors and dual-door access to separate user and service sides
- Cable and patch cord protection make it easier for contractors to dress-out and protect cable and jackets from damage and pinching
- Field splicing options include both splice trays and self-contained splice modules
- Mini mounting options: wall-mount, DIN rail, zero-RU, or cubicle wall installations
- Optional adapter allows enclosures to accommodate both Leviton SDX and HDX patching platforms
- Accepts 6 copper ports using Quickport Adapter Plate, 5F100-6QP

**RECOMMENDED APPLICATIONS:**

- Telecommunications Room
- Equipment Room
- FTTD (Fiber to the Desk)
- ORU

SDX Systems  
FIBER

SDX WALL-MOUNT ENCLOSURES							
DESCRIPTION	MAXIMUM CAPACITY					PART NO.	
	FIBERS (USING LC)	ADAPTER PLATES	AND	SPLICE TRAYS/MODULES*	OR		MTP™ CASSETTES
[A] Mini SDX Enclosure, empty, single door, no lock	24	1		N/A		1	5WMNT-01C
[B] Small SDX Enclosure, empty, dual doors, no lock	48	2		2		2	5WSML-02C
[C] Medium SDX Enclosure, empty, dual doors, no lock	96	4		4		4	5WMED-04C
[D] Large SDX Enclosure, empty, dual doors, no lock	288 (576 when used as splicing only enclosure)	12		12		12	5WLRG-12C



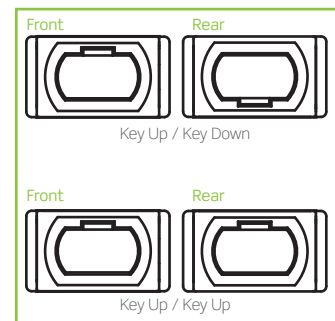
See page B19-20 for list of SDX adapter plates.





## SDX ADAPTER PLATES

- Work with SDX Enclosures, including 2000i, 1000i, 500i, and wall-mount
- Captive push/pull fasteners allow for quick, tool-free installation and removal
- Precision-molded LC and SC adapter plate colors designate fiber type, per TIA standards
- Available in 6- to 24-fiber plates for LC, SC, and ST
- Available in 72- to 192-fiber plates for MTP™
- MTP and LC adapter plates with shutters available by custom order
- 6-position QuickPort™ Adapter Plates (item V) accept all QuickPort modules



## SDX RACK-MOUNT ENCLOSURE CAPACITY

1RU FOR 2000i, 1000i & 500i	2RU FOR 2000i, 1000i & 500i	3RU FOR 1000i	3RU FOR 500i	4RU FOR 2000i & 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 Dplx LC = up to 36-fibers 6-pk Quad LC = up to 72-fibers 3-pk Dplx SC = up to 18-fibers 6-pk Dplx SC = up to 36-fibers 6-pk ST = up to 18-fibers 8-pk ST = up to 24-fibers	6-pk Dplx LC = up to 72-fibers 6-pk Quad LC = up to 144-fibers 3-pk Dplx SC = up to 36-fibers 6-pk Dplx SC = up to 72-fibers 6-pk ST = up to 36-fibers 8-pk ST = up to 48-fibers	6-pk Dplx LC = up to 108/144-fibers 6-pk Quad LC = up to 216/288-fibers 3-pk Dplx SC = up to 54/72-fibers 6-pk Dplx SC = up to 108/144-fibers 6-pk ST = up to 54/72-fibers 8-pk ST = up to 72/96-fibers	6-pk Dplx LC = up to 144-fibers 6-pk Quad LC = up to 288-fibers 3-pk Dplx SC = up to 72-fibers 6-pk Dplx SC = up to 144-fibers 6-pk ST = up to 72-fibers 8-pk ST = up to 96-fibers	6-pk Dplx LC = up to 144/180-fibers 6-pk Quad LC = up to 288/360-fibers 3-pk Dplx SC = up to 72/90-fibers 6-pk Dplx SC = up to 144/180-fibers 6-pk ST = up to 72/90-fibers 8-pk ST = up to 96/120-fibers

## SDX WALL-MOUNT ENCLOSURE CAPACITY

MINI	SMALL	MEDIUM	LARGE
Holds up to 1 adapter plate	Holds up to 2 adapter plates	Holds up to 4 adapter plates	Holds up to 12 adapter plates
6-pk Dplx LC = up to 12 fibers 6-pk Quad LC = up to 24 fibers 3-pk Dplx SC = up to 6 fibers 6-pk Dplx SC = up to 12 fibers 6-pk ST = up to 6 fibers 8-pk ST = up to 8 fibers	6-pk Dplx LC = up to 24 fibers 6-pk Quad LC = up to 48 fibers 3-pk Dplx SC = up to 12 fibers 6-pk Dplx SC = up to 24 fibers 6-pk ST = up to 12 fibers 8-pk ST = up to 16 fibers	6-pk Dplx LC = up to 48 fibers 6-pk Quad LC = up to 96 fibers 3-pk Dplx SC = up to 24 fibers 6-pk Dplx SC = up to 48 fibers 6-pk ST = up to 24 fibers 8-pk ST = up to 32 fibers	6-pk Dplx LC = up to 144 fibers 6-pk Quad LC = up to 288 fibers 3-pk Dplx SC = up to 72 fibers 6-pk Dplx SC = up to 144 fibers 6-pk ST = up to 72 fibers 8-pk ST = up to 96 fibers



## SDX PRECISION-MOLDED FIBER ADAPTER PLATES

DESCRIPTION	PART NO.
[A] 12-Fiber SDX Adapter Plate, OM1, Duplex LC (beige), zirconia ceramic sleeve	5F100-2IL
[B] 12-Fiber SDX Adapter Plate, OM2, Duplex LC (black), zirconia ceramic sleeve	5F100-2EL
[C] 12-Fiber SDX Adapter Plate, OM3, Duplex LC (aqua), zirconia ceramic sleeve	5F100-2QL
[D] 12-Fiber SDX Adapter Plate, OS2, Duplex LC (blue), zirconia ceramic sleeve	5F100-2LL
[E] 12-Fiber SDX Adapter Plate, OS2, Duplex LC/APC (green), zirconia ceramic sleeve	5F100-2VL
[F] 24-Fiber SDX Adapter Plate, OM1, Quad LC (beige), zirconia ceramic sleeve	5F100-4IL
[G] 24-Fiber SDX Adapter Plate, OM2, Quad LC (black), zirconia ceramic sleeve	5F100-4EL
[H] 24-Fiber SDX Adapter Plate, OM3, Quad LC (aqua), zirconia ceramic sleeve	5F100-4QL
[I] 24-Fiber SDX Adapter Plate, OS2, Quad LC (blue), zirconia ceramic sleeve	5F100-4LL
6-Fiber SDX Adapter Plate, OM1, Duplex SC (beige), zirconia ceramic sleeve	5F100-6IC
6-Fiber SDX Adapter Plate, OM2, Duplex SC (black), zirconia ceramic sleeve	5F100-6EC
6-Fiber SDX Adapter Plate, OM3, Duplex SC (aqua), zirconia ceramic sleeve	5F100-6QC
6-Fiber SDX Adapter Plate, OS2, Duplex SC (blue), zirconia ceramic sleeve	5F100-6LC
6-Fiber SDX Adapter Plate, OS2, Duplex SC/APC (green), zirconia ceramic sleeve	5F100-6VC
[J] 12-Fiber SDX Adapter Plate, OM1, Duplex SC (beige), zirconia ceramic sleeve	5F100-2IC
[K] 12-Fiber SDX Adapter Plate, OM2, Duplex SC (black), zirconia ceramic sleeve	5F100-2EC
[L] 12-Fiber SDX Adapter Plate, OM3, Duplex SC (aqua), zirconia ceramic sleeve	5F100-2QC
[M] 12-Fiber SDX Adapter Plate, OS2, Duplex SC (blue), zirconia ceramic sleeve	5F100-2LC
[N] 12-Fiber SDX Adapter Plate, OS2, Duplex SC/APC (green), zirconia ceramic sleeve	5F100-2VC
[O] 6-Fiber SDX Adapter Plate, ST MM/SM (black), zirconia ceramic sleeve	5F100-6MT
[P] 8-Fiber SDX Adapter Plate, ST MM/SM (black), zirconia ceramic sleeve	5F100-8MT
[Q] SDX Adapter Plate, blank (black)	5F100-PLT

## SDX FIBER ADAPTER PLATES, METAL

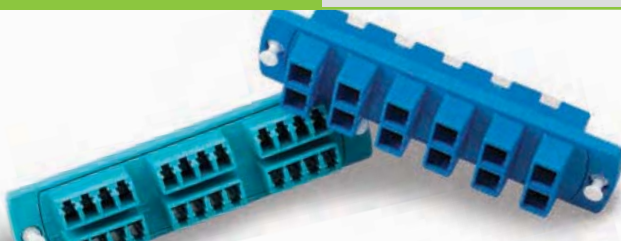
[R] 12-fibre SDX Adapter Plate (Black), OM4, Duplex LC (heather violet), zirconia ceramic sleeve*	5F100-12M
[S] 24-fibre SDX Adapter Plate (Black), OM4, Quad LC (heather violet), zirconia ceramic sleeve*	5F100-24M
[T] SDX Adapter Plate, 6 simplex MTP™ (black), key up/key down*	5F100-6MP
SDX Adapter Plate, 6 simplex MTP (black), key up/key up*	5F100-6MB
[U] SDX Adapter Plate, 8 simplex MTP (black), key up/key down*	5F100-8MP
SDX Adapter Plate, 8 simplex MTP (black), key up/key up*	5F100-8MB
[V] SDX Adapter Plate, 6-position QuickPort™ (black), empty	5F100-6QP

\* = Minimum order quantity and lead times may apply.

Additional adapter plate configurations available. Please contact Tech Support at +1 (425) 486 2222 for more information.

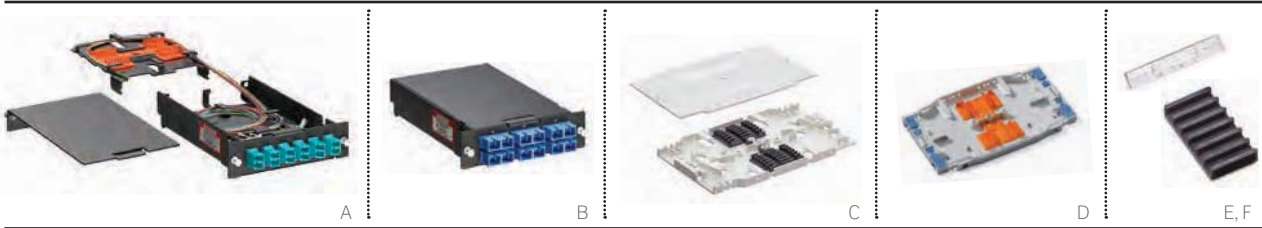
## SPOTLIGHT

## SDX Precision-Molded Adapter Plates



**Traditional adapter plate construction** typically uses independent couplers inserted in a metal plate that often results in a “rattling” of components. Leviton SDX Adapter Plates eliminate rattling and loose-fitting adapters by using precision molding and integrated adapters, improving the overall performance, functionality, and quality of construction. All multimode and single-mode SDX plates feature zirconia ceramic sleeves, providing high performance and low insertion loss (recommended for applications requiring 10 Gb/s and higher).

# SDX SYSTEMS | Splice Trays & Splice Modules



## SDX 12- & 24-FIBER SPLICE MODULES

- Integrate fiber adapter bulkhead (12 or 24 fibers) and splice holders, eliminating the need for splice trays
- Individual compartments provide slack storage and bend radius guides for respective backbone cable, 900  $\mu$ m tight-buffer pigtailed, and fusion-spliced fibers
- Modular design allows for ease of maintenance of individual spliced fiber and allows for scaling up without impacting existing fibers

## KEYQUICK™ MECHANICAL SPLICE

- Offers fast, accurate, and user-friendly mechanical splicing process
- Transparent body allows for visible light to ensure connection
- V Groove technology aligns fibers
- Average installation takes 30 seconds, with insertion loss level of 0.1 dB

### SDX 12- & 24-FIBER SPLICE MODULES

DESCRIPTION	PART NO.
<b>[A]</b> 12-Fiber Splice Module, LC*	SPLCS-12x
24-Fiber Splice Module, LC*	SPLCS-24x
<b>[B]</b> 12-Fiber Splice Module, SC*	SPSCS-12x

\* = Minimum order quantity and lead times may apply.

x = OM3 (A), OS2 (L), APC OS2 (V), OM4 (M)

Note: Splice-tray mounting hardware sold separately except as noted. Additional configurations available including mechanical splice.

Contact Customer Service at +1 (425) 486 2222 for more information.

### 12- & 24-FIBER SPLICE TRAY

DESCRIPTION	PART NO.
<b>[C]</b> 12-Fiber Heat-Shrink Splice Tray	FPCFAS003
<b>[D]</b> 24-Fiber Heat-Shrink-Style Molded Splice Tray (includes 60 mm splice sleeves)	T5PLS-24F
45 mm Fusion-Splice Protection Heat-Shrink Sleeve, pack of 12	30-0008-01

### KEYQUICK MECHANICAL SPLICE

DESCRIPTION	PART NO.
<b>[E]</b> KeyQuick Mechanical Splice 250 $\mu$ m, 900 $\mu$ m	FPCMS001
<b>[F]</b> KeyQuick Mechanical Splice Holder	FPCMSH06

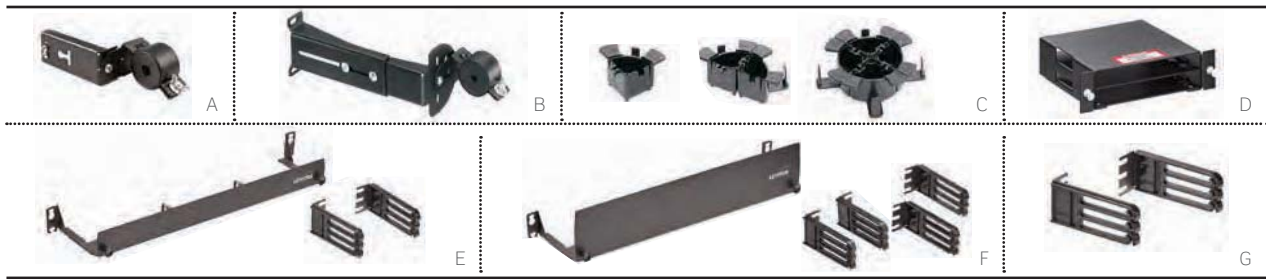
For assistance ordering your splice trays, call Customer Service at +1 (425) 486 2222.

## SPOTLIGHT | SDX Fiber Splice Modules

SDX 12- and 24-Fiber Splice Modules protect and organize heat-shrink fusion spliced fibers inside a fiber enclosure. Splice modules eliminate the need for individual splice trays within a fiber enclosure and provide optimal organization and slack management of fibers. Plus, the modular design enables faster field splicing and simple management of pigtails within the housing.







**SDX SYSTEM ACCESSORIES**

- Cable Clamp Kits minimize excessive pulling, bending, and crushing
- Support easy cable identification and decrease the need for tie-wraps inside the enclosure
- Fiber Cable Management Rings secure fiber slack
- Patch Cord Management Trays help route and organize cables, mount directly to the front of the enclosures, and do not require additional rack space
- HDX Retrofit Tray upgrades 2000i and 1000i SDX to accept HDX cassettes
- HDX-to-SDX Adapter Bracket upgrades SDX Enclosures to accept two HDX cassettes per bracket
- 0RU cable managers provides management of patch cords transitioning from horizontal to vertical pathway
- 1 and 2RU Cable Managers provide protection, routing, and management of patch cords for any flat panels

ACCESSORIES		AVAILABLE FOR			
		2000i SDX	1000i SDX	500i SDX	SDX WALL-MOUNT
DESCRIPTION	PART NO.				
<b>[A]</b> Universal Clamp Kit, single cable grommet (for enclosure mounting) ^	5RCMP-KIT	X	X	X	X
Universal Clamp Kit, multiple cable grommet (for enclosure mounting) ^	5RCMP-KT2	X	X	X	X
<b>[B]</b> Universal Clamp Kit, single and multiple cable grommet (for rack mounting) ^	5RCMR-KIT	X	X	X	
<b>[C]</b> Fiber Cable Management Quarter-Round Ring Kit (bag of four) ^	5R100-14R	X	X	X	
Lock and Key for Rack-Mount and Wall-Mount Enclosures ^	5L000-KAL		X		X
HDX Retrofit Sliding Tray 1RU ^	5R1UR-TRY	X	X		
HDX Retrofit Sliding Tray 2RU ^	5R2UR-TRY	X	X		
<b>[D]</b> HDX-to-SDX Adapter Bracket ^	HDXAD-ACC	X	X	X	X
<b>[E]</b> 1RU Patch Cord Management Tray, for use with any flat panels ^	5R1UX-CMT			X	
<b>[F]</b> 2RU Patch Cord Management Tray, for use with any flat panels ^	5R2UX-CMT			X	
<b>[G]</b> 0RU Patch Cord Managers, bag of 2 ^	5RCMT-VFG	X	X	X	
DIN Rail Bracket Kit (for mini enclosure only) ^	DNRAL-ACC				X
0RU Mounting Bracket, bag of 2 (for mini enclosure only) ^	5WMNB-ACC				X
Grounding Kit ^	DPGRD-KIT	X	X	X	X

^ = Minimum order quantity and lead times may apply.

**SPOTLIGHT** Cable Clamp Kits

**Cable clamp kits** minimize excessive pulling, bending, and crushing forces on cable. The 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 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.

Enclosure-Mount Universal Clamp Kit Installed





## FEATURED PRODUCTS

Panels **B25**

Cassettes **B26**

# e2XHD Snap-In Cassette Patching System

The e2XHD Copper and Fiber Patching System is an easy-to-connect, high-density solution for enterprise and data center applications, where fast deployment and simple maintenance are critical. The system includes 1RU high-density panels, copper and fiber snap-in cassettes, and accessories for additional cable protection and management. The e2XHD cassettes quickly snap in and pull out of the panels, making installation, moves, adds, and changes easier than ever. For copper cassettes, see page A20.



e2XHD Patching System  
FIBER

## e2XHD HIGH-DENSITY PATCH PANELS

High-density panels allow patching for up to 48 duplex fiber channels in a 1RU panel.



e2XHD MTP-MTP Pass-Through Cassette



e2XHD MTP-MTP Fiber Cassette, Core



## e2XHD FIBER CASSETTES

Fiber MTP™ Cassettes provide a simple migration path to 40G or 100G networks. The cassettes are pre-terminated and available in 12 or 24-fibers, OM3, OM4, or OS2 single-mode.

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.



e2XHD 12-fiber QuickPort™ LC Cassette, OM3 Aqua

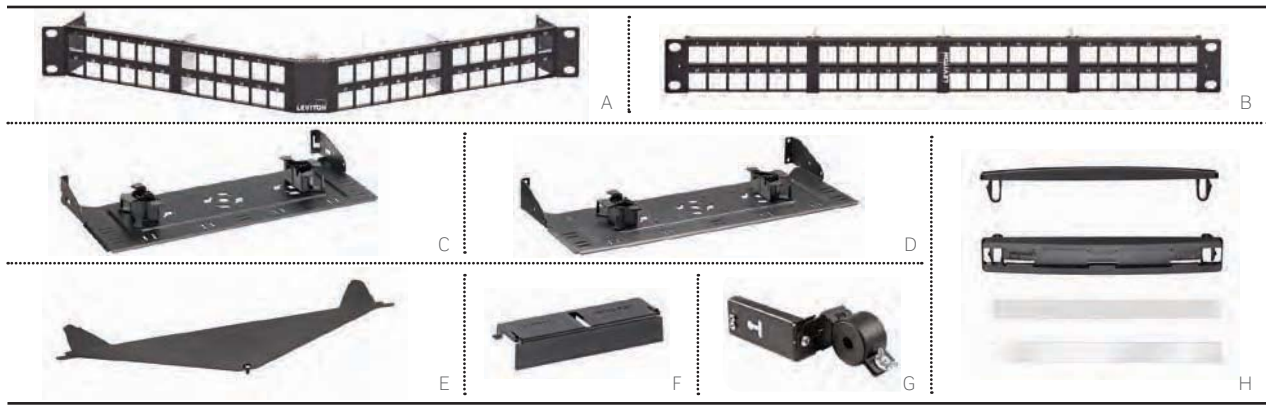
### WATCH: TRAINING VIDEOS



[Leviton.com/ns/videos](http://Leviton.com/ns/videos)  
"e2XHD Cassette-Based Patching System"



# e2XHD SNAP-IN CASSETTE PATCHING SYSTEM | Panels, Cable Managers, Covers & Tools



## HIGH-DENSITY PANELS

- Allows for fiber and copper in the same panel
- 1RU panels hold up to 8 single-height fiber cassettes (48-fiber channels)
- Alignment tabs on panels ensure upright insertion of cassettes
- Mount on standard 19-inch racks or cabinets

## ANGLED PANEL COVER

- Uses no additional rack space
- Minimizes dust and debris behind panels
- Attaches directly to e2XHD Angled Panel
- Can be retrofitted after panel is installed
- Can be used for top and bottom of panels

## REAR CABLE MANAGERS

- Support both fiber and copper cables
- Cable management rings included to help manage and route incoming fiber cables
- Built-in VELCRO® Brand tie downs secure cables
- Optional Clamp Kits available to provide cable strain relief for incoming cables
- Flat Panel Manager mounts to rack or cabinet; screws included
- Angled Panel Manager attaches directly to panels

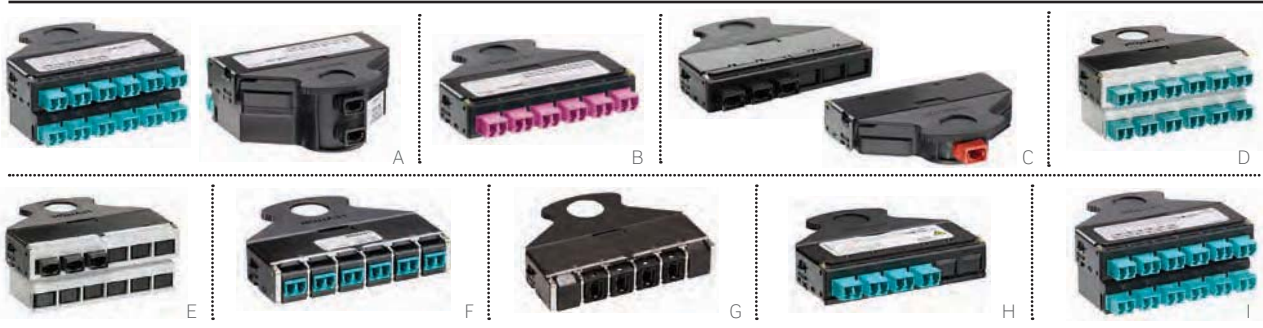


e2XHD Snap-In Cassette Patching System for copper applications on page A20.

e2XHD PANELS, CABLE MANAGERS, COVERS & TOOLS		
DESCRIPTION		PART NO.
[A]	1RU 48-Port e2XHD Angled High-Density Panel, supports UTP, shielded, and fiber media	E2X1A-S48
[B]	1RU 48-Port e2XHD Flat High-Density Panel, supports UTP, shielded, and fiber media	E2X1F-S48
[C]	e2XHD Rear Cable Manager for Angled Panel, with fiber storage rings (four ¼" rings)	E2XHD-CMB
[D]	e2XHD Rear Cable Manager for Flat Panel, with fiber storage rings (four ¼" rings)	E2X1F-CMB
[E]	e2XHD Angled Panel Cover	E2XHD-COV
[F]	e2XHD Cassette Blank	E2XHD-BLK
	QuickPort™ Connector Removal Tool	E2XHD-JRT
[G]	Universal Clamp Kit, single cable grommet (mounts to Rear Cable Manager)	5RCMP-KIT
	Universal Clamp Kit, multiple cable grommet (mounts to Rear Cable Manager)	5RCMP-KT2
	Universal Clamp Kit, single and multiple cable grommet (for rack mounting)	5RCMR-KIT
[H]	e2XHD Label Kit (4 pack)*	E2XHD-LBL

+ = Label kit occupies one row of panel.

# e2XHD SNAP-IN CASSETTE PATCHING SYSTEM | Cassettes



## FIBER CASSETTES

- Easy to migrate from 10 to 25, 40 and 100 Gb/s when used with Leviton cable assemblies
- Used exclusively with e2XHD panels
- Available in MTP-MTP or MTP-LC
- Available in 12- or 24-fiber, OM3, OM4, OS2
- MTP™ adapter swivel allows for easy cable routing and proper bend radius
- QuickPort™ MTP-LC Cassette uses QuickPort modular fiber adapters; can be removed with QuickPort Connector Removal Tool
- All cassettes use either 24-fiber or 12-fiber low-loss MTP connectors
- Blank cassettes reserve capacity for future cassettes, easily snap into rear of panel to block unused cassette openings
- Conversion cassettes available (40G to 10G, 100G to 10G, 120G to 10G)

For assistance customizing your cassettes, please visit [Leviton.com/configurator](http://Leviton.com/configurator) or call Tech Support at +1 (425) 486 2222.



## e2XHD PATCHING SYSTEM CASSETTES

DESCRIPTION	PART NO.
<b>[A]</b> 24-Fiber e2XHD Cassette, MTP-LC, core (2x12 fiber MTP)	(see options below)
<b>[B]</b> 12-Fiber e2XHD Cassette, OM4, MTP-LC, core (1x12 fiber MTP)	(see options below)
<b>[C]</b> 24-Fiber e2XHD Cassette, MTP-MTP, core (1x24 fiber MTP)	(see options below)
24-Fiber e2XHD Cassette, MTP-MTP, edge (1x24 fiber MTP)	(see options below)
<b>[D]</b> 24-Fiber e2XHD Cassette, MTP-LC, edge (2x12 fiber MTP)	(see options below)
<b>[E]</b> 24-Fiber e2XHD Cassette, MTP-MTP, edge (1x24 fiber MTP)	(see options below)
<b>[F]</b> 12-Fiber e2XHD QuickPort Cassette, OM3, LC (aqua)	E2XLC-AQU
12-Fiber e2XHD QuickPort Cassette, OM4, LC (heather violet)*	E2XLC-HVL
12-Fiber e2XHD QuickPort Cassette, OS2, LC (blue)	E2XLC-BLU
<b>[G]</b> e2XHD Cassette, MTP-MTP passthrough, four key-up/key-down adapters	E2XHD-4MP
e2XHD Cassette, MTP-MTP passthrough, four key-up/key-up adapters	E2XHD-4MB
<b>[H]</b> 8-Fiber e2XHD Conversion Cassette, 40G to 10G OM3, MTP-LC*	FME2XHD-E008CKQDJ
8-Fiber e2XHD Conversion Cassette, 40G to 10G OM4, MTP-LC*	FME2XHD-F008CKQDJ
8-Fiber e2XHD Conversion Cassette, 40G to 10G OS2, MTP-LC*	FME2XHD-A008CKQDJ
<b>[I]</b> 24-Fiber e2XHD Conversion Cassette, 120G to 10G OM3, MTP-LC*	FME2XHD-E024CHQES4
24-Fiber e2XHD Conversion Cassette, 120G to 10G OM4, MTP-LC*	FME2XHD-F024CHQES4
24-Fiber e2XHD Conversion Cassette, 120G to 10G OS2, MTP-LC*	FME2XHD-A024CHLES4

\* = Minimum order quantity and lead times may apply.

## Make-to-Order! e2XHD MTP FIBER CASSETTE OPTIONS

FIBER TYPE	FIBER COUNT	CONNECTOR TYPE	MTP FIBER COUNT	POLARITY
<ul style="list-style-type: none"> <li>• OM3 (aqua)</li> <li>• OM4 (heather violet)</li> <li>• OS2</li> </ul>	<ul style="list-style-type: none"> <li>• 8</li> <li>• 12</li> <li>• 24</li> </ul>	<ul style="list-style-type: none"> <li>• LC</li> <li>• 8F MTP (female)</li> </ul>	<ul style="list-style-type: none"> <li>• 12F MTP</li> <li>• 24F MTP</li> </ul>	<ul style="list-style-type: none"> <li>• Method A</li> <li>• Method B, Core, black</li> <li>• Method B, Edge, white</li> <li>• Method C</li> </ul>





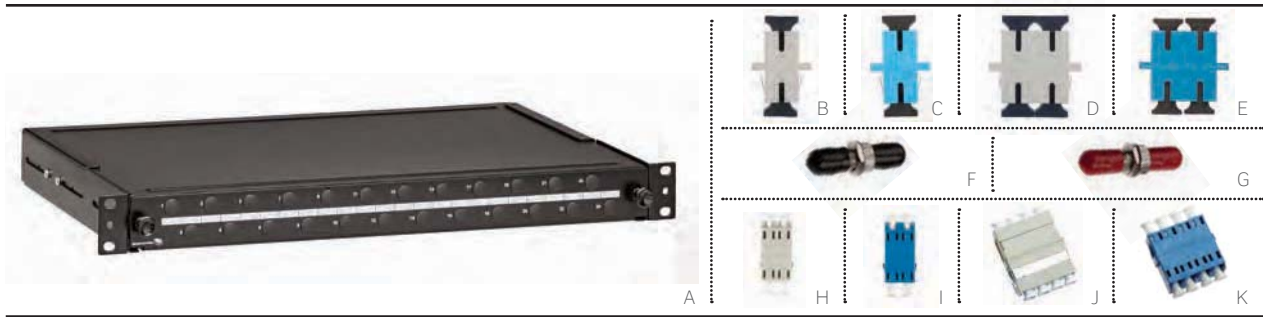
## FEATURED PRODUCTS

Panels **B28**

Adapters **B28**

# FibrePlus System

FibrePlus panels are designed with an emphasis on usability and accessibility, while allowing for up to 96 connections per rack unit. The panels are available empty or preloaded, and their shallow depth allows for installation in most standard racks and wall-mount enclosures.



## FIBREPLUS UNLOADED PANELS & PANEL OPTIONS

- 1RU 19-inch panels available in black
- Available to support ST, SC, or LC adapters
- Sliding tray for easy access complete with quick release fastenings
- Front panel includes a port identification strip
- Raised slots in the panel base allow for customized fiber management configurations and additional securing for incoming cables
- Additional adapter blanking plugs are available on request
- Suitable for both Blolite and conventional fiber cables

## OPTICAL ADAPTERS

- LC adapters (duplex and quad) have a polymer body with a precision alignment sleeve
- SC adapters (simplex and duplex) have a polymer body and precision alignment sleeve
- ST adapters have a nickel plated zinc die-cast body with precision alignment sleeve

FIBREPLUS UNLOADED PANELS & PANEL OPTIONS	
DESCRIPTION	PART NO.
<b>[A]</b> Unloaded Panel for up to 24 ST, black	FPCC1SXXX24ST2
Unloaded Panel for up to 12 SC Duplex or LC Quad adapters, black	FPCC1SXXX24DC2
Unloaded Panel for up to 24 SC Duplex or LC Quad adapters, black	FPCC1SXXX48DC2
Unloaded Panel for up to 24 SC Simplex or LC Duplex adapters, black	FPCC1SXXX48SC2
Fiber Management Kit (includes loops and 24 way splice bridge)	FPCFMKIT001
Adapter Collar for 3 mm Blolite Straight Connector	30-0301-5
ST/FC Blanking Plugs, black, pack 100	BPEST101-100
SC Simplex Blanking Plug (also suitable for LC), black, pack 100	BPESC101-100
SC Duplex Blanking Plug (also suitable for LC Quad), black, pack 100	BPESC301-100
MP25 Manifold Gland	30-4800-09
OPTICAL ADAPTERS	
SC ADAPTERS	PART NO.
<b>[B]</b> SC, multimode, zirconia ceramic sleeve, beige	BHCSCMM001
<b>[C]</b> SC, single-mode, zirconia ceramic sleeve, blue	BHCSCSM001
<b>[D]</b> SC Duplex, multimode, zirconia ceramic sleeve, beige	BHCDCMM001
<b>[E]</b> SC Duplex, single-mode, zirconia ceramic sleeve, blue	BHCDCSM001
ST ADAPTERS	PART NO.
<b>[F]</b> ST, multimode, zirconia ceramic sleeve	BHCSTMM001
<b>[G]</b> ST, single-mode, zirconia ceramic sleeve	BHCSTSM001
LC ADAPTERS	PART NO.
<b>[H]</b> LC Duplex, multimode, zirconia ceramic sleeve, beige	BHCLCMM001
<b>[I]</b> LC Duplex, single-mode, zirconia ceramic sleeve, blue	BHCLCSM001
<b>[J]</b> LC Quad, multimode, zirconia ceramic sleeve, beige	BHCL4MM001
<b>[K]</b> LC Quad, single-mode, zirconia ceramic sleeve, blue	BHCL4SM001



A

## FIBREPLUS PRELOADED PATCH PANELS

- 1RU 19-inch panels available in black
- Available preloaded with ST, SC, or LC adapters
- Sliding tray for easy access complete with quick release fastenings
- Shallow depth allows for installation in most standard racks and wall-mount enclosures
- Front panel includes a port identification strip
- Raised slots in the panel base allow for customized fiber management configurations and additional securing options for incoming cables
- Additional adapter blanking plugs are available on request
- Suitable for both Blolite and conventional fiber cables

[A] FIBREPLUS PRELOADED PATCH PANELS						
DESCRIPTION	4 ADAPTER	6 ADAPTER	8 ADAPTER	12 ADAPTER	16 ADAPTER	24 ADAPTER
ST, single-mode	FPCC1SXSM04ST2	FPCC1SXSM06ST2	FPCC1SXSM08ST2	FPCC1SXSM12ST2	FPCC1SXSM16ST2	FPCC1SXSM24ST2
ST, multimode	FPCC1SXMM04ST2	FPCC1SXMM06ST2	FPCC1SXMM08ST2	FPCC1SXMM12ST2	FPCC1SXMM16ST2	FPCC1SXMM24ST2
SC Duplex, single-mode	FPCC1SXSM08DC2	FPCC1SXSM12DC2	FPCC1SXSM16DC2	FPCC1SXSM24DC2	FPCC1SXSM32DC2	FPCC1SXSM48DC2
SC Duplex, multimode	FPCC1SXMM08DC2	FPCC1SXMM12DC2	FPCC1SXMM16DC2	FPCC1SXMM24DC2	FPCC1SXMM32DC2	FPCC1SXMM48DC2
SC Simplex, single-mode	FPCC1SXSM04SC2	FPCC1SXSM06SC2	FPCC1SXSM08SC2	FPCC1SXSM12SC2	FPCC1SXSM16SC2	FPCC1SXSM24SC2
SC Simplex, multimode	FPCC1SXMM04SC2	FPCC1SXMM06SC2	FPCC1SXMM08SC2	FPCC1SXMM12SC2	FPCC1SXMM16SC2	FPCC1SXMM24SC2
LC Duplex, single-mode	FPCC1SXSM08LC2	FPCC1SXSM12LC2	FPCC1SXSM16LC2	FPCC1SXSM24LC2	FPCC1SXSM32LC2	FPCC1SXSM48LC2
LC Duplex, multimode	FPCC1SXMM08LC2	FPCC1SXMM12LC2	FPCC1SXMM16LC2	FPCC1SXMM24LC2	FPCC1SXMM32LC2	FPCC1SXMM48LC2
LC Quad, single-mode	—	—	—	—	—	FPCC1SXSM96LC2
LC Quad, multimode	—	—	—	—	—	FPCC1SXMM96LC2



A



B

## HIGH-DENSITY FIBER MANAGEMENT PANELS

- 48 fibers (12 quad LC adapters) in 1RU
- 1RU panel suitable for installation in 17-inch and 19-inch racks
- Two unique half-RU trays can be accessed individually; each tray pivots and slides out, allowing dress and splice work without completely removing the tray
- Adapters are angled for ease of management
- Can be supplied with or without pigtails
- Clear hinging lid to allow visibility within tray without the need to remove any parts

## DUAL-PIVOTING PATCH PANEL

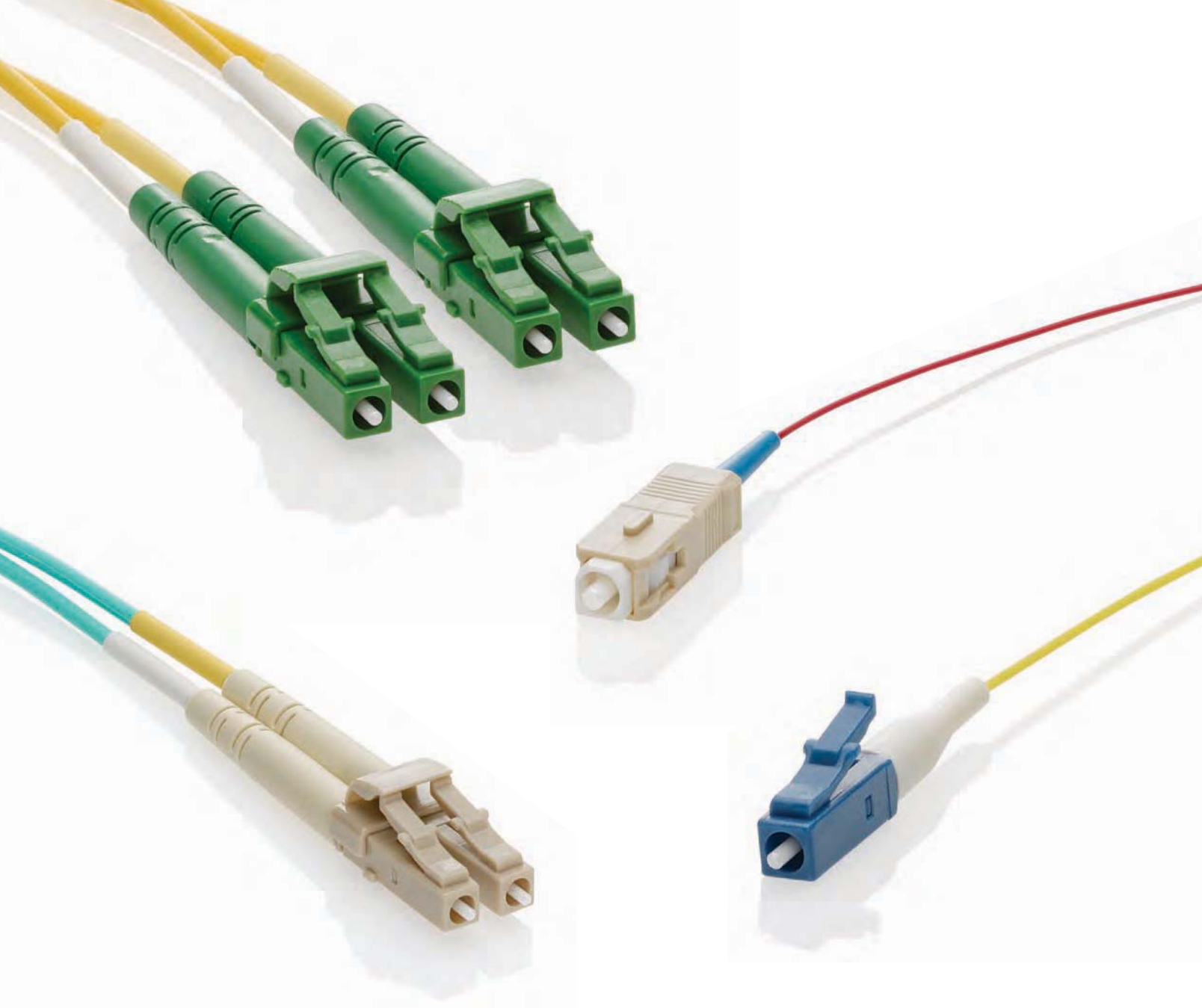
- 1RU 19-inch panel with two pivoting cassettes
- Clear storage of connections while allowing for easy access to adapters in the event of moves, adds, or changes
- Allows two cassettes to pivot out in both directions, creating access to the fiber management while maintaining a fixed cable entry point
- Each cassette can be managed individually
- Accessible transparent lid to protect fiber and allow access to adjust or change the connections while installed

### HIGH-DENSITY FIBER MANAGEMENT PANELS

DESCRIPTION	PART NO.
<b>[A]</b> 1RU High-Density Fiber Management Panel, 48 LC ports, dual cassette, part loaded with 12 x Quad LC Multimode adapters and glands, black	FPCPC1XMM48LC2
1RU High-Density Fiber Management Panel, 48 LC ports, dual cassette, part loaded with 12 x Quad LC Single-mode adapters and glands, black	FPCPC1XSM48LC2
1RU High-Density Fiber Management Panel, 48 LC ports, dual cassette, loaded with 12 x Quad LC Single-mode adapters, glands and 48 x 2m 900µm Simplex OS1/OS2 easy strip pigtails, black	FPCPC100848LC2
1RU High-Density Fiber Management Panel, 48 LC ports, dual cassette, loaded with 12 x Quad LC Multimode adapters, glands and 48x 2m 900µm simplex OM3 easy strip pigtails, black	FPCPC1OM348LC2

### FIBREPLUS DUAL-PIVOTING PATCH PANELS

1RU 19" Optical Dual-Pivoting Panel - populated with single-mode flangeless LC Quad adapters	TCCPC1SM48LC2
<b>[B]</b> 1RU 19" Optical Dual-Pivoting Panel 1RU - populated with multimode flangeless LC Quad adapters	TCCPC1MM48LC2
1RU 19" Optical Dual-Pivoting Panel 1RU - unpopulated	TCCPC1XXXXXX2



## FEATURED PRODUCTS

Trunk Cables **B33**

Harnesses **B35**

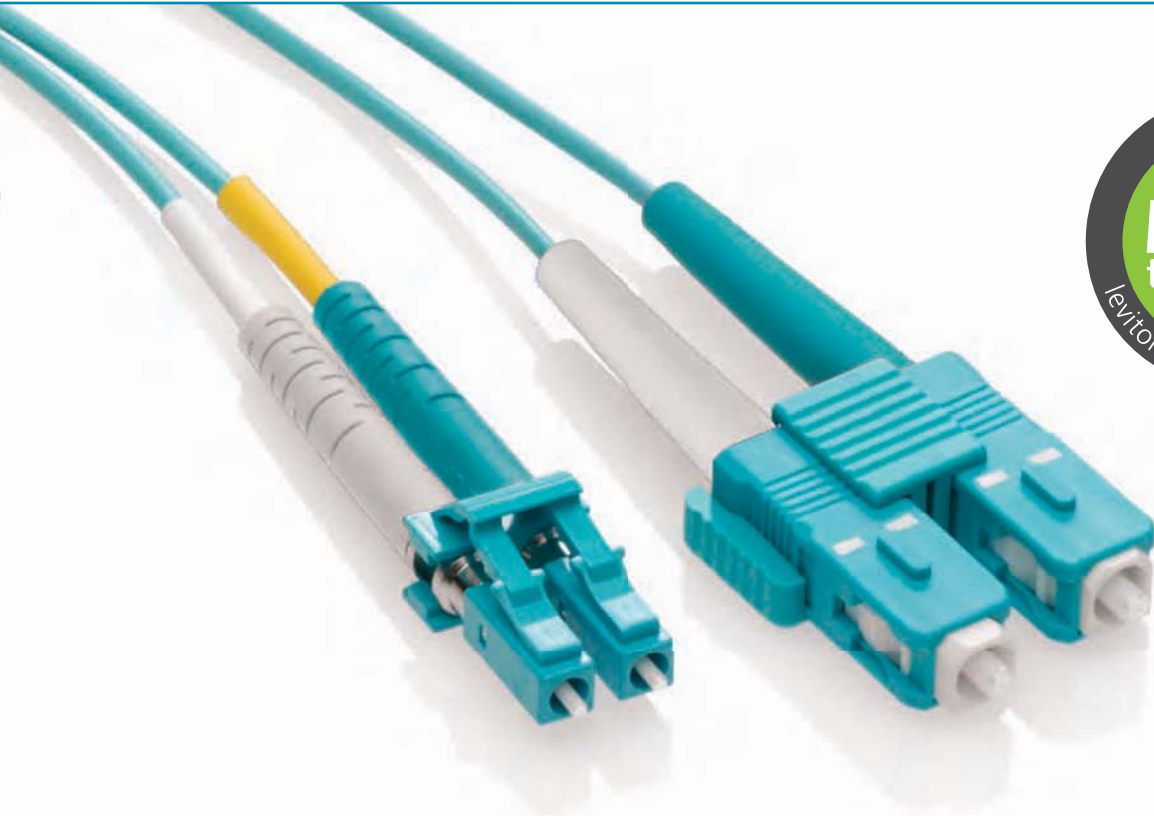
Array Cords **B36**

Patch Cords **B37**

# Pre-Terminated Cable Assemblies

Simplify fiber connection and termination with Leviton cable assemblies. Choose from a wide selection of array cords, trunk cables, and harnesses to protect and future-proof your critical networks. Pre-terminated cable assemblies in both multimode and single-mode are all made to customer specifications. Choose cable type, connector combinations, length, mode, and more. Configure online at [Leviton.com/configurator](http://Leviton.com/configurator).





Pre-Terminated  
Cable Assemblies

FIBER

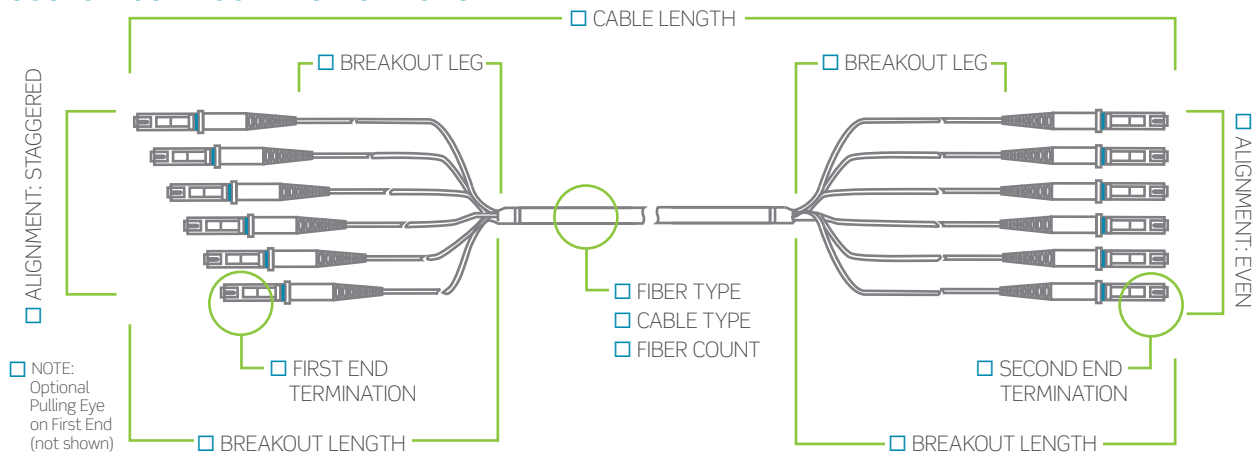
## BUILD YOUR OWN PRODUCTS WITH THE LEVITON MAKE-TO-ORDER PROGRAM

We've made building the exact solution for your network quicker and easier than ever. Rely on our innovative online custom configurators for a wide variety of fiber and copper products.

### MAKE-TO-ORDER CABLE ASSEMBLIES

- Pre-Terminated Fiber Array cords
- Pre-Terminated Fiber Trunks
- Fiber MTP™ Harnesses

### CUSTOM CONFIGURATION OPTIONS



# PRE-TERMINATED CABLE ASSEMBLIES | Pre-Terminated Trunk Cables

Pre-Terminated Cable Assemblies

FIBER

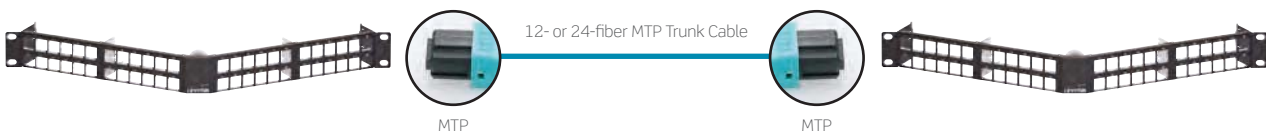


## PRE-TERMINATED TRUNK CABLES

- Up to 70% faster install than field-terminated trunks
- 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, SC, and MTP
- MTP polarity options are TIA methods A, B, or C
- 100% factory tested, with test results included for each assembly
- All assemblies labeled with serial number and length for traceability and easy reorder



## SPOTLIGHT Migration Path to 40G & 100G



Leviton pre-terminated MTP solutions offer an ideal migration path from 10G to 40G and 100G channels. Leviton offers MTP trunks, harnesses, array cords, adapter plates, and cassettes to help future-proof your networks. The solutions are fully compatible with UHDx, HDx, SDx, HI-DEX, and e2XHD (shown) footprints.



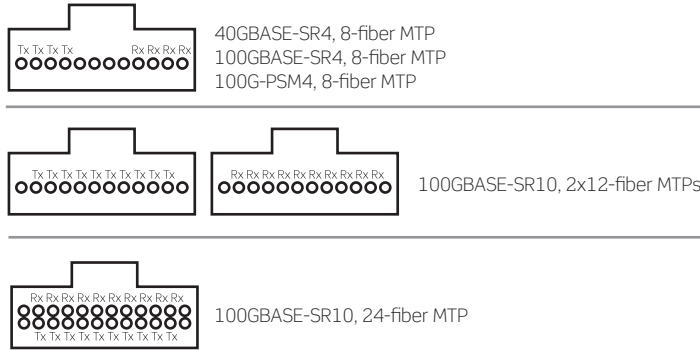
**10G**  
Leviton components for a 10G channel include MTP-LC SDX, e2XHD, or HDX cassettes, and LC duplex patch cords.

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

**100G**  
Moving from 40G to 100G replaces MTP cassettes with MTP Adapter plates and uses 24-fiber MTP array cords.

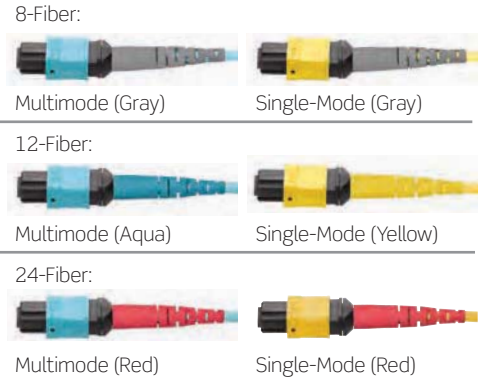
# PRE-TERMINATED CABLE ASSEMBLIES | Pre-Terminated Trunk Cables

## MTP™ LANE ASSIGNMENTS FOR 40/100 GB/S



NOTE: Per IEEE 802.3ba and 802.3bm

## COLOR-CODED BOOTS ON MTP



Make-to-Order!		PRE-TERMINATED TRUNK CABLE OPTIONS								
FIBER TYPE	CABLE TYPE	FIBER COUNT	FIRST-END TERMINATION	SECOND-END TERMINATION	CABLE LENGTH (METERS)	BREAKOUT LENGTH (METERS)	BREAKOUT TYPE	PULLING EYE	POLARITY	LABELING
• OM3 • OM4 • OS2	• Trunk Cable EuroClass Cca • Trunk Cable EuroClass Dca	• 12	• 24 F MTP (male)	• 24 F MTP (male)	• Min = 3 m • Max = 550 m	• 0.5 • 0.9 • 1.0 • 1.5	• 2 mm Jacketed Fiber • 3 mm Jacketed Fiber • 3.6 mm Jacketed Fiber	• Yes • No	• Method A • Method B • Method C	• Standard • Custom
		• 24 • 48 • 96 • 144	• 24 F MTP (female) • 12 F MTP (male) • 12 F MTP (female) • 8 F MTP (female) • 8 F MTP (male) • SC Duplex APC • LC Duplex APC • LC Duplex • SC Duplex • LC Uniboot APC • LC Uniboot	• 24 F MTP (female) • 12 F MTP (male) • 12 F MTP (female) • 8 F MTP (female) • 8 F MTP (male) • SC Duplex APC • LC Duplex APC • LC Duplex • SC Duplex • LC Uniboot APC • LC Uniboot						

For assistance customizing your trunks, please visit [Leviton.com/ns/emea](http://Leviton.com/ns/emea) or call +44 (0) 1592 778494.

## SPOTLIGHT Pulling Eye



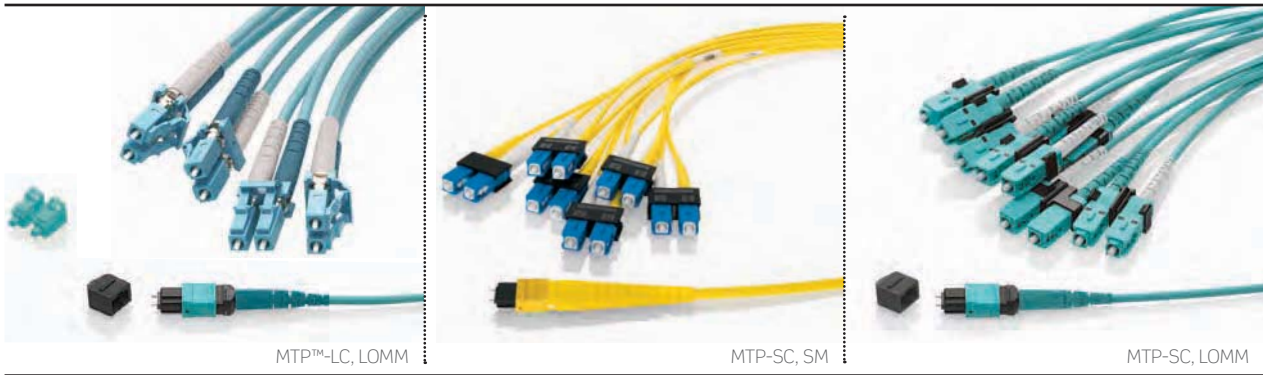
The pulling eye protects fiber connectors on 12- through 144-fiber trunk cables. It completely covers the breakout length, transferring any pulling force from the assembly to the pulling eye sleeve. Customers can specify which end to have the pulling eye installed.

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

# PRE-TERMINATED CABLE ASSEMBLIES | Harnesses

Pre-Terminated Cable Assemblies

FIBER



## HARNESSES

- Pre-terminated MTP-to-discrete connectors (LC, SC, ST) in all fiber types
- Custom short-length cable reduces congestion in cabinet or rack patching applications
- Custom staggering available
- Straight polarity configuration
- Used in conjunction with MTP brackets (Zero-U) or Flush-Mount Series MTP 1RU panels
- Used as direct connect into SAN equipment
- 100 percent factory tested, with test results included for each assembly
- All assemblies labeled with serial number and length for traceability and easy re-order
- Small diameter cable for dense connectivity
- Available with optional reversing polarity LC Uniboot



Make-to-Order!		HARNESSES OPTIONS						
FIBER TYPE	CABLE TYPE	FIBER COUNT	1ST END CONNECTOR	2ND END CONNECTOR	CABLE LENGTH (METERS)	BREAKOUT LENGTH (METERS)	POLARITY	LABELLING
<ul style="list-style-type: none"> <li>• OM3</li> <li>• OM4</li> <li>• OS2</li> </ul>	<ul style="list-style-type: none"> <li>• Harness Cable EuroClass Cca</li> <li>• Harness Cable EuroClass Eca</li> </ul>	<ul style="list-style-type: none"> <li>• 8</li> <li>• 12</li> <li>• 24</li> </ul>	<ul style="list-style-type: none"> <li>• 8 F MTP (female)</li> <li>• 8 F MTP (male)</li> <li>• 12 F MTP (female)</li> <li>• 12 F MTP (male)</li> <li>• 24 F MTP (female)</li> <li>• 24 F MTP (male)</li> </ul>	<ul style="list-style-type: none"> <li>• LC Duplex</li> <li>• SC Duplex</li> <li>• LC Uniboot</li> <li>• SC Duplex APC</li> <li>• LC Duplex APC</li> <li>• LC Uniboot APC</li> <li>• 8 F MTP (female)</li> <li>• 8 F MTP (male)</li> </ul>	<ul style="list-style-type: none"> <li>• Min = 2 m</li> <li>• Max = 15 m</li> </ul>	<ul style="list-style-type: none"> <li>• 0.5</li> <li>• 0.9</li> <li>• 1.0</li> <li>• 1.5</li> </ul>	<ul style="list-style-type: none"> <li>• Method A</li> <li>• Method B, Core</li> <li>• Method B, Edge</li> <li>• Method C</li> </ul>	<ul style="list-style-type: none"> <li>• Standard</li> <li>• Custom</li> </ul>

For assistance customizing your harnesses, please visit [Leviton.com/configurator](http://Leviton.com/configurator) or call call +44 (0) 1592 778494.

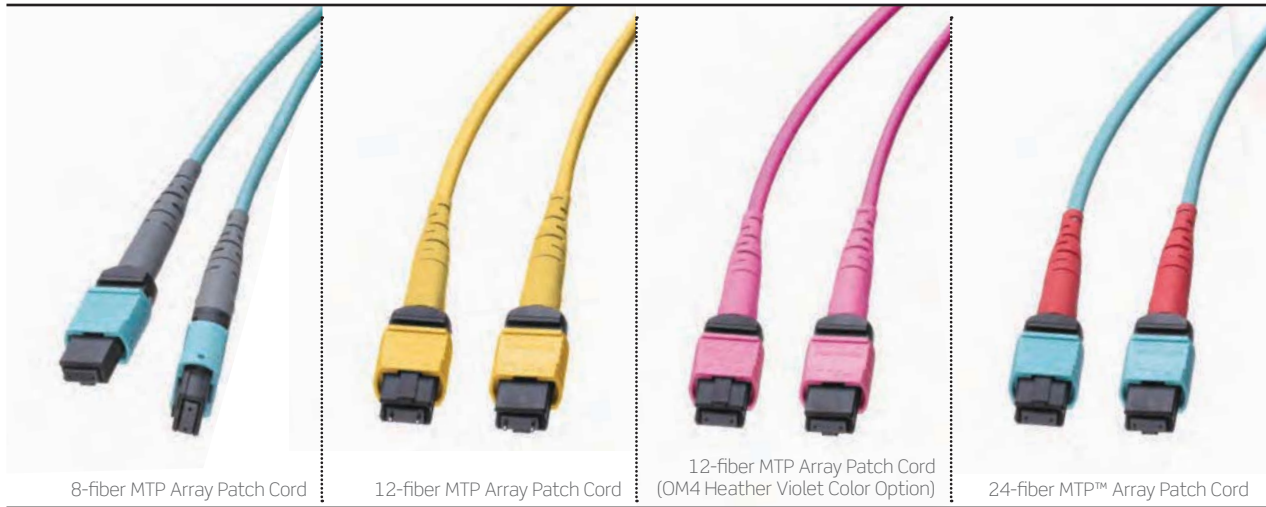
## SPOTLIGHT Conversion Harnesses

**Conversion Harnesses** connect to electronics with LC-style ports. Ideal for channels connecting QSFP+ and SFP+ transceivers, the harnesses can aggregate 10G ports to a 40G or 100G port. Available in 50 µm OM3 and OM4 multimode fiber with optional reversing polarity LC Uniboot, conversion harnesses feature a small diameter cable for dense connectivity and bend-insensitive fiber to lower risk of pinched cables. Conversion cassettes are available in an HDX and an e2XHD footprint.



Brand-Rex is a subsidiary of Leviton Mfg. Co., Inc

# PRE-TERMINATED CABLE ASSEMBLIES | 40/100G Array Cords



Pre-Terminated Cable Assemblies

**FIBER**

## 40/100G MTP ARRAY CORDS

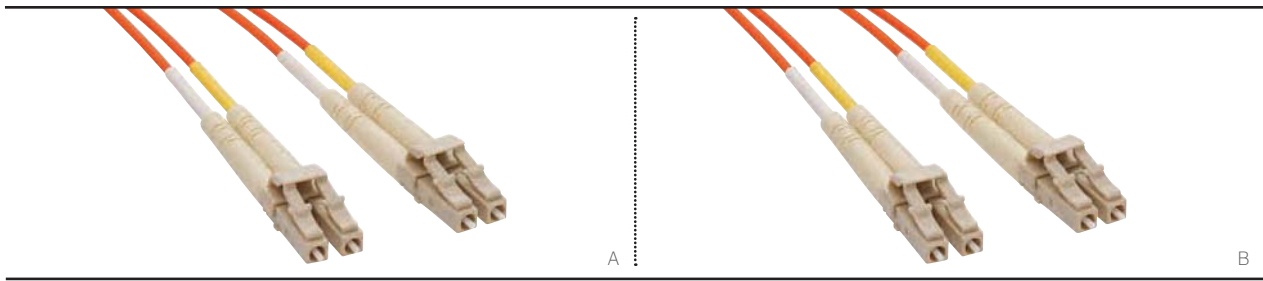
- OM3, OM4, and OS2
- 8-, 12-, and 24-fiber MTP array cords offer migration path from 10G to 40/100G
- Available up to 30 meters



Make-to-Order!		MTP ARRAY CORDS					
FIBER TYPE	FIBER COUNT	CABLE TYPE	FIRST-END TERMINATION	SECOND-END TERMINATION	POLARITY	LENGTH (METERS)	LABELING
<ul style="list-style-type: none"> <li>• OM3</li> <li>• OM4</li> <li>• OS2</li> </ul>	<ul style="list-style-type: none"> <li>• 8</li> <li>• 12</li> <li>• 24</li> </ul>	<ul style="list-style-type: none"> <li>• Array Cable EuroClass Eca</li> <li>• Array Cable EuroClass Cca</li> </ul>	<ul style="list-style-type: none"> <li>• 8-fiber MTP (male)</li> <li>• 8-fiber MTP (female)</li> <li>• 12-fiber MTP (male)</li> <li>• 12-fiber MTP (female)</li> <li>• 24-fiber MTP (male)</li> <li>• 24-fiber MTP (female)</li> </ul>	<ul style="list-style-type: none"> <li>• 8-fiber MTP (male)</li> <li>• 8-fiber MTP (female)</li> <li>• 12-fiber MTP (male)</li> <li>• 12-fiber MTP (female)</li> <li>• 24-fiber MTP (male)</li> <li>• 24-fiber MTP (female)</li> </ul>	<ul style="list-style-type: none"> <li>• Method A</li> <li>• Method B</li> <li>• Method C</li> </ul>	<ul style="list-style-type: none"> <li>• Min = 1 m</li> <li>• Max = 30 m</li> </ul>	<ul style="list-style-type: none"> <li>• Standard</li> <li>• Custom</li> </ul>



# PRE-TERMINATED CABLE ASSEMBLIES | Patch Cords



## MULTIMODE OPTICAL PATCH CORDS

- LC, SC, and ST options available
- Low-Smoke Halogen Free (LSHF/LSZH)
- 100% factory tested
- Individually packed and labeled

### 62.5/125 OM1 MULTIMODE OPTICAL PATCH CORDS

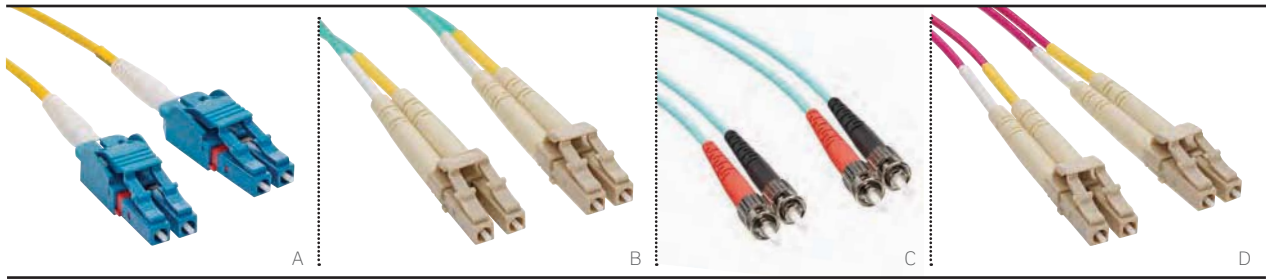
DESCRIPTION	1M	2M	3M	5M
LC - SC Duplex	HOPLC062010SC293	HOPLC062020SC293	HOPLC062030SC293	HOPLC062050SC293
LC - ST Duplex	HOPLC062010ST293	HOPLC062020ST293	HOPLC062030ST293	HOPLC062050ST293
<b>[A]</b> LC - LC Duplex	HOPLC062010LC293	HOPLC062020LC293	HOPLC062030LC293	HOPLC062050LC293
SC - SC Duplex	HOPSC062010SC291	HOPSC062020SC291	HOPSC062030SC291	HOPSC062050SC291
SC - ST Duplex	HOPSC062010ST291	HOPSC062020ST291	HOPSC062030ST291	HOPSC062050ST291
ST - ST Duplex	HOPST062010ST291	HOPST062020ST291	HOPST062030ST291	HOPST062050ST291

### 50/125 OM2 MULTIMODE OPTICAL PATCH CORDS

LC - SC Duplex	HOPLC050010SC293	HOPLC050020SC293	HOPLC050030SC293	HOPLC050050SC293
LC - ST Duplex	HOPLC050010ST293	HOPLC050020ST293	HOPLC050030ST293	HOPLC050050ST293
<b>[B]</b> LC - LC Duplex	HOPLC050010LC293	HOPLC050020LC293	HOPLC050030LC293	HOPLC050050LC293
SC - SC Duplex	HOPSC050010SC291	HOPSC050020SC291	HOPSC050030SC291	HOPSC050050SC291
SC - ST Duplex	HOPSC050010ST291	HOPSC050020ST291	HOPSC050030ST291	HOPSC050050ST291
ST - ST Duplex	HOPST050010ST291	HOPST050020ST291	HOPST050030ST291	HOPST050050ST291

Manufactured to comply with: ISO/IEC 11801, EN50173 -1, ANSI/TIA-568.3-D

# PRE-TERMINATED CABLE ASSEMBLIES | Patch Cords



## MULTIMODE OPTICAL PATCH CORDS

- LC, SC, FC, and ST options available
- Low-Smoke Halogen Free (LSHF/LSZH)
- 100% factory tested
- Individually packed and labeled
- LC Uniboot option features switchable boots for change in polarity

### OM3 & OM4 BEND INSENSITIVE OPTICAL PATCH CORDS WITH UNIBOOT

DESCRIPTION	1M	2M	3M	4M	5M
LC-LC, Uniboot, OM3	BOPLCOM3010LC257	BOPLCOM3020LC257	BOPLCOM3030LC257	BOPLCOM3040LC257	BOPLCOM3050LC257
<b>[A]</b> LC-LC, Uniboot, OM4	BOPLCOM4010LC277	BOPLCOM4020LC277	BOPLCOM4030LC277	BOPLCOM4040LC277	BOPLCOM4050LC277

### 50/125 OM3 MULTIMODE OPTICAL PATCH CORDS (AQUA JACKET)

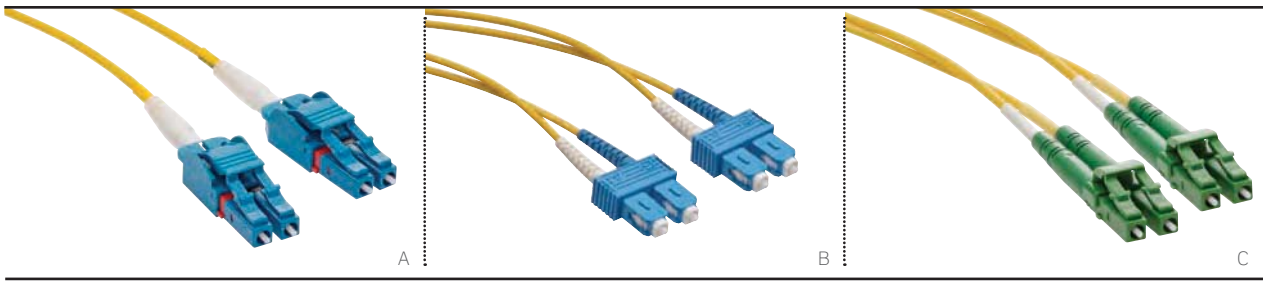
DESCRIPTION	1M	2M	3M	5M
LC - SC Duplex	HOPLCOM3010SC253	HOPLCOM3020SC253	HOPLCOM3030SC253	HOPLCOM3050SC253
LC - ST Duplex	HOPLCOM3010ST253	HOPLCOM3020ST253	HOPLCOM3030ST253	HOPLCOM3050ST253
<b>[B]</b> LC - LC Duplex	HOPLCOM3010LC253	HOPLCOM3020LC253	HOPLCOM3030LC253	HOPLCOM3050LC253
SC - SC Duplex	HOPSCOM3010SC251	HOPSCOM3020SC251	HOPSCOM3030SC251	HOPSCOM3050SC251
SC - ST Duplex	HOPSCOM3010ST251	HOPSCOM3020ST251	HOPSCOM3030ST251	HOPSCOM3050ST251
<b>[C]</b> ST - ST Duplex	HOPSTOM3010ST251	HOPSTOM3020ST251	HOPSTOM3030ST251	HOPSTOM3050ST251

### 50/125 OM4 MULTIMODE OPTICAL PATCH CORDS (HEATHER VIOLET JACKET)

DESCRIPTION	1M	2M	3M	5M
LC - SC Duplex	HOPLCOM4010SC273	HOPLCOM4020SC273	HOPLCOM4030SC273	HOPLCOM4050SC273
LC - ST Duplex	HOPLCOM4010ST273	HOPLCOM4020ST273	HOPLCOM4030ST273	HOPLCOM4050ST273
<b>[D]</b> LC - LC Duplex	HOPLCOM4010LC273	HOPLCOM4020LC273	HOPLCOM4030LC273	HOPLCOM4050LC273
SC - SC Duplex	HOPSCOM4010SC271	HOPSCOM4020SC271	HOPSCOM4030SC271	HOPSCOM4050SC271
SC - ST Duplex	HOPSCOM4010ST271	HOPSCOM4020ST271	HOPSCOM4030ST271	HOPSCOM4050ST271
ST - ST Duplex	HOPSTOM4010ST271	HOPSTOM4020ST271	HOPSTOM4030ST271	HOPSTOM4050ST271

Manufactured to comply with: ISO/IEC 11801, EN50173 -1, ANSI/TIA-568.3-D

# PRE-TERMINATED CABLE ASSEMBLIES | Patch Cords



## SINGLE-MODE OPTICAL PATCH CORDS

- LC, SC, and ST options available
- Low-Smoke Halogen Free (LSHF/LSZH)
- LC Uniboot features switchable boots for change in polarity
- 100% factory tested
- Individually packed and labeled

### [A] SINGLE-MODE BEND INSENSITIVE OPTICAL PATCH CORDS WITH UNIBOOT

DESCRIPTION	1M	2M	3M	4M	5M
LC-LC, Uniboot, SM	BOPLC108010LC207	BOPLC108020LC207	BOPLC108030LC207	BOPLC108040LC207	BOPLC108050LC207

### SINGLE-MODE OPTICAL PATCH CORDS (YELLOW JACKET)

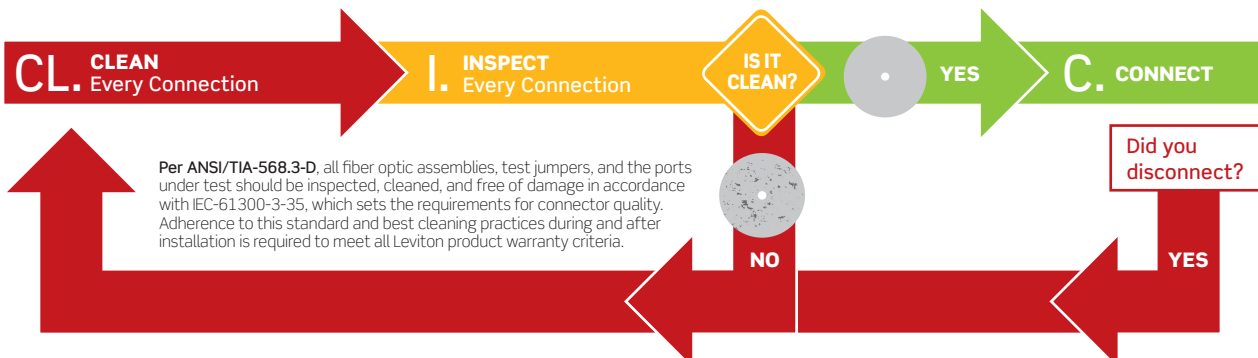
DESCRIPTION	1M	2M	3M	5M
LC - SC Duplex	HOPLC008010SC203	HOPLC008020SC203	HOPLC008030SC203	HOPLC008050SC203
LC - ST Duplex	HOPLC008010ST203	HOPLC008020ST203	HOPLC008030ST203	HOPLC008050ST203
LC - LC Duplex	HOPLC008010LC203	HOPLC008020LC203	HOPLC008030LC203	HOPLC008050LC203
<b>[B]</b> SC - SC Duplex	HOPSC008010SC201	HOPSC008020SC201	HOPSC008030SC201	HOPSC008050SC201
SC - ST Duplex	HOPSC008010ST201	HOPSC008020ST201	HOPSC008030ST201	HOPSC008050ST201
ST - ST Duplex	HOPST008010ST201	HOPST008020ST201	HOPST008030ST201	HOPST008050ST201
SC/APC-SC/APC Duplex*	HOPAC008010AC201	HOPAC008020AC201	HOPAC008030AC201	HOPAC008050AC201
LC/APC-SC/APC Duplex	HOPAL008010AC203	HOPAL008020AC203	HOPAL008030AC203	HOPAL008050AC203
<b>[C]</b> LC/APC-LC/APC Duplex	HOPAL008010AL203	HOPAL008020AL203	HOPAL008030AL203	HOPAL008050AL203
SC/UPC-SC/UPC Duplex*	HOPUC008010UC201	HOPUC008020UC201	HOPUC008030UC201	HOPUC008050UC201
LC/UPC-SC/UPC Duplex	HOPUL008010UC203	HOPUL008020UC203	HOPUL008030UC203	HOPUL008050UC203
LC/UPC-LC/UPC Duplex	HOPUL008010UL203	HOPUL008020UL203	HOPUL008030UL203	HOPUL008050UL203

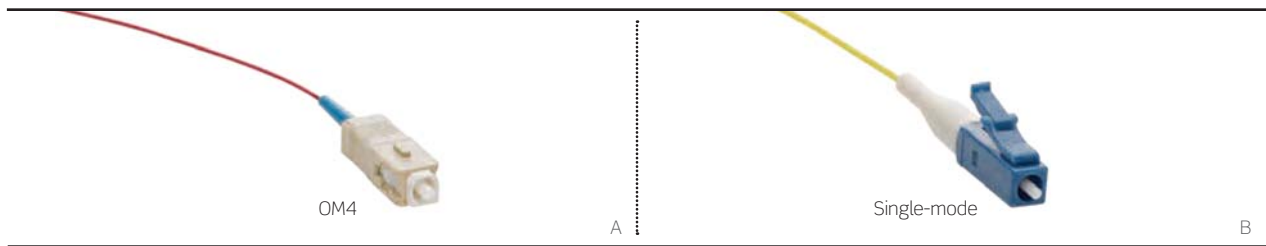
Manufactured to comply with: ISO/IEC 11801, EN50173 -1, ANSI/TIA-568.3-D

\* = also available as 10 meter Optical Patch Cords

## SPOTLIGHT

Before you Connect – CL.I.C. [ For more information, visit [Leviton.com/CLIC](http://Leviton.com/CLIC) ]



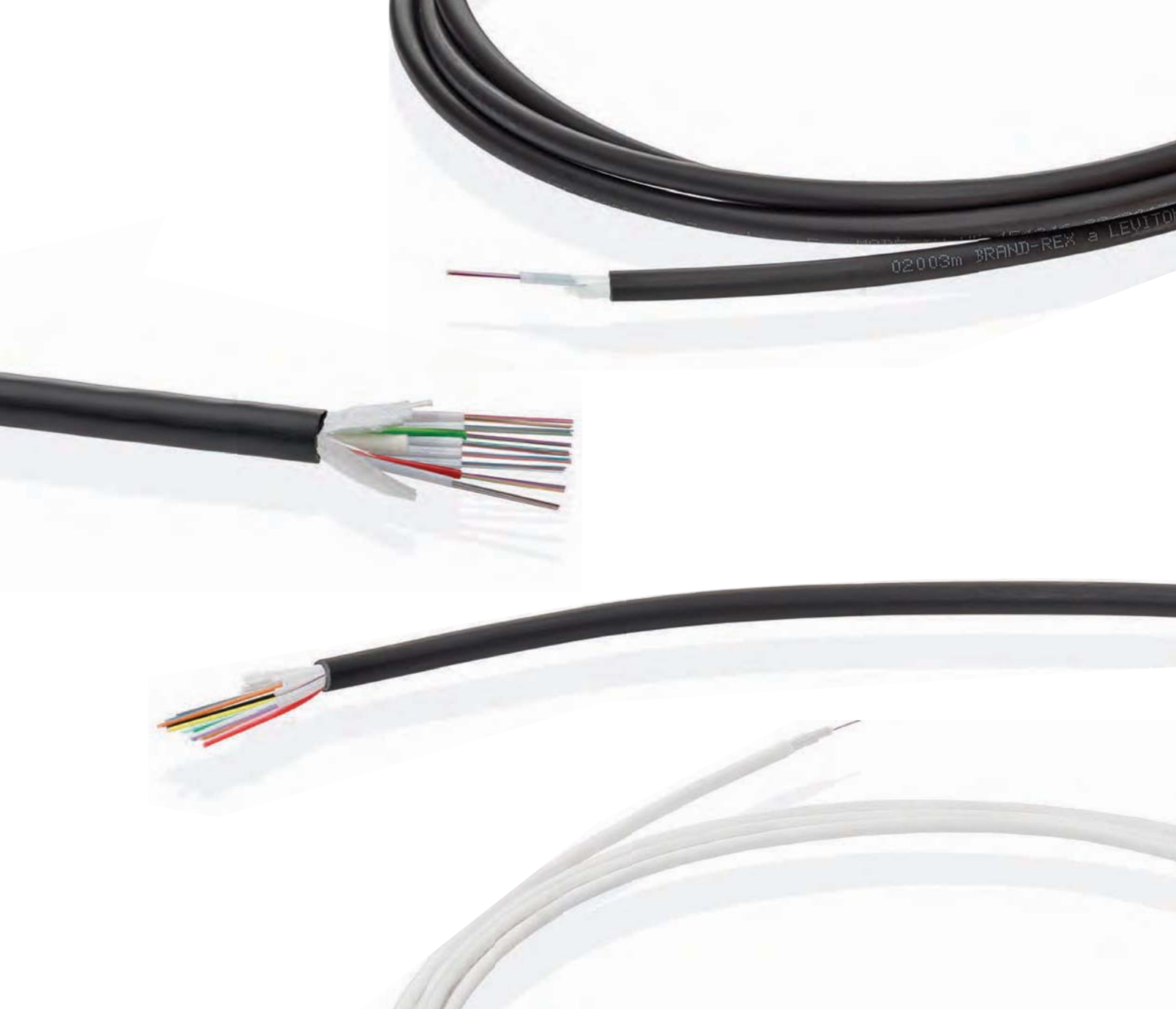


### SINGLE-MODE AND MULTIMODE OPTICAL PIGTAILS

- OM1, OM2, OM3, OM4, and single-mode
- LC, SC, and ST options available
- UPC or APC polish options
- Low-Smoke Halogen Free (LSHF/LSZH)
- 900 µm tight-buffered cores

SINGLE-MODE AND MULTIMODE OPTICAL PIGTAILS					
1 METER	OM1	OM2	OM3	OM4	SINGLE-MODE
SC - 1 m	HOTSC062001	HOTSC050001	HOTSCOM3001	[A] HOTSCOM4001	HOTSC008001
ST - 1 m	HOTST062001	HOTST050001	HOTSTOM3001	HOTSTOM4001	HOTST008001
LC - 1 m	HOTLC062001	HOTLC050001	HOTLCOM3001	HOTLCOM4001	[B] HOTLC008001
SC/APC - 1 m	-	-	-	-	HOTAC008001
LC/APC - 1 m	-	-	-	-	HOTAL008001
SC/UPC - 1 m	-	-	-	-	HOTUC008001
LC/UPC - 1 m	-	-	-	-	HOTUL008001
2 METER	OM1	OM2	OM3	OM4	SINGLE-MODE
SC - 2 m	HOTSC062002	HOTSC050002	HOTSCOM3002	HOTSCOM4002	HOTSC008002
ST - 2 m	HOTST062002	HOTST050002	HOTSTOM3002	HOTSTOM4002	HOTST008002
LC - 2 m	HOTLC062002	HOTLC050002	HOTLCOM3002	HOTLCOM4002	HOTLC008002
SC/APC - 2 m	-	-	-	-	HOTAC008002
LC/APC - 2 m	-	-	-	-	HOTAL008002
SC/UPC - 2 m	-	-	-	-	HOTUC008002
LC/UPC - 2 m	-	-	-	-	HOTUL008002
3 METER	OM1	OM2	OM3	OM4	SINGLE-MODE
SC - 3 m	HOTSC062003	HOTSC050003	HOTSCOM3003	HOTSCOM4003	HOTSC008003
ST - 3 m	HOTST062003	HOTST050003	HOTSTOM3003	HOTSTOM4003	HOTST008003
LC - 3 m	HOTLC062003	HOTLC050003	HOTLCOM3003	HOTLCOM4003	HOTLC008003
SC/APC - 3 m	-	-	-	-	HOTAC008003
LC/APC - 3 m	-	-	-	-	HOTAL008003
SC/UPC - 3 m	-	-	-	-	HOTUC008003
LC/UPC - 3 m	-	-	-	-	HOTUL008003

Manufactured to comply with: ISO/IEC 11801, EN50173 -1, ANSI/TIA-568.3.D



## FEATURED PRODUCTS

Tight-Buffered  
Premise Distribution  
**B43**

Ruggedized **B43**

Loose Tube **B44**

Fire Survival **B56**

# Optical Cables

Leviton offers optical cable for a wide range of applications. This includes a full range of LSHF/LSZH tight-buffered and loose-tube cables.



## CABLE SELECTION

When selecting the correct cable for any installation, the first question will be fiber type. This is dependent upon the transmission distance and the protocol being adopted. With the choice of fiber type complete, there will be several key cable construction questions.

### FIBER COUNT

**How many fibers are required?** This should take into account future demand and allow an element of redundancy. The cost of installation and associated down-time will generally outweigh the cost of additional fiber on day one.

A high-fiber-count cable carrying the majority of a company's data generates a larger risk than several lower-fiber-count cables, should any cable damage occur. Diversity in routing should also be considered in answering this question.

### SHEATH OPTIONS

**Universal LSHF/LSZH cables** are designed for use both internally and externally. They have a halogen-free flame-retardant low-smoke (HFFR-LS) compound sheath that reduces the emission of toxic fumes and the spread of fire.

These cables are also required to be tested, certified, and marked in accordance with the Construction Products Regulation (CPR) in Europe. CPR for data cabling includes EuroClass levels Eca, Dca, Cca and B2ca, creating a hierarchical system for defining fire safety performance requirements, shown in the table below.

**Outdoor Cables** are designed only for external use. They have a low-density polyethylene sheath that makes the cable lighter than the equivalent LSHF/LSZH version. This makes outdoor cables more suited for the longer pulled runs into which they are generally installed. Outdoor cables may enter buildings, but they typically must not pass more than three meters past the external fire barrier of the building, depending on local regulations.

EUROCLASS LEVEL	DESCRIPTION	EXAMPLE ENVIRONMENTS
B2ca	Very High Fire Protection Self Extinguishing	Hospitals, airports, and fire exists in public buildings (High density of people or people with limited mobility)
Cca	High Fire Protection Self Extinguishing	Public buildings, hotels, schools, or office buildings (medium density of people)
Dca	Moderate Fire Protection Limited Emissions	Used as a minimum cable requirement for general installations in some regions
Eca	Basic Fire Protection	Used as a minimum cable requirement for general installations in some regions

## CABLE OPTIONS

**Premise Distribution Cables (PDC)** are based on a 900 µm tight-buffered element and are generally installed in the backbone of a building network and direct terminated at a consolidation point.

**Loose-Tube Cables** are constructed with gel-filled elements and provide higher fiber-count, compact alternatives to tight-buffered cables.

Leviton loose-tube cables are available in four standard variants:

1. Duct Grade
2. Glass Yarn Armored
3. Direct Burial Grade – Single Sheath
4. Direct Burial Grade – Twin Sheath



All four variants are available as either unitube or multi-loose-tube cable. Unitube products are available with up to 24 fibers and multi-loose-tube products are available with up to 216 fibers as standard, although higher fiber counts are available on request.

# OPTICAL CABLES | Premise Distribution Cables



## TIGHT-BUFFERED PREMISE DISTRIBUTION CABLES

- Ideal for LAN backbone and premises wiring
- Tight-buffered 900 µm construction
- Offered in OM1, OM2, OM3, OM4, and single-mode
- Available in fiber counts of 2, 4, 6, 8, 12, 16, and 24
- Cable colors (Leviton part numbers): OM2 = orange, OM3 = aqua, OM4 = heather violet
- Cable color (Brand-Rex part numbers): black

### [A] TIGHT-BUFFERED PREMISE DISTRIBUTION CABLES

DESCRIPTION	LEVITON PART NO.	BRAND-REX PART NO.
Multimode OM3 Premise Distribution Cable LSHF/LSZH, EuroClass B2ca	—	GFOM3PDCxxLU-B2ca
Multimode OM3 Premise Distribution Cable LSHF/LSZH, EuroClass Dca	—	GFOM3PDCxxLU-Dca
Multimode OM3 Premise Distribution Cable LSHF/LSZH, EuroClass Eca	120-5LDRZ-xx2	GFOM3PDCxxLU-Eca
Multimode OM4 Premise Distribution Cable LSHF/LSZH, EuroClass B2ca	—	GFOM4PDCxxLU-B2ca
Multimode OM4 Premise Distribution Cable LSHF/LSZH, EuroClass Dca	—	GFOM4PDCxxLU-Dca
Multimode OM4 Premise Distribution Cable LSHF/LSZH, EuroClass Eca	120-55DRZ-xx2	GFOM4PDCxxLU-Eca
Single-Mode G.652.D Premise Distribution Cable LSHF/LSZH, EuroClass B2ca	—	GF008PDCxxLU-B2ca
Single-Mode G.652.D Premise Distribution Cable LSHF/LSZH, EuroClass Dca	—	GF008PDCxxLU-Dca
Single-Mode G.652.D Premise Distribution Cable LSHF/LSZH, EuroClass Eca	120-SMDRZ-xx2	GF008PDCxxLU-Eca

xx = Fiber Count: 02, 04, 06, 08, 12, 16 or 24

### SPOTLIGHT

### Premise Distribution Cable

Leviton's premise distribution cable is available in multiple CPR EuroClass levels, including **B2ca** — the highest level of fire protection. This level covers all requirements, from general installations to very high risk areas.

The dry core design of Leviton premise distribution cable enables seamless transitions between horizontal and vertical cable routes. Its flexible construction also creates more manageable cable routing in dense applications. And, the cable uses individual gel-free buffered fibers that allow for cleaner and easier field terminations and splicing.

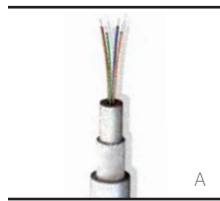


Brand-Rex is a subsidiary of Leviton Mfg. Co., Inc

## LOOSE-TUBE CABLES

Loose-tube cables are available in unitube or multi-loose-tube constructions. Multi-loose-tube cables are available in variations up to 216 fibers. The three standard constructions are a general duct-grade cable, a glass yarn armored cable, and a corrugated-steel-tape armored direct-burial cable. There are two sheath options: Low-Smoke Halogen Free (LSHF/LSZH) for universal or internal applications, and Polyethylene for external applications.

Loose-tube cables are designed for use in building or campus backbone applications and can be installed by blowing, winching, or pulling into existing sub-ducts or cable conduits. External steel-tape armored products can also be directly buried.



### MINI UNITUBE CABLE

- For short-run backbone applications
- Lightweight, flexible, and compact
- Uses white sheath to be discrete in the home
- 2- and 4-fiber options constructed around a 1.9 mm gel-filled, loose tube layer of glass yarns, and a Low-Smoke Halogen-Free (LSHF/LSZH) outer sheath

#### [A] MINI UNITUBE CABLES (EUROCLASS ECA)

DESCRIPTION	OM1	OM2	OM3	OM4	SINGLE-MODE
2-Fiber	HF062UNI1902LU-Eca	HF050UNI1902LU-Eca	HFOM3UNI1902LU-Eca	HFOM4UNI1902LU-Eca	HF008UNI1902LU-Eca
4-Fiber	HF062UNI1904LU-Eca	HF050UNI1904LU-Eca	HFOM3UNI1904LU-Eca	HFOM4UNI1904LU-Eca	HF008UNI1904LU-Eca



### DUCT-GRADE UNITUBE CABLES

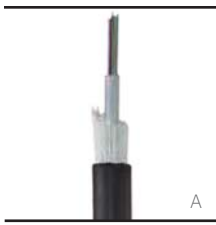
- Ideal for LAN backbones, telecom access line, campus networks, and FTtx drops
- Lightweight, compact design
- 4-12 fiber options constructed around a 2.90 mm gel-filled loose tube
- 16-24 fiber variants use a 4.00 mm loose tube
- Cable color is black

#### [B] DUCT-GRADE UNITUBE CABLES

UNIVERSAL	LEVITON PART NO.	BRAND-REX PART NO.
OM3, LSHF/LSZH, EuroClass Dca	—	GFOM3UNlxxLU-Dca
OM3, LSHF/LSZH, EuroClass Eca	121-5LLRZ-xx2	GFOM3UNlxxLU-Eca
OM4, LSHF/LSZH, EuroClass Dca	—	GFOM4UNlxxLU-Dca
OM4, LSHF/LSZH, EuroClass Eca	121-55LRZ-xx2	GFOM4UNlxxLU-Eca
Single-Mode, LSHF/LSZH, EuroClass Dca	—	GF008UNlxxLU-Dca
Single-Mode, LSHF/LSZH, EuroClass Eca	121-SMLRZ-xx2	GF008UNlxxLU-Eca
EXTERNAL	BRAND-REX PART NO.	
OM3	GFOM3UNlxxNM	
OM4	GFOM4UNlxxNM	
Single-Mode	GF008UNlxxNM	

xx = Fiber Count: 04, 06, 08, 12, 16 (2 x bundles), or 24 (2 x bundles)

# OPTICAL CABLES | Loose-Tube Cables

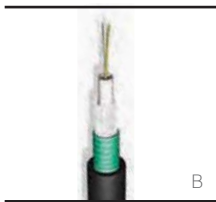


## GLASS YARN ARMORED UNITUBE CABLE

- Glass-roving armor deters rodents from chewing through cables
- 4-12 fiber options constructed around a 2.90 mm gel-filled loose tube
- 16-24 fiber variants use a 4.00 mm loose tube
- Cable color is black

[A] GLASS YARN ARMORED UNITUBE CABLE		
UNIVERSAL	LEVITON PART NO.	BRAND-REX PART NO.
OM3, LSHF/LSZH, EuroClass Dca	—	GFOM3UNlxxRRLU-Dca
OM3, LSHF/LSZH, EuroClass Eca	122-5L0LZ-xx2	GFOM3UNlxxRRLU-Eca
OM4, LSHF/LSZH, EuroClass Dca	—	GFOM4UNlxxRRLU-Dca
OM4, LSHF/LSZH, EuroClass Eca	122-550LZ-xx2	GFOM4UNlxxRRLU-Eca
Single-Mode, LSHF/LSZH, EuroClass Dca	—	GF008UNlxxRRLU-Dca
Single-Mode, LSHF/LSZH, EuroClass Eca	122-SM0LZ-xx2	GF008UNlxxRRLU-Eca
EXTERNAL		BRAND-REX PART NO.
OM1		GF062UNlxxRRNM
OM2		GF050UNlxxRRNM
OM3		GFOM3UNlxxRRNM
OM4		GFOM4UNlxxRRNM
Single-Mode		GF008UNlxxRRNM

xx = Fiber Count: 04, 06, 08, 12, 16 (2 x bundles), or 24 (2 x bundles)



## STEEL-TAPE ARMORED UNITUBE CABLES

- For direct-burial campus backbone applications
- Compact with excellent tensile and crush performance
- Constructed around 4.00 mm gel-filled PBT loose-buffered tube
- Cable color is black

[B] STEEL TAPE ARMORED UNITUBE CABLES		
UNIVERSAL		BRAND-REX PART NO.
OM3, EuroClass Eca		GFOM3UNlxxSTALU-Eca
OM4, EuroClass Eca		GFOM4UNlxxSTALU-Eca
Single-Mode, EuroClass Eca		GF008UNlxxSTALU-Eca
EXTERNAL	LEVITON PART NO.	BRAND-REX PART NO.
OM3	124-5LLAZ-xx2	GFOM3UNlxxSTANM
OM4	123-55LAZ-xx2	GFOM4UNlxxSTANM
Single-Mode	122-SMLAZ-xx2	GF008UNlxxSTANM

xx = Fiber Count: 04, 06, 08, 12, 16 (2 x bundles), or 24 (2 x bundles)



## TWIN-SHEATH STEEL-TAPE ARMORED UNITUBE CABLES

- For direct-burial campus backbone applications
- Compact with excellent tensile and crush performance
- 4-12 fiber options constructed around a 2.90 mm gel-filled loose tube
- 16-24 fiber variants use a 4.0 mm loose tube
- Cable color is black

### [A] TWIN-SHEATH STEEL-TAPE ARMORED UNITUBE CABLES

UNIVERSAL EUROCLASS ECA	OM3	OM4	SINGLE-MODE
4-Fiber	GFOM3UNI04LSTALU-Eca	GFOM4UNI04LSTALU-Eca	GF008UNI04LSTALU-Eca
6-Fiber	GFOM3UNI06LSTALU-Eca	GFOM4UNI06LSTALU-Eca	GF008UNI06LSTALU-Eca
8-Fiber	GFOM3UNI08LSTALU-Eca	GFOM4UNI08LSTALU-Eca	GF008UNI08LSTALU-Eca
12-Fiber	GFOM3UNI12LSTALU-Eca	GFOM4UNI12LSTALU-Eca	GF008UNI12LSTALU-Eca
16-Fiber (2 x bundles)	GFOM3UNI16LSTALU-Eca	GFOM4UNI16LSTALU-Eca	GF008UNI16LSTALU-Eca
24-Fiber (2 x bundles)	GFOM3UNI24LSTALU-Eca	GFOM4UNI24LSTALU-Eca	GF008UNI24LSTALU-Eca
EXTERNAL	OM3	OM4	SINGLE-MODE
4-Fiber	GFOM3UNI04NMSTANM	GFOM4UNI04NMSTANM	GF008UNI04NMSTANM
6-Fiber	GFOM3UNI06NMSTANM	GFOM4UNI06NMSTANM	GF008UNI06NMSTANM
8-Fiber	GFOM3UNI08NMSTANM	GFOM4UNI08NMSTANM	GF008UNI08NMSTANM
12-Fiber	GFOM3UNI12NMSTANM	GFOM4UNI12NMSTANM	GF008UNI12NMSTANM
16-Fiber (2 x bundles)	GFOM3UNI16NMSTANM	GFOM4UNI16NMSTANM	GF008UNI16NMSTANM
24-Fiber (2 x bundles)	GFOM3UNI24NMSTANM	GFOM4UNI24NMSTANM	GF008UNI24NMSTANM



## DUCT-GRADE MULTI-LOOSE-TUBE CABLE UP TO 24 FIBERS

- For applications requiring a higher tensile load than unitube constructions
- Universal options offer compact low-fiber-count duct-grade cable
- Up to 6 x 2.1 mm diameter loose tubes containing up to 4 fibers and solid fillers where required
- Stranded around a rigid glass non-metallic central-strength member
- Layer of water-blocking tape provides interstitial water blocking
- Cable color is black

### [B] DUCT-GRADE MULTI LOOSE-TUBE CABLES

UNIVERSAL EUROCLASS ECA	OM3	OM4	SINGLE-MODE
4-Fiber	HFOM3S4WLU-Eca 4FT	HFOM4S4WLU-Eca 4FT	HF008S4WLU-Eca 4FT
8-Fiber	HFOM3S8WLU-Eca 4FT	HFOM4S8WLU-Eca 4FT	HF008S8WLU-Eca 4FT
12-Fiber	HFOM3S12WLU-Eca 4FT	HFOM4S12WLU-Eca 4FT	HF008S12WLU-Eca 4FT
16-Fiber	HFOM3S16WLU-Eca 4FT	HFOM4S16WLU-Eca 4FT	HF008S16WLU-Eca 4FT
20-Fiber	HFOM3S20WLU-Eca 4FT	HFOM4S20WLU-Eca 4FT	HF008S20WLU-Eca 4FT
24-Fiber	HFOM3S24WLU-Eca 4FT	HFOM4S24WLU-Eca 4FT	HF008S24WLU-Eca 4FT
EXTERNAL	OM3	OM4	SINGLE-MODE
4-Fiber	HFOM3S4WNM 4FT	HFOM4S4WNM 4FT	HF008S4WNM 4FT
8-Fiber	HFOM3S8WNM 4FT	HFOM4S8WNM 4FT	HF008S8WNM 4FT
12-Fiber	HFOM3S12WNM 4FT	HFOM4S12WNM 4FT	HF008S12WNM 4FT
16-Fiber	HFOM3S16WNM 4FT	HFOM4S16WNM 4FT	HF008S16WNM 4FT
20-Fiber	HFOM3S20WNM 4FT	HFOM4S20WNM 4FT	HF008S20WNM 4FT
24-Fiber	HFOM3S24WNM 4FT	HFOM4S24WNM 4FT	HF008S24WNM 4FT



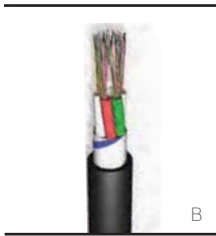
# OPTICAL CABLES | Loose-Tube Cables



## DUCT-GRADE MULTI-LOOSE-TUBE CABLE 12-60 FIBERS

- For building and campus backbone applications where higher fiber counts are required
- Up to 5 x 2.5 mm diameter loose tubes with up to 12 fibers and solid fillers
- Stranded around a rigid glass non-metallic central-strength member
- Layer of water-blocking tape provides interstitial water blocking
- Cable color is black

[A] DUCT-GRADE MULTI-LOOSE-TUBE CABLES			
UNIVERSAL EUROCLASS ECA	OM3	OM4	SINGLE-MODE
12-Fiber	GFOM3S12WLU-Eca	GFOM4S12WLU-Eca	GF008S12WLU-Eca
24-Fiber	GFOM3S24WLU-Eca	GFOM4S24WLU-Eca	GF008S24WLU-Eca
36-Fiber	GFOM3S36WLU-Eca	GFOM4S36WLU-Eca	GF008S36WLU-Eca
48-Fiber	GFOM3S48WLU-Eca	GFOM4S48WLU-Eca	GF008S48WLU-Eca
60-Fiber	GFOM3S60WLU-Eca	GFOM4S60WLU-Eca	GF008S60WLU-Eca
EXTERNAL	OM3	OM4	SINGLE-MODE
12-fiber	GFOM3S12WNM	GFOM4S12WNM	GF008S12WNM
24-fiber	GFOM3S24WNM	GFOM4S24WNM	GF008S24WNM
36-fiber	GFOM3S36WNM	GFOM4S36WNM	GF008S36WNM
48-fiber	GFOM3S48WNM	GFOM4S48WNM	GF008S48WNM
60-fiber	GFOM3S60WNM	GFOM4S60WNM	GF008S60WNM



## DUCT-GRADE MULTI-LOOSE-TUBE CABLE 72 FIBERS

- For building and campus backbone applications where higher fiber counts are required
- Up to 6 x 2.5 mm diameter loose tubes with up to 12 fibers and solid fillers
- Stranded around a rigid glass non-metallic central-strength member
- Layer of water-blocking tape provides interstitial water blocking
- Cable color is black

[B] DUCT-GRADE MULTI-LOOSE-TUBE CABLES			
UNIVERSAL EUROCLASS ECA	OM3	OM4	SINGLE-MODE
72-Fiber	HFOM3S72WLU-Eca	HFOM4S72WLU-Eca	HF008S72WLU-Eca
EXTERNAL	OM3	OM4	SINGLE-MODE
72-Fiber	HFOM3S72WNM	HFOM4S72WNM	HF008S72WNM



## DUCT-GRADE MULTI-LOOSE-TUBE CABLE 84 AND 96 FIBERS

- For building and campus backbone applications where higher fiber counts are required
- Up to 8 x 2.5 mm diameter loose tubes with up to 12 fibers and solid fillers
- Stranded around a rigid glass non-metallic central-strength member
- Layer of water-blocking tape interstitial water blocking
- Cable color is black

[C] DUCT-GRADE MULTI-LOOSE-TUBE CABLES			
UNIVERSAL EUROCLASS ECA	OM3	OM4	SINGLE-MODE
84-Fiber	HFOM3S84WLU-Eca	HFOM4S84WLU-Eca	HF008S84WLU-Eca
96-Fiber	HFOM3S96WLU-Eca	HFOM4S96WLU-Eca	HF008S96WLU-Eca
EXTERNAL	OM3	OM4	SINGLE-MODE
84-Fiber	HFOM3S84WNM	HFOM4S84WNM	HF008S84WNM
96-Fiber	HFOM3S96WNM	HFOM4S96WNM	HF008S96WNM



## DUCT-GRADE MULTI-LOOSE-TUBE CABLE 108-144 FIBERS

- For building and campus backbone applications where higher fiber counts are required
- Up to 144 fibers in a compact duct-grade construction
- Up to 12 x 2.5 mm diameter loose tubes with up to 12 fibers and solid fillers
- Stranded around a sheathed-rigid glass non-metallic central-strength member
- Layer of water-blocking tape provides interstitial water blocking
- Cable color is black

### [A] DUCT-GRADE MULTI-LOOSE-TUBE CABLES

UNIVERSAL EUROCLASS ECA	OM3	OM4	SINGLE-MODE
108-Fiber	HFOM3S108WLU-Eca	HFOM4S108WLU-Eca	HF008S108WLU-Eca
120-Fiber	HFOM3S120WLU-Eca	HFOM4S120WLU-Eca	HF008S120WLU-Eca
132-Fiber	HFOM3S132WLU-Eca	HFOM4S132WLU-Eca	HF008S132WLU-Eca
144-Fiber	HFOM3S144WLU-Eca	HFOM4S144WLU-Eca	HF008S144WLU-Eca
EXTERNAL	OM3	OM4	SINGLE-MODE
108-Fiber	HFOM3S108WNM	HFOM4S108WNM	HF008S108WNM
120-Fiber	HFOM3S120WNM	HFOM4S120WNM	HF008S120WNM
132-Fiber	HFOM3S132WNM	HFOM4S132WNM	HF008S132WNM
144-Fiber	HFOM3S144WNM	HFOM4S144WNM	HF008S144WNM



## DUCT-GRADE MULTI-LOOSE-TUBE CABLE 156-216 FIBERS

- For building and campus backbone applications where higher fiber counts are required
- Up to 216 fibers in a compact duct-grade construction
- Up to 18 x 2.5 mm diameter loose tubes with up to 12 fibers and solid fillers
- Stranded around a sheathed-rigid glass non-metallic central-strength member
- Layer of water-blocking tape provides interstitial water blocking
- Cable color is black

### [B] DUCT-GRADE MULTI-LOOSE-TUBE CABLES

UNIVERSAL EUROCLASS ECA	OM3	OM4	SINGLE-MODE
156-Fiber	HFOM3S156WLU-Eca	HFOM4S156WLU-Eca	HF008S156WLU-Eca
168-Fiber	HFOM3S168WLU-Eca	HFOM4S168WLU-Eca	HF008S168WLU-Eca
180-Fiber	HFOM3S180WLU-Eca	HFOM4S180WLU-Eca	HF008S180WLU-Eca
192-Fiber	HFOM3S192WLU-Eca	HFOM4S192WLU-Eca	HF008S192WLU-Eca
204-Fiber	HFOM3S204WLU-Eca	HFOM4S204WLU-Eca	HF008S204WLU-Eca
216-Fiber	HFOM3S216WLU-Eca	HFOM4S216WLU-Eca	HF008S216WLU-Eca
EXTERNAL	OM3	OM4	SINGLE-MODE
156-Fiber	HFOM3S156WNM	HFOM4S156WNM	HF008S156WNM
168-Fiber	HFOM3S168WNM	HFOM4S168WNM	HF008S168WNM
180-Fiber	HFOM3S180WNM	HFOM4S180WNM	HF008S180WNM
192-Fiber	HFOM3S192WNM	HFOM4S192WNM	HF008S192WNM
204-Fiber	HFOM3S204WNM	HFOM4S204WNM	HF008S204WNM
216-Fiber	HFOM3S216WNM	HFOM4S216WNM	HF008S216WNM

# OPTICAL CABLES | Loose-Tube Cables



## GLASS YARN ARMORED RODENT-RESISTANT MULTI-LOOSE-TUBE CABLE UP TO 24 FIBERS

- For applications where rodent protection and high tensile load is required
- Glass-roving armor deters rodents from chewing through cables
- Up to 6 x 2.1 mm diameter loose tubes containing up to 4 fibers and solid fillers
- Stranded around a rigid glass non-metallic central-strength member
- Layer of water-blocking tape provides interstitial water blocking
- Cable color is black

### [A] GLASS YARN ARMORED RODENT-RESISTANT MULTI-LOOSE-TUBE CABLES

UNIVERSAL EUROCLASS ECA	OM3	OM4	SINGLE-MODE
4-Fiber	HFOM3S4WRRU-Eca 4FT	HFOM4S4WRRU-Eca 4FT	HF008S4WRRU-Eca 4FT
8-Fiber	HFOM3S8WRRU-Eca 4FT	HFOM4S8WRRU-Eca 4FT	HF008S8WRRU-Eca 4FT
12-Fiber	HFOM3S12WRRU-Eca 4FT	HFOM4S12WRRU-Eca 4FT	HF008S12WRRU-Eca 4FT
16-Fiber	HFOM3S16WRRU-Eca 4FT	HFOM4S16WRRU-Eca 4FT	HF008S16WRRU-Eca 4FT
24-Fiber	HFOM3S24WRRU-Eca 4FT	HFOM4S24WRRU-Eca 4FT	HF008S24WRRU-Eca 4FT
EXTERNAL	OM3	OM4	SINGLE-MODE
4-Fiber	HFOM3S4WRRNM 4FT	HFOM4S4WRRNM 4FT	HF008S4WRRNM 4FT
8-Fiber	HFOM3S8WRRNM 4FT	HFOM4S8WRRNM 4FT	HF008S8WRRNM 4FT
12-Fiber	HFOM3S12WRRNM 4FT	HFOM4S12WRRNM 4FT	HF008S12WRRNM 4FT
16-Fiber	HFOM3S16WRRNM 4FT	HFOM4S16WRRNM 4FT	HF008S16WRRNM 4FT
24-Fiber	HFOM3S24WRRNM 4FT	HFOM4S24WRRNM 4FT	HF008S24WRRNM 4FT



## GLASS YARN ARMORED RODENT-RESISTANT MULTI-LOOSE-TUBE CABLE 12-72 FIBERS

- For applications where rodent protection and high-tensile load are required
- Glass-roving armor deters rodents from chewing through cables
- Up to 6 x 2.5 mm diameter loose tubes containing up to 12 fibers and solid fillers
- Stranded around a rigid glass non-metallic central-strength member
- Layer of water-blocking tape provides interstitial water blocking
- Cable color is black

### [B] GLASS YARN ARMORED RODENT-RESISTANT MULTI-LOOSE-TUBE CABLES

UNIVERSAL EUROCLASS ECA	OM3	OM4	SINGLE-MODE
12-Fiber	HFOM3S12WRRU-Eca	HFOM4S12WRRU-Eca	HF008S12WRRU-Eca
24-Fiber	HFOM3S24WRRU-Eca	HFOM4S24WRRU-Eca	HF008S24WRRU-Eca
36-Fiber	HFOM3S36WRRU-Eca	HFOM4S36WRRU-Eca	HF008S36WRRU-Eca
48-Fiber	HFOM3S48WRRU-Eca	HFOM4S48WRRU-Eca	HF008S48WRRU-Eca
60-Fiber	HFOM3S60WRRU-Eca	HFOM4S60WRRU-Eca	HF008S60WRRU-Eca
72-Fiber	HFOM3S72WRRU-Eca	HFOM4S72WRRU-Eca	HF008S72WRRU-Eca
EXTERNAL	OM3	OM4	SINGLE-MODE
12-Fiber	HFOM3S12WRRNM	HFOM4S12WRRNM	HF008S12WRRNM
24-Fiber	HFOM3S24WRRNM	HFOM4S24WRRNM	HF008S24WRRNM
36-Fiber	HFOM3S36WRRNM	HFOM4S36WRRNM	HF008S36WRRNM
48-Fiber	HFOM3S48WRRNM	HFOM4S48WRRNM	HF008S48WRRNM
60-Fiber	HFOM3S60WRRNM	HFOM4S60WRRNM	HF008S60WRRNM
72-Fiber	HFOM3S72WRRNM	HFOM4S72WRRNM	HF008S72WRRNM



## GLASS YARN ARMORED RODENT-RESISTANT MULTI-LOOSE-TUBE CABLE 84 AND 96 FIBERS

- For applications where rodent protection and higher fiber counts are required
- Glass-roving armor deters rodents from chewing through cables
- Up to 8 x 2.5 mm diameter loose tubes containing up to 12 fibers and solid fillers
- Stranded around a rigid glass non-metallic central-strength member
- Layer of water-blocking tape provides interstitial water blocking
- Cable color is black

### [A] GLASS YARN ARMORED RODENT-RESISTANT MULTI-LOOSE-TUBE CABLES

UNIVERSAL EUROCLASS ECA	OM3	OM4	SINGLE-MODE
84-Fiber	HFOM3S84WRRLLU-Eca	HFOM4S84WRRLLU-Eca	HF008S84WRRLLU-Eca
96-Fiber	HFOM3S96WRRLLU-Eca	HFOM4S96WRRLLU-Eca	HF008S96WRRLLU-Eca
EXTERNAL	OM3	OM4	SINGLE-MODE
84-Fiber	HFOM3S84WRRNM	HFOM4S84WRRNM	HF008S84WRRNM
96-Fiber	HFOM3S96WRRNM	HFOM4S96WRRNM	HF008S96WRRNM



## GLASS YARN ARMORED RODENT-RESISTANT MULTI-LOOSE-TUBE CABLE 108-144 FIBERS

- For applications where rodent protection and high fiber counts are required
- Glass-roving armor deters rodents from chewing through cables
- Up to 12 x 2.5 mm diameter loose tubes containing up to 12 fibers and solid fillers
- Stranded around a sheathed-rigid glass non-metallic central-strength member
- Layer of water-blocking tape provides interstitial water blocking
- Cable color is black

### [B] GLASS YARN ARMORED RODENT-RESISTANT MULTI-LOOSE-TUBE CABLES

UNIVERSAL EUROCLASS ECA	OM3	OM4	SINGLE-MODE
108-Fiber	HFOM3S108WRRLLU-Eca	HFOM4S108WRRLLU-Eca	HF008S108WRRLLU-Eca
120-Fiber	HFOM3S120WRRLLU-Eca	HFOM4S120WRRLLU-Eca	HF008S120WRRLLU-Eca
132-Fiber	HFOM3S132WRRLLU-Eca	HFOM4S132WRRLLU-Eca	HF008S132WRRLLU-Eca
144-Fiber	HFOM3S144WRRLLU-Eca	HFOM4S144WRRLLU-Eca	HF008S144WRRLLU-Eca
EXTERNAL	OM3	OM4	SINGLE-MODE
108-Fiber	HFOM3S108WRRNM	HFOM4S108WRRNM	HF008S108WRRNM
120-Fiber	HFOM3S120WRRNM	HFOM4S120WRRNM	HF008S120WRRNM
132-Fiber	HFOM3S132WRRNM	HFOM4S132WRRNM	HF008S132WRRNM
144-Fiber	HFOM3S144WRRNM	HFOM4S144WRRNM	HF008S144WRRNM

# OPTICAL CABLES | Loose-Tube Cables



## GLASS YARN ARMORED RODENT-RESISTANT MULTI-LOOSE-TUBE CABLE 156-216 FIBERS

- For applications where rodent protection and high fiber counts are required
- Glass-roving armor deters rodents from chewing through cables
- Up to 18 x 2.5 mm diameter loose tubes containing up to 12 fibers and solid fillers
- Stranded around a sheathed-rigid glass non-metallic central-strength member
- Layer of water-blocking tape provides interstitial water blocking
- Cable color is black

### [A] GLASS YARN ARMORED RODENT-RESISTANT MULTI-LOOSE-TUBE CABLES

UNIVERSAL EUROCLASS ECA	OM3	OM4	SINGLE-MODE
156-Fiber	HFOM3S156WRRLU-Eca	HFOM4S156WRRLU-Eca	HF008S156WRRLU-Eca
168-Fiber	HFOM3S168WRRLU-Eca	HFOM4S168WRRLU-Eca	HF008S168WRRLU-Eca
180-Fiber	HFOM3S180WRRLU-Eca	HFOM4S180WRRLU-Eca	HF008S180WRRLU-Eca
192-Fiber	HFOM3S192WRRLU-Eca	HFOM4S192WRRLU-Eca	HF008S192WRRLU-Eca
204-Fiber	HFOM3S204WRRLU-Eca	HFOM4S204WRRLU-Eca	HF008S204WRRLU-Eca
216-Fiber	HFOM3S216WRRLU-Eca	HFOM4S216WRRLU-Eca	HF008S216WRRLU-Eca
EXTERNAL	OM3	OM4	SINGLE-MODE
156-Fiber	HFOM3S156WRRNM	HFOM4S156WRRNM	HF008S156WRRNM
168-Fiber	HFOM3S168WRRNM	HFOM4S168WRRNM	HF008S168WRRNM
180-Fiber	HFOM3S180WRRNM	HFOM4S180WRRNM	HF008S180WRRNM
192-Fiber	HFOM3S192WRRNM	HFOM4S192WRRNM	HF008S192WRRNM
204-Fiber	HFOM3S204WRRNM	HFOM4S204WRRNM	HF008S204WRRNM
216-Fiber	HFOM3S216WRRNM	HFOM4S216WRRNM	HF008S216WRRNM



## DIRECT-BURIAL STEEL-TAPE ARMORED MULTI-LOOSE-TUBE CABLE UP TO 24 FIBERS

- For applications requiring a higher tensile load than unitube constructions
- Compact low-fiber-count options
- Up to 6 x 2.1 mm diameter loose tubes containing up to 4 fibers and solid fillers where required
- Stranded around a rigid glass non-metallic central-strength member
- Layer of water-blocking tape provides interstitial water blocking, and layer of corrugated steel-tape armor provides additional crush resistance
- Cable color is black

### [B] UNIVERSAL AND EXTERNAL DIRECT-BURIAL STEEL-TAPE ARMORED MULTI-LOOSE-TUBE CABLE

UNIVERSAL EUROCLASS ECA	OM3	OM4	SINGLE-MODE
4-Fiber	HFOM3S4WSTALU-Eca 4FT	HFOM4S4WSTALU-Eca 4FT	HF008S4WSTALU-Eca 4FT
8-Fiber	HFOM3S8WSTALU-Eca 4FT	HFOM4S8WSTALU-Eca 4FT	HF008S8WSTALU-Eca 4FT
12-Fiber	HFOM3S12WSTALU-Eca 4FT	HFOM4S12WSTALU-Eca 4FT	HF008S12WSTALU-Eca 4FT
16-Fiber	HFOM3S16WSTALU-Eca 4FT	HFOM4S16WSTALU-Eca 4FT	HF008S16WSTALU-Eca 4FT
24-Fiber	HFOM3S24WSTALU-Eca 4FT	HFOM4S24WSTALU-Eca 4FT	HF008S24WSTALU-Eca 4FT
EXTERNAL	OM3	OM4	SINGLE-MODE
4-Fiber	HFOM3S4WSTANM 4FT	HFOM4S4WSTANM 4FT	HF008S4WSTANM 4FT
8-Fiber	HFOM3S8WSTANM 4FT	HFOM4S8WSTANM 4FT	HF008S8WSTANM 4FT
12-Fiber	HFOM3S12WSTANM 4FT	HFOM4S12WSTANM 4FT	HF008S12WSTANM 4FT
16-Fiber	HFOM3S16WSTANM 4FT	HFOM4S16WSTANM 4FT	HF008S16WSTANM 4FT
24-Fiber	HFOM3S24WSTANM 4FT	HFOM4S24WSTANM 4FT	HF008S24WSTANM 4FT





## DIRECT-BURIAL STEEL-TAPE ARMORED MULTI-LOOSE-TUBE CABLE 12-72 FIBERS

- Single-sheathed cable offers up to 72 fibers in a compact, flexible construction
- Up to 6 x 2.5 mm diameter loose tubes containing up to 12 fibers and solid fillers where required
- Stranded around a rigid glass non-metallic central-strength member
- Layer of water-blocking tape provides interstitial water-blocking, and layer of steel-tape armor provides additional crush resistance
- Cable color is black

### [A] DIRECT-BURIAL STEEL-TAPE ARMORED MULTI-LOOSE-TUBE CABLE

UNIVERSAL EUROCLASS ECA	OM3	OM4	SINGLE-MODE
12-Fiber	HFOM3S12WSTALU-Eca	HFOM4S12WSTALU-Eca	HF008S12WSTALU-Eca
24-Fiber	HFOM3S24WSTALU-Eca	HFOM4S24WSTALU-Eca	HF008S24WSTALU-Eca
36-Fiber	HFOM3S36WSTALU-Eca	HFOM4S36WSTALU-Eca	HF008S36WSTALU-Eca
48-Fiber	HFOM3S48WSTALU-Eca	HFOM4S48WSTALU-Eca	HF008S48WSTALU-Eca
60-Fiber	HFOM3S60WSTALU-Eca	HFOM4S60WSTALU-Eca	HF008S60WSTALU-Eca
72-Fiber	HFOM3S72WSTALU-Eca	HFOM4S72WSTALU-Eca	HF008S72WSTALU-Eca
EXTERNAL	OM3	OM4	SINGLE-MODE
12-Fiber	HFOM3S12WSTANM	HFOM4S12WSTANM	HF008S12WSTANM
24-Fiber	HFOM3S24WSTANM	HFOM4S24WSTANM	HF008S24WSTANM
36-Fiber	HFOM3S36WSTANM	HFOM4S36WSTANM	HF008S36WSTANM
48-Fiber	HFOM3S48WSTANM	HFOM4S48WSTANM	HF008S48WSTANM
60-Fiber	HFOM3S60WSTANM	HFOM4S60WSTANM	HF008S60WSTANM
72-Fiber	HFOM3S72WSTANM	HFOM4S72WSTANM	HF008S72WSTANM



## DIRECT-BURIAL STEEL-TAPE ARMORED MULTI-LOOSE-TUBE CABLE 84 AND 96 FIBERS

- Single-sheathed cable offers up to 96 fibers in a compact, flexible construction
- Up to 8 x 2.5 mm diameter loose tubes containing up to 12 fibers and solid fillers where required
- Stranded around a rigid glass non-metallic central-strength member
- Layer of water-blocking tape provides interstitial water blocking, and layer of steel-tape armor provides additional crush resistance
- Cable color is black

### [B] DIRECT-BURIAL STEEL-TAPE ARMORED MULTI-LOOSE-TUBE CABLE

UNIVERSAL EUROCLASS ECA	OM3	OM4	SINGLE-MODE
84-Fiber	HFOM3S84WSTALU-Eca	HFOM4S84WSTALU-Eca	HF008S84WSTALU-Eca
96-Fiber	HFOM3S96WSTALU-Eca	HFOM4S96WSTALU-Eca	HF008S96WSTALU-Eca
EXTERNAL	OM3	OM4	SINGLE-MODE
84-Fiber	HFOM3S84WSTANM	HFOM4S84WSTANM	HF008S84WSTANM
96-Fiber	HFOM3S96WSTANM	HFOM4S96WSTANM	HF008S96WSTANM

# OPTICAL CABLES | Loose-Tube Cables



## DIRECT-BURIAL STEEL-TAPE ARMORED MULTI-LOOSE-TUBE CABLE 108-144 FIBERS

- Single-sheathed cable offers up to 144 fibers in a compact, flexible construction
- Up to 12 x 2.5 mm diameter loose tubes containing up to 12 fibers and solid fillers where required
- Stranded around a sheathed-rigid glass non-metallic central-strength member
- Layer of water-blocking tape provides interstitial water blocking, and layer of corrugated steel-tape armor provides additional crush resistance
- Cable color is black

### [A] DIRECT-BURIAL STEEL-TAPE ARMORED MULTI-LOOSE-TUBE CABLE

UNIVERSAL EUROCLASS ECA	OM3	OM4	SINGLE-MODE
108-Fiber	HFOM3S108WSTALU-Eca	HFOM4S108WSTALU-Eca	HF008S108WSTALU-Eca
120-Fiber	HFOM3S120WSTALU-Eca	HFOM4S120WSTALU-Eca	HF008S120WSTALU-Eca
132-Fiber	HFOM3S132WSTALU-Eca	HFOM4S132WSTALU-Eca	HF008S132WSTALU-Eca
144-Fiber	HFOM3S144WSTALU-Eca	HFOM4S144WSTALU-Eca	HF008S144WSTALU-Eca
EXTERNAL	OM3	OM4	SINGLE-MODE
108-Fiber	HFOM3S108WSTANM	HFOM4S108WSTANM	HF008S108WSTANM
120-Fiber	HFOM3S120WSTANM	HFOM4S120WSTANM	HF008S120WSTANM
132-Fiber	HFOM3S132WSTANM	HFOM4S132WSTANM	HF008S132WSTANM
144-Fiber	HFOM3S144WSTANM	HFOM4S144WSTANM	HF008S144WSTANM



## DIRECT-BURIAL STEEL-TAPE ARMORED MULTI-LOOSE-TUBE CABLE 156-216 FIBERS

- Single-sheathed cable offers up to 216 fibers in a compact, flexible construction
- Up to 18 x 2.5 mm diameter loose tubes containing up to 12 fibers and solid fillers where required
- Stranded around a sheathed-rigid glass non-metallic central-strength member
- Layer of water-blocking tape provides interstitial water blocking, and layer of corrugated steel-tape armor provides additional crush resistance
- Cable color is black

### [B] DIRECT-BURIAL STEEL-TAPE ARMORED MULTI-LOOSE-TUBE CABLE

UNIVERSAL EUROCLASS ECA	OM3	OM4	SINGLE-MODE
156-Fiber	HFOM3S156WSTALU-Eca	HFOM4S156WSTALU-Eca	HF008S156WSTALU-Eca
168-Fiber	HFOM3S168WSTALU-Eca	HFOM4S168WSTALU-Eca	HF008S168WSTALU-Eca
180-Fiber	HFOM3S180WSTALU-Eca	HFOM4S180WSTALU-Eca	HF008S180WSTALU-Eca
192-Fiber	HFOM3S192WSTALU-Eca	HFOM4S192WSTALU-Eca	HF008S192WSTALU-Eca
204-Fiber	HFOM3S204WSTALU-Eca	HFOM4S204WSTALU-Eca	HF008S204WSTALU-Eca
216-Fiber	HFOM3S216WSTALU-Eca	HFOM4S216WSTALU-Eca	HF008S216WSTALU-Eca
EXTERNAL	OM3	OM4	SINGLE-MODE
156-Fiber	HFOM3S156WSTANM	HFOM4S156WSTANM	HF008S156WSTANM
168-Fiber	HFOM3S168WSTANM	HFOM4S168WSTANM	HF008S168WSTANM
180-Fiber	HFOM3S180WSTANM	HFOM4S180WSTANM	HF008S180WSTANM
192-Fiber	HFOM3S192WSTANM	HFOM4S192WSTANM	HF008S192WSTANM
204-Fiber	HFOM3S204WSTANM	HFOM4S204WSTANM	HF008S204WSTANM
216-Fiber	HFOM3S216WSTANM	HFOM4S216WSTANM	HF008S216WSTANM



## TWIN-SHEATH STEEL-TAPE ARMORED MULTI-LOOSE-TUBE CABLE

### UP TO 24 FIBERS

- Compact low-fiber count direct-burial-grade cable for applications required a higher tensile load
- Up to 6 x 2.1 mm diameter loose tubes containing up to 4 fibers and solid fillers where required
- Stranded around a rigid glass non-metallic central-strength member
- Layer of water-blocking tape provides interstitial water blocking, and LSHF/ or PE inner sheath and corrugated steel-tape armor provides additional crush resistance
- Cable color is black

### [A] TWIN-SHEATH STEEL-TAPE ARMORED MULTI-LOOSE-TUBE CABLE

UNIVERSAL EUROCLASS ECA	OM3	OM4	SINGLE-MODE
4-Fiber	HFOM3S4WLSTALU-Eca 4FT	HFOM4S4WLSTALU-Eca 4FT	HF008S4WLSTALU-Eca 4FT
8-Fiber	HFOM3S8WLSTALU-Eca 4FT	HFOM4S8WLSTALU-Eca 4FT	HF008S8WLSTALU-Eca 4FT
12-Fiber	HFOM3S12WLSTALU-Eca 4FT	HFOM4S12WLSTALU-Eca 4FT	HF008S12WLSTALU-Eca 4FT
16-Fiber	HFOM3S16WLSTALU-Eca 4FT	HFOM4S16WLSTALU-Eca 4FT	HF008S16WLSTALU-Eca 4FT
20-Fiber	HFOM3S20WLSTALU-Eca 4FT	HFOM4S20WLSTALU-Eca 4FT	HF008S20WLSTALU-Eca 4FT
24-Fiber	HFOM3S24WLSTALU-Eca 4FT	HFOM4S24WLSTALU-Eca 4FT	HF008S24WLSTALU-Eca 4FT
EXTERNAL	OM3	OM4	SINGLE-MODE
4-Fiber	HFOM3S4WNMSTANM 4FT	HFOM4S4WNMSTANM 4FT	HF008S4WNMSTANM 4FT
8-Fiber	HFOM3S8WNMSTANM 4FT	HFOM4S8WNMSTANM 4FT	HF008S8WNMSTANM 4FT
12-Fiber	HFOM3S12WNMSTANM 4FT	HFOM4S12WNMSTANM 4FT	HF008S12WNMSTANM 4FT
16-Fiber	HFOM3S16WNMSTANM 4FT	HFOM4S16WNMSTANM 4FT	HF008S16WNMSTANM 4FT
20-Fiber	HFOM3S20WNMSTANM 4FT	HFOM4S20WNMSTANM 4FT	HF008S20WNMSTANM 4FT
24-Fiber	HFOM3S24WNMSTANM 4FT	HFOM4S24WNMSTANM 4FT	HF008S24WNMSTANM 4FT



## TWIN-SHEATH STEEL-TAPE ARMORED MULTI-LOOSE-TUBE CABLE

### 12-72 FIBRES

- Compact direct-burial-grade cable offers up to 72 fibres
- Up to 6 x 2.5 mm diameter loose tubes containing up to 12 fibres and solid fillers where required
- Stranded around a rigid glass non-metallic central-strength member
- Layer of water-blocking tape provides interstitial water blocking and corrugated steel-tape armor provides additional crush resistance
- Cable color is black

### [B] TWIN-SHEATH STEEL-TAPE ARMORED MULTI-LOOSE-TUBE CABLE

UNIVERSAL EUROCLASS ECA	OM3	OM4	SINGLE-MODE
12-Fiber	HFOM3S12WLSTALU-Eca	HFOM4S12WLSTALU-Eca	HF008S12WLSTALU-Eca
24-Fiber	HFOM3S24WLSTALU-Eca	HFOM4S24WLSTALU-Eca	HF008S24WLSTALU-Eca
36-Fiber	HFOM3S36WLSTALU-Eca	HFOM4S36WLSTALU-Eca	HF008S36WLSTALU-Eca
48-Fiber	HFOM3S48WLSTALU-Eca	HFOM4S48WLSTALU-Eca	HF008S48WLSTALU-Eca
60-Fiber	HFOM3S60WLSTALU-Eca	HFOM4S60WLSTALU-Eca	HF008S60WLSTALU-Eca
72-Fiber	HFOM3S72WLSTALU-Eca	HFOM4S72WLSTALU-Eca	HF008S72WLSTALU-Eca
EXTERNAL	OM3	OM4	SINGLE-MODE
12-Fiber	HFOM3S12WNMSTANM	HFOM4S12WNMSTANM	HF008S12WNMSTANM
24-Fiber	HFOM3S24WNMSTANM	HFOM4S24WNMSTANM	HF008S24WNMSTANM
36-Fiber	HFOM3S36WNMSTANM	HFOM4S36WNMSTANM	HF008S36WNMSTANM
48-Fiber	HFOM3S48WNMSTANM	HFOM4S48WNMSTANM	HF008S48WNMSTANM
60-Fiber	HFOM3S60WNMSTANM	HFOM4S60WNMSTANM	HF008S60WNMSTANM
72-Fiber	HFOM3S72WNMSTANM	HFOM4S72WNMSTANM	HF008S72WNMSTANM

# OPTICAL CABLES | Loose-Tube Cables



## TWIN-SHEATH STEEL-TAPE ARMORED MULTI-LOOSE-TUBE CABLE 84-96 FIBERS

- Compact direct-burial-grade cable offers up to 96 fibers
- Up to 8 x 2.5 mm diameter loose tubes containing up to 12 fibers and solid fillers where required
- Stranded around a rigid glass non-metallic central-strength member
- Layer of water-blocking tape provides interstitial water blocking and corrugated steel-tape armor provides additional crush resistance
- Cable color is black

### [A] TWIN-SHEATH STEEL-TAPE ARMORED MULTI-LOOSE-TUBE CABLE

UNIVERSAL EUROCLASS ECA	OM3	OM4	SINGLE-MODE
84-Fiber	HFOM3S84WLSTALU-Eca	HFOM4S84WLSTALU-Eca	HF008S84WLSTALU-Eca
96-Fiber	HFOM3S96WLSTALU-Eca	HFOM4S96WLSTALU-Eca	HF008S96WLSTALU-Eca
EXTERNAL	OM3	OM4	SINGLE-MODE
84-Fiber	HFOM3S84WNMSTANM	HFOM4S84WNMSTANM	HF008S84WNMSTANM
96-Fiber	HFOM3S96WNMSTANM	HFOM4S96WNMSTANM	HF008S96WNMSTANM



## TWIN-SHEATH STEEL-TAPE ARMORED MULTI-LOOSE-TUBE CABLE 108-144 FIBERS

- Compact direct-burial-grade cable offers up to 144 fibers
- Up to 12 x 2.5 mm diameter loose tubes containing up to 12 fibers and solid fillers where required
- Stranded around a sheathed-rigid glass non-metallic central-strength member
- Layer of water-blocking tape provides interstitial water blocking and corrugated steel-tape armor provides additional crush resistance
- Cable color is black

### [B] TWIN-SHEATH STEEL-TAPE ARMORED MULTI-LOOSE-TUBE CABLE

UNIVERSAL EUROCLASS ECA	OM3	OM4	SINGLE-MODE
108-Fiber	HFOM3S108WLSTALU-Eca	HFOM4S108WLSTALU-Eca	HF008S108WLSTALU-Eca
120-Fiber	HFOM3S120WLSTALU-Eca	HFOM4S120WLSTALU-Eca	HF008S120WLSTALU-Eca
132-Fiber	HFOM3S132WLSTALU-Eca	HFOM4S132WLSTALU-Eca	HF008S132WLSTALU-Eca
144-Fiber	HFOM3S144WLSTALU-Eca	HFOM4S144WLSTALU-Eca	HF008S144WLSTALU-Eca
EXTERNAL	OM3	OM4	SINGLE-MODE
108-Fiber	HFOM3S108WNMSTANM	HFOM4S108WNMSTANM	HF008S108WNMSTANM
120-Fiber	HFOM3S120WNMSTANM	HFOM4S120WNMSTANM	HF008S120WNMSTANM
132-Fiber	HFOM3S132WNMSTANM	HFOM4S132WNMSTANM	HF008S132WNMSTANM
144-Fiber	HFOM3S144WNMSTANM	HFOM4S144WNMSTANM	HF008S144WNMSTANM



## TWIN-SHEATH STEEL-TAPE ARMORED MULTI-LOOSE-TUBE CABLE 156-216 FIBERS

- Compact direct-burial-grade cable offers up to 216 fibers
- Up to 18 x 2.5 mm diameter loose tubes containing up to 12 fibers and solid fillers where required
- Stranded around a sheathed-rigid glass non-metallic central-strength member
- Layer of water-blocking tape provides interstitial water blocking and corrugated steel-tape armor provides additional crush resistance
- Cable color is black

### [A] TWIN-SHEATH STEEL-TAPE ARMORED MULTI-LOOSE-TUBE CABLE

UNIVERSAL EUROCLASS ECA	OM3	OM4	SINGLE-MODE
156-Fiber	HFOM3S168WLSTALU-Eca	HFOM4S168WLSTALU-Eca	HF008S156WLSTALU-Eca
168-Fiber	HFOM3S156WLSTALU-Eca	HFOM4S156WLSTALU-Eca	HF008S168WLSTALU-Eca
180-Fiber	HFOM3S180WLSTALU-Eca	HFOM4S180WLSTALU-Eca	HF008S180WLSTALU-Eca
192-Fiber	HFOM3S192WLSTALU-Eca	HFOM4S192WLSTALU-Eca	HF008S192WLSTALU-Eca
204-Fiber	HFOM3S204WLSTALU-Eca	HFOM4S204WLSTALU-Eca	HF008S204WLSTALU-Eca
216-Fiber	HFOM3S216WLSTALU-Eca	HFOM4S216WLSTALU-Eca	HF008S216WLSTALU-Eca
EXTERNAL	OM3	OM4	SINGLE-MODE
156-Fiber	HFOM3S156WNMSTANM	HFOM4S156WNMSTANM	HF008S156WNMSTANM
168-Fiber	HFOM3S168WNMSTANM	HFOM4S168WNMSTANM	HF008S168WNMSTANM
180-Fiber	HFOM3S180WNMSTANM	HFOM4S180WNMSTANM	HF008S180WNMSTANM
192-Fiber	HFOM3S192WNMSTANM	HFOM4S192WNMSTANM	HF008S192WNMSTANM
204-Fiber	HFOM3S204WNMSTANM	HFOM4S204WNMSTANM	HF008S204WNMSTANM
216-Fiber	HFOM3S216WNMSTANM	HFOM4S216WNMSTANM	HF008S216WNMSTANM



## UNITUBE FIRE-SURVIVAL CABLE 4-24 FIBERS

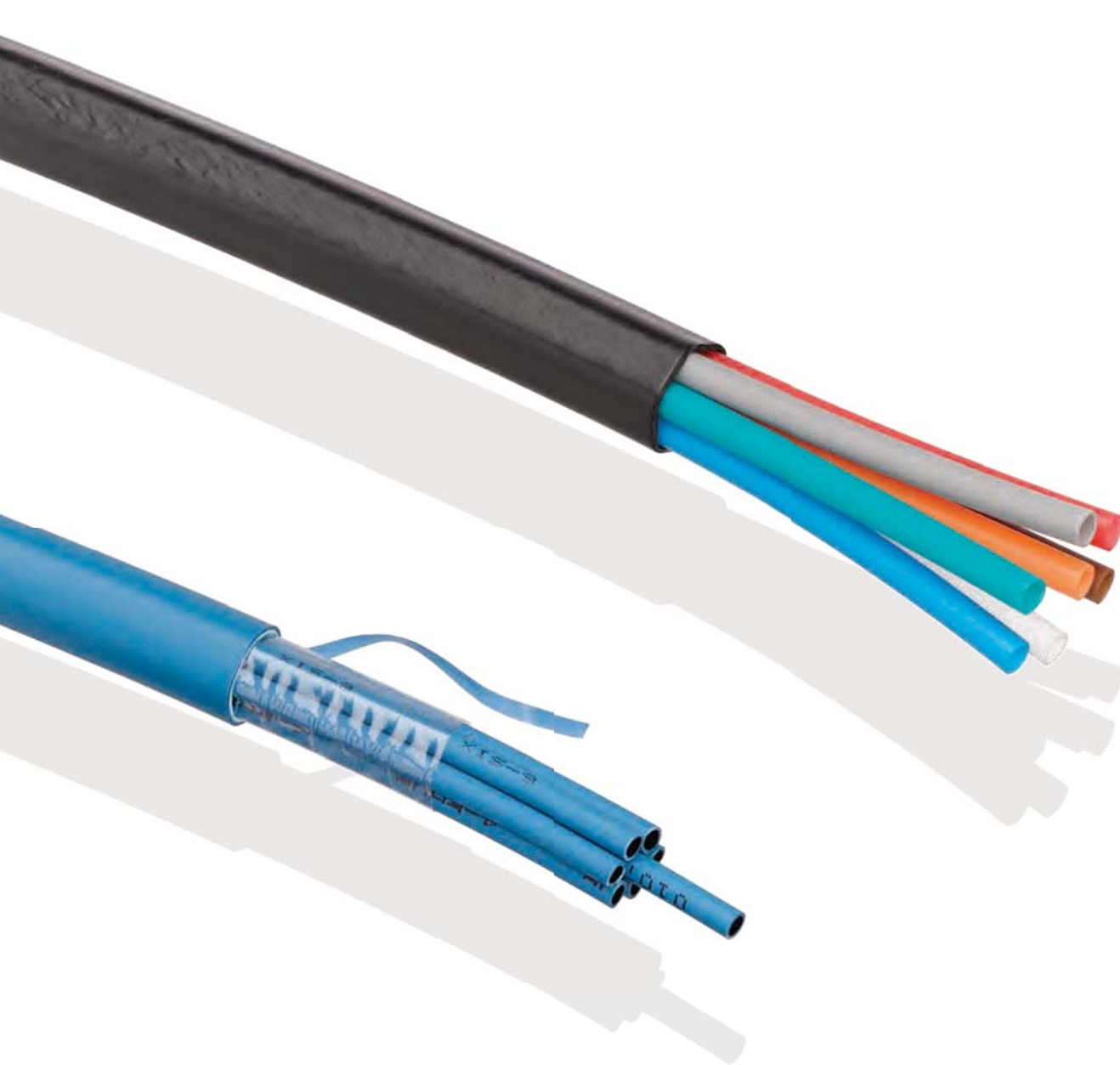
- For areas where critical data transmission must continue when the building or structure in which it is installed is on fire
- Ideal for large public buildings such as data centers, airports, railway stations, stadiums, and onshore/offshore industrial structures
- Complies with fire ratings: IEC 60331-25 (90 mins @ 750 °C), BS EN 502 00 200, BS 8434-2, IEC 60322-3-24, IEC 60332-1-2
- Cable color is red

### [B] UNITUBE FIRE SURVIVAL CABLES

UNIVERSAL	OM3	OM4	SINGLE-MODE
4-Fiber	EFOM3UNI4LSTALUFS	EFOM4UNI4LSTALUFS	EF008UNI4LSTALUFS
8-Fiber	EFOM3UNI8LSTALUFS	EFOM4UNI8LSTALUFS	EF008UNI8LSTALUFS
12-Fiber	EFOM3UNI12LSTALUFS	EFOM4UNI12LSTALUFS	EF008UNI12LSTALUFS
16-Fiber	EFOM3UNI16LSTALUFS	EFOM4UNI16LSTALUFS	EF008UNI16LSTALUFS
24-Fiber	EFOM3UNI24LSTALUFS	EFOM4UNI24LSTALUFS	EF008UNI24LSTALUFS

Acid Gas Emissions: Pass  
 Smoke Index: Pass  
 Fire: IEC 60331-25 Pass (90 mins @ 750°C), BSEN50200 -2000 Pass PH120, BS 8434-2 Pass, IEC 60332-3-24 Pass, IEC 60332-1-2 Pass





## FEATURED PRODUCTS

Blolite™ **B59**

MicroBlo™ **B61**

Connectivity & Tools **B64**

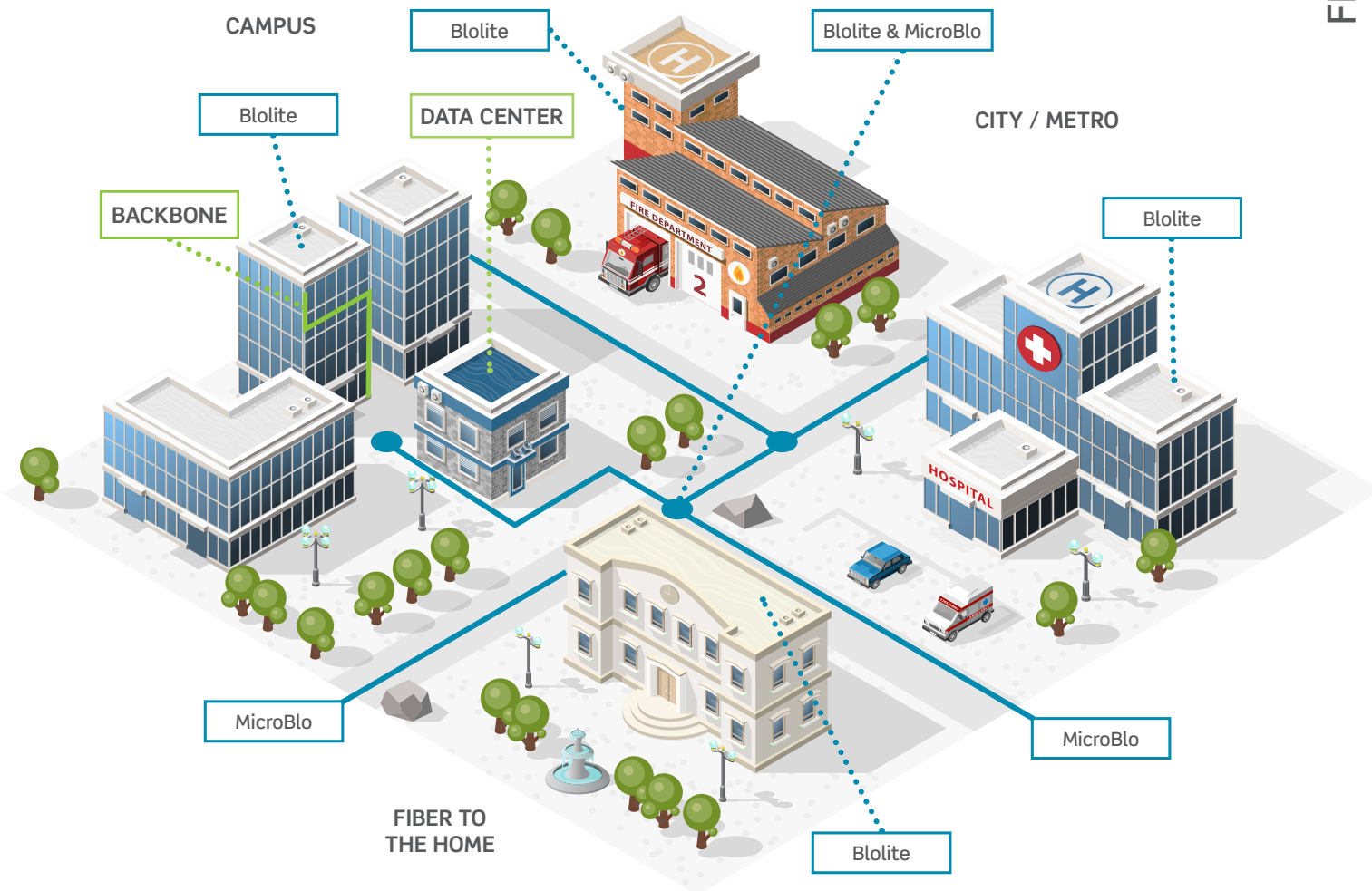
## Air-Blown Fiber Systems

In the past, industry practice had been to install “dark fiber” to plan for future bandwidth demands. However, this strategy carries risks, as unterminated and untested fibers may not be fit for purpose when the time comes to use them. Fortunately, there is a simple and cost-effective solution in Air-Blown Fiber Systems, which eliminate risk by preinstalling a ducting route and then blowing in (and paying for) the fiber element only when required. Leviton offers solutions for both internal and external applications with market-leading Blolite and MicroBlo systems.

## A COMPLETE SOLUTION FOR EVERY INSTALLATION

**Blolite** individual-blown fiber is a point-to-point solution suited to applications such as fiber to the desks/home, backbone links, campus, and data center applications. The specially coated single fibers are blown through the MicroDucts using “dry” air and can be installed in very complex routes often found within buildings.

**MicroBlo** Micro Cables are ideally suited for outside plant, campus, metro, and access applications. The Micro Cables are of a multiple loose-tube construction and are introduced into MicroDucts using the air as a lubricant to facilitate the blowing of the cables.



In the campus network, combining MicroBlo Micro Cables with Blolite fiber provides a complete solution that will realize all the benefits of an air-blown fiber system through its lifetime.

# AIR-BLOWN FIBER SYSTEMS | Blolite™ Systems

Blolite was one of the first air-blown solutions on the market and is regarded as the industry standard for air-blown fiber systems. The versatile system offers backbone and fiber-to-the-desk links, and can even allow for long-distance links of up to 1 kilometer. It installs easily by using compressed air, so there is no disruption to the workplace. Blolite fibers are simply terminated and are compatible with all standard optical connectors.

Air-Blown  
Fiber Systems

FIBER



## BLOLITE SINGLE-BLOWN FIBER ELEMENTS

- Complete range of single-mode and multimode fibers with blowable coating
- Strippable with standard tools and compatible with standard connector types
- Available in 12 colors
- Supplied on plastic reels in 2 or 4 kilometer lengths
- Installs in 3, 5, and 8 millimeter Blolite MicroDuct
- Installed by trained and licensed Blolite installer using IM2000 blow head

### [A] BLOLITE SINGLE-BLOWN FIBER ELEMENTS

COLOR	OM3	OM4	SINGLE-MODE
White	10-0003-03	10-0004-03	10-0200-03
Black	10-0003-05	10-0004-05	10-0200-05
Blue	10-0003-06	10-0004-06	10-0200-06
Orange	10-0003-07	10-0004-07	10-0200-07
Green	10-0003-08	10-0004-08	10-0200-08
Red	10-0003-09	10-0004-09	10-0200-09
Gray	10-0003-10	10-0004-10	10-0200-10
Yellow	10-0003-11	10-0004-11	10-0200-11
Brown	10-0003-12	10-0004-12	10-0200-12
Violet	10-0003-13	10-0004-13	10-0200-13
Pink	10-0003-14	10-0004-14	10-0200-14
Turquoise	10-0003-15	10-0004-15	10-0200-15

## SPOTLIGHT

### Installation Equipment



**Installing Blolite fibers** into a Blolite MicroDuct route requires the use of specially designed equipment. The IM2000 Blolite includes a purpose-made blow head, tripod, and pay-off system, all supplied within sturdy carrying cases. In addition to the IM2000, the installer will require a portable conditioned air supply delivering a minimum of 155slpm @ 10 bar and a 240v power source. The blow head uses a belt drive system to forward up to 12 Blolite fibers into a MicroDuct, at which point the air is introduced and the installation of the fiber is enabled.

Brand-Rex is a subsidiary of Leviton Mfg. Co., Inc



## BLOLITE DIRECT-INSTALL MICRODUCTS

- Facilitates installation of Blolite single-blown fibers for direct installation in external applications
- Up to 19 blue individual ducts, numbered for identification
- Standard low-friction halogen-free flame-retardant low-smoke duct and Polyethylene outer sheath

### [A] BLOLITE DIRECT-INSTALL MICRODUCTS

MICRODUCT SIZE = 5/3.5 MM	DIAMETER (MM)	PART NO.
Blolite 1-Way 5/3.5 mm Direct-Install MicroDuct	7.5	BL01DI0535
Blolite 2-Way 5/3.5 mm Direct-Install MicroDuct	7.5 x 13.0	BL02DI0535
Blolite 4-Way 5/3.5 mm Direct-Install MicroDuct	15.2	BL04DI0535
Blolite 7-Way 5/3.5 mm Direct-Install MicroDuct	18.6	BL07DI0535
Blolite 12-Way 5/3.5 mm Direct-Install MicroDuct	24.0	BL12DI0535
Blolite 19-Way 5/3.5 mm Direct-Install MicroDuct	29.6	BL19DI0535
MICRODUCT SIZE = 8/6 MM	DIAMETER (MM)	PART NO.
Blolite 1-Way 8/6 mm Direct-Install MicroDuct	10.5	BL01DI0806
Blolite 2-Way 8/6 mm Direct-Install MicroDuct	10.5 x 19.0	BL02DI0806
Blolite 4-Way 8/6 mm Direct-Install MicroDuct	23.0	BL04DI0806
Blolite 7-Way 8/6 mm Direct-Install MicroDuct	27.6	BL07DI0806
Blolite 12-Way 8/6 mm Direct-Install MicroDuct	36.0	BL12DI0806



## BLOLITE INDOOR MICRODUCTS

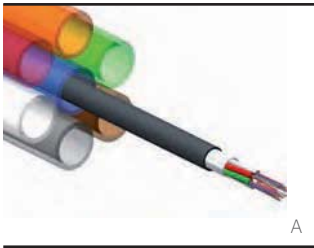
- Facilitates installation of Blolite single-blown fibers for indoor applications
- Up to 19 blue individual ducts, numbered for identification
- Standard low-friction polyolefin or halogen-free flame-retardant low-smoke duct for optimized blowing performance installation distances

### [B] BLOLITE INDOOR MICRODUCTS

MICRODUCT SIZE = 3/2.1 MM	DIAMETER (MM)	PART NO.
Blolite 1-Way 3/2.1 mm Indoor MicroDuct	5.0	BL01IN0321
Blolite 4-Way 3/2.1 mm Indoor MicroDuct	9.3	BL04IN0321
Blolite 7-Way 3/2.1 mm Indoor MicroDuct	11.7	BL07IN0321
Blolite 12-Way 3/2.1 mm Indoor MicroDuct	15.2	BL12IN0321
Blolite 19-Way 3/2.1 mm Indoor MicroDuct	17.7	BL19IN0321
MICRODUCT SIZE = 5/3.5 MM	DIAMETER (MM)	PART NO.
Blolite 1-Way 5/3.5 mm Indoor MicroDuct	5.0	BL01IN0535
Blolite 2-Way 5/3.5 mm Indoor MicroDuct	7.5 x 13.0	BL02IN0535
Blolite 4-Way 5/3.5 mm Indoor MicroDuct	15.2	BL04IN0535
Blolite 7-Way 5/3.5 mm Indoor MicroDuct	18.6	BL07IN0535
Blolite 12-Way 5/3.5 mm Indoor MicroDuct	24.0	BL12IN0535
Blolite 19-Way 5/3.5 mm Indoor MicroDuct	29.6	BL19IN0535
MICRODUCT SIZE = 8/6 MM	DIAMETER (MM)	PART NO.
Blolite 1-Way 8/6 mm Indoor MicroDuct	8.0	BL01IN0806
Blolite 2-Way 8/6 mm Indoor MicroDuct	10.5 x 19.0	BL02IN0806
Blolite 4-Way 8/6 mm Indoor MicroDuct	23.0	BL04IN0806
Blolite 7-Way 8/6 mm Indoor MicroDuct	27.6	BL07IN0806
Blolite 12-Way 8/6 mm Indoor MicroDuct	36.0	BL12IN0806

# AIR-BLOWN FIBER SYSTEMS | MicroBlo™ Systems

MicroDuct cabling systems are popular solutions for building flexibility into a network, as they can be populated when needed and leave spare capacity for future growth. MicroBlo air-blown loose-tube MicroDuct cable is available with fiber counts from 2 to 96.

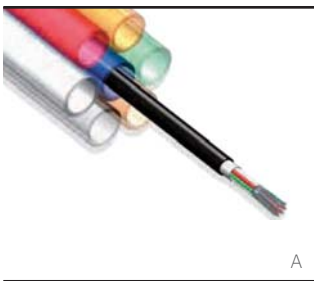


## MICROBLO 12-72 FIBER-BLOWN MICRO CABLE

- Fiber counts from 12 to 72 in a 6.0 mm diameter package
- Stranded gel-filled loose tubes with red and green marker reference for simple tube identification
- Improves installation efficiency in preinstalled 10/8 mm MicroDucts
- Constructed of non-metallic, resin-bonded glass central-strength member and high-density polyethylene sheath
- Fibers are color coded according to ANSI/TIA-598-D

### [A] 12-72 FIBER-BLOWN MICRO CABLE

DESCRIPTION	OM3	OM4	SINGLE-MODE
12-Fiber	HFOM3BMC12WNNM6	HFOM4BMC12WNNM6	HF008BMC12WNNM6
24-Fiber	HFOM3BMC24WNNM6	HFOM4BMC24WNNM6	HF008BMC24WNNM6
36-Fiber	HFOM3BMC36WNNM6	HFOM4BMC36WNNM6	HF008BMC36WNNM6
48-Fiber	HFOM3BMC48WNNM6	HFOM4BMC48WNNM6	HF008BMC48WNNM6
60-Fiber	HFOM3BMC60WNNM6	HFOM4BMC60WNNM6	HF008BMC60WNNM6
72-Fiber	HFOM3BMC72WNNM6	HFOM4BMC72WNNM6	HF008BMC72WNNM6



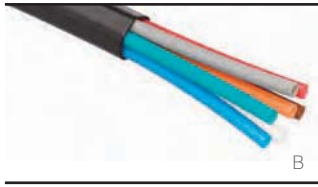
## MICROBLO 84 & 96 FIBER-BLOWN MICRO CABLE

- Fiber counts from 84 to 96 in a 7.0 mm diameter package
- Stranded gel-filled loose tubes with red and green marker reference for simple tube identification
- Improves installation efficiency in preinstalled 12/9.4 mm MicroDucts
- Constructed of non-metallic, resin-bonded glass central-strength member and high-density polyethylene sheath
- Fibers are color-coded according to ANSI/TIA-598-D

### [A] UP TO 96-FIBER MICRO CABLE

DESCRIPTION	OM3	OM4	SINGLE-MODE
84-Fiber	HFOM3BMC84WNNM8	HFOM4BMC84WNNM8	HF008BMC84WNNM8
96-Fiber	HFOM3BMC96WNNM8	HFOM4BMC96WNNM8	HF008BMC96WNNM8





## MICROBLO OUTDOOR DIRECT-INSTALL PROTECTED MICRODUCTS

- Facilitates the installation of MicroBlo air-blown fiber cables
- Up to 19 individual ducts
- Standard low-friction duct and high-density polyethylene outer sheath

### [B] MICROBLO DIRECT-INSTALL PROTECTED MICRODUCTS

MICRODUCT SIZE = 5/3.5 MM OUTER DIAMETER/BORE	DIAMETER (MM)	PART NO.
MicroBlo 1-Way 5/3.5 mm Outdoor Direct-Install MicroDuct	5.0	MB01DI0535
MicroBlo 2-Way 5/3.5 mm Outdoor Direct-Install MicroDuct	11.5	MB02DI0535
MicroBlo 4-Way 5/3.5 mm Outdoor Direct-Install MicroDuct	13.6	MB04DI0535
MicroBlo 7-Way 5/3.5 mm Outdoor Direct-Install MicroDuct	16.5	MB07DI0535
MicroBlo 12-Way 5/3.5 mm Outdoor Direct-Install MicroDuct	21.5	MB12DI0535
MicroBlo 19-Way 5/3.5 mm Outdoor Direct-Install MicroDuct	26.5	MB19DI0535
MicroBlo 24-Way 5/3.5 mm Outdoor Direct-Install MicroDuct	32.2	MB24DI0535
MICRODUCT SIZE = 10/8 MM OUTER DIAMETER/BORE	DIAMETER (MM)	PART NO.
MicroBlo 1-Way 10/8 mm Outdoor Direct-Install MicroDuct	10.0	MB01DI1008
MicroBlo 2-Way 10/8 mm Outdoor Direct-Install MicroDuct	21.5	MB02DI1008
MicroBlo 4-Way 10/8 mm Outdoor Direct-Install MicroDuct	25.6	MB04DI1008
MicroBlo 7-Way 10/8 mm Outdoor Direct-Install MicroDuct	31.5	MB07DI1008
MICRODUCT SIZE = 12/10 MM OUTER DIAMETER/BORE	DIAMETER (MM)	PART NO.
MicroBlo 1-Way 12/10 mm Outdoor Direct-Install MicroDuct	12.0	MB01DI1210
MicroBlo 2-Way 12/10 mm Outdoor Direct-Install MicroDuct	25.5	MB02DI1210
MicroBlo 4-Way 12/10 mm Outdoor Direct-Install MicroDuct	30.0	MB04DI1210
MicroBlo 7-Way 12/10 mm Outdoor Direct-Install MicroDuct	37.5	MB07DI1210

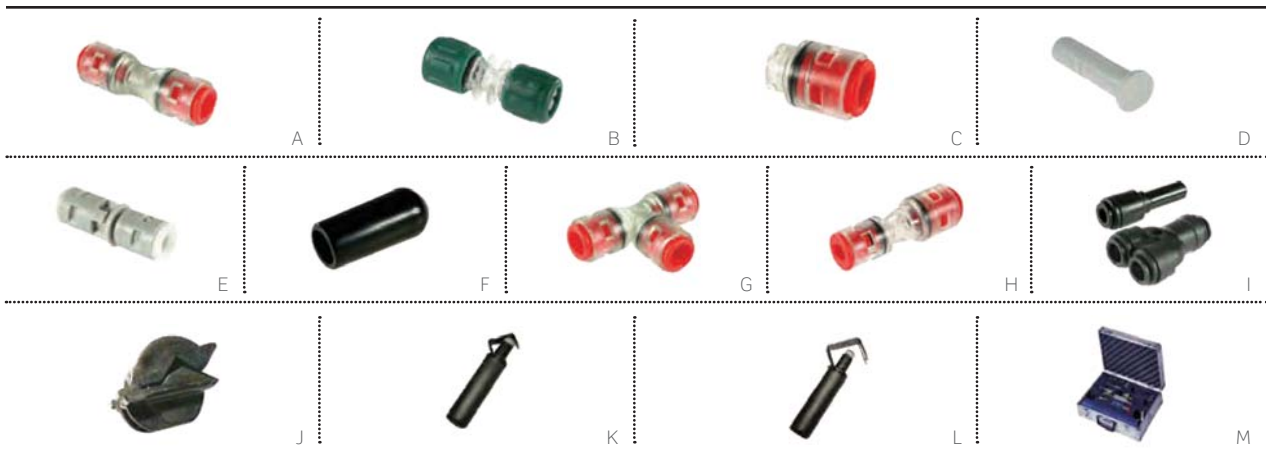


## MICROBLO DIRECT-BURIAL PROTECTED MICRODUCTS

- Facilitates installation of MicroBlo single-blown fibers for direct burial
- Up to 19 individual ducts
- Thick-wall polyethylene duct and high-density polyethylene sheath

### [A] MICROBLO OUTDOOR DIRECT-BURIAL PROTECTED MICRODUCTS

MICRODUCT SIZE = 7/3.5 MM OUTER DIAMETER/BORE	DIAMETER (MM)	PART NO.
MicroBlo 1-Way 7/3.5 mm Outdoor Direct-Burial MicroDuct	7.0	MB01DB0735
MicroBlo 2-Way 7/3.5 mm Outdoor Direct-Burial MicroDuct	15.5	MB02DB0735
MicroBlo 4-Way 7/3.5 mm Outdoor Direct-Burial MicroDuct	18.4	MB04DB0735
MicroBlo 7-Way 7/3.5 mm Outdoor Direct-Burial MicroDuct	22.5	MB07DB0735
MicroBlo 12-Way 7/3.5 mm Outdoor Direct-Burial MicroDuct	29.5	MB12DB0735
MicroBlo 19-Way 7/3.5 mm Outdoor Direct-Burial MicroDuct	36.5	MB19DB0735
MicroBlo 24-Way 7/3.5 mm Outdoor Direct-Burial MicroDuct	43.0	MB24DB0735
MICRODUCT SIZE = 12/8 MM OUTER DIAMETER/BORE	DIAMETER (MM)	PART NO.
MicroBlo 1-Way 12/8 mm Outdoor Direct-Burial MicroDuct	12.0	MB01DB1208
MicroBlo 2-Way 12/8 mm Outdoor Direct-Burial MicroDuct	25.5	MB02DB1208
MicroBlo 4-Way 12/8 mm Outdoor Direct-Burial MicroDuct	30.0	MB04DB1208
MicroBlo 7-Way 12/8 mm Outdoor Direct-Burial MicroDuct	37.5	MB07DB1208
MICRODUCT SIZE = 14/10 MM OUTER DIAMETER/BORE	DIAMETER (MM)	PART NO.
MicroBlo 1-Way 14/10 mm Outdoor Direct-Burial MicroDuct	14.0	MB01DB1410
MicroBlo 2-Way 14/10 mm Outdoor Direct-Burial MicroDuct	29.5	MB02DB1410
MicroBlo 4-Way 14/10 mm Outdoor Direct-Burial MicroDuct	35.0	MB04DB1410
MicroBlo 7-Way 14/10 mm Outdoor Direct-Burial MicroDuct	43.5	MB07DB1410



- Range of plastic-bodied, pneumatic-tube connectors for Blolite and MicroBlo tube routing
- Rated for the maximum working pressure of 10 Bar
- Connectors can be installed with a simple push-pull technique and can be reused several times

## MICROBLO AND BLOLITE MICRODUCT CONNECTIVITY

CONNECTOR TYPE	3/2.1 mm	5/3.5 mm	7/3.5 mm	8/6 mm	10/8 mm	12/8 mm	12/9.4 mm	14/9.4 mm
[A] Straight, push/pull	30-0301-00	30-0501-00	30-0721-00	30-0801-00	30-1001-00	30-1221-00	30-1201-00	30-1421-00
[B] Straight, screw retention	—	30-0502-00	—	30-0802-00	—	—	—	—
[C] End Stop	30-0304-00	30-0504-00	30-0704-00	30-0804-00	30-1004-00	30-1204-00	30-1204-00	30-1404-00
[D] Connector End Plug	—	30-0505-09	—	—	—	—	—	—
[E] Bulkhead Mounted Connector	—	30-0506-09	—	—	—	—	—	—
[F] Dust Cap	30-0307-05	30-0507-05	30-0707-05	30-0807-05	30-1007-05	30-1207-05	30-1207-05	30-1407-05
[G] Gas Blocking "T" Piece	—	30-0508-00	—	30-0808-00	—	—	—	—
8 mm to 5 mm Reducer	—	30-5801-00	—	—	—	—	—	—
[H] Standard to Direct Burial mating connector	—	—	30-5701-00 (7/3.5 mm to 5/3.5 mm)	—	—	30-0201-00 (12/8 mm to 10/8 mm)	—	30-2401-00 (14/9.4 mm to 12/9.4 mm)
[I] Termination Fiber Diverter	—	—	—	30-0809-05	—	—	—	—
8 mm to 5 mm Stem Converter	—	30-5810-05	—	—	—	—	—	—
Water Blocking Straight	—	30-0503-00	—	—	30-1003-00	—	30-1203-00	—

## MICROBLO AND BLOLITE MICRODUCT CONNECTIVITY TOOLS

DESCRIPTION	PART NO.
[J] Radial Tube Cutter	54-0100-00
[K] Duct Stripping Tool 4.5 mm - 29.00 mm	54-0201-00
[L] Duct Stripping Tool 19.00 mm - 40.00 mm	54-0202-00
[M] Duct Testing Kit	50-0506-00

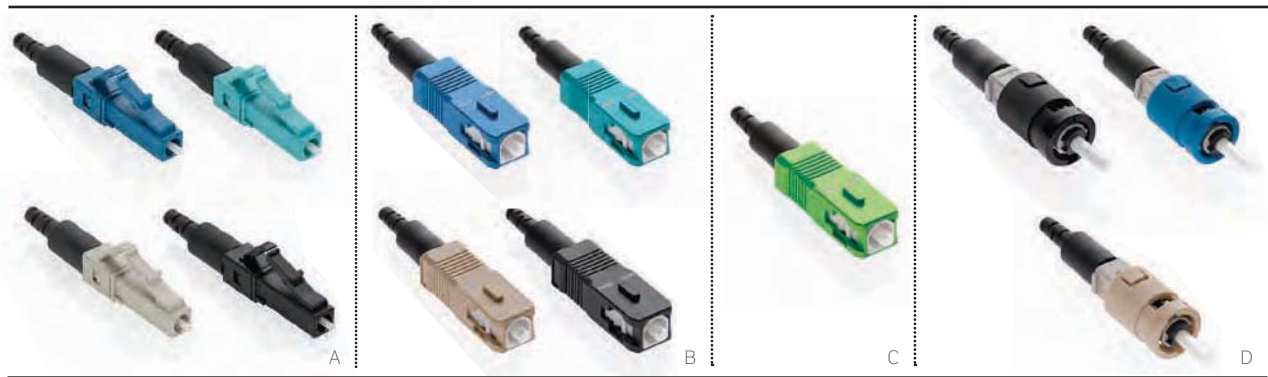


## FEATURED PRODUCTS

FastCAM  
Connectors **B66**

# Connectors & Housings

Leviton has everything you need to properly terminate your fiber network. FastCAM™ connectors are available in LC, SC, and ST styles. To extend fiber to the workstation, we also offer QuickPort™ fiber adapters for wallplates and Multimedia Outlet System (MOS) housings. Go to the Housings & Wallplates section to see our wallplate selection.



**FASTCAM CONNECTORS**

- Pre-polished, field-installable connectors
- 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
- Higher yields with Visual Fault Locator (VFL)-compatible LC, SC, and ST connectors
- Available in OM1, OM2, OM3, OM4, OS2 UPC, and OS2 APC (SC only)



FastCAM Components

FASTCAM CONNECTORS - 1 PER BAG				
DESCRIPTION	OS2 SINGLE-MODE	OM1 MULTIMODE	OM2 MULTIMODE	OM3 & OM4 LOMM
<b>[A]</b> LC FastCAM Connector	49991-SLC (Blue)	49991-MLC (Beige)	49991-5LC (Black)	49991-LLC (Aqua)
<b>[B]</b> SC FastCAM Connector	49991-SSC (Blue)	49991-MSC (Beige)	49991-5SC (Black)	49991-LSC (Aqua)
<b>[C]</b> SC/APC FastCAM Connector*	49991-ASC (Green)	—	—	—
<b>[D]</b> ST FastCAM Connector	49991-SST (Blue)	49991-MST (Beige)	49991-5ST (Black)	—
FASTCAM ACCESSORIES				
FastCAM LC Duplex Clips	49991-CLP	49991-CLP	49991-CLP	49991-CLP

\* Includes an internal 8° cleave for >60 dB return loss performance. Requires 8° cleave tool (see page B73, item L). See pages B71-B74 for FastCAM tools and consumables.

**SPOTLIGHT**

Visual Fault Locator (VFL)



The Leviton Visual Fault Locator (VFL) uses a bright red laser to locate faults in optical fiber, such as bends, breaks, and defective connectors. The VFL comes with a 2.5 mm interface for ST and SC type connectors and a 1.25 mm adapter for LC type connectors, and a soft carrying case. Use with LC, SC, and ST FastCAM connectors. The VFL is an ideal tool for first time users of FastCAM pre-polish connectors as it provides real-time visual feedback on success of fiber-to-fiber coupling just prior to activating the clamps.

See page B73.





## FIELD POLISH CONNECTORS

- Anaerobic adhesive/epoxy field-polish connectors
- Hand polishing required
- Most robust connection, ideal for inside and outside plant applications
- Available in LC, SC and ST connector styles
- LC simplex or duplex, for 900 μm, 2.0 mm to 3.0 mm cable, single-mode and multimode options
- SC simplex or duplex, for 900 μm, 2.0 mm to 3.0 mm cable, single-mode and multimode options
- ST for 900 μm, 2.0 mm to 3.0 mm cable, single-mode and multimode options

ANAEROBIC ADHESIVE FIELD POLISH CONNECTORS			
DESCRIPTION	SINGLE-MODE	APC SINGLE-MODE	MULTIMODE
LC Connector, Simplex, with 2 mm boot	FOCLSEPSM001 (blue)	FOCALEPSM001 (green)	FOCLSEPM001 (beige)
LC Connector, Duplex, with 2 mm boot	FOCLCEPSM001 (blue)	—	<b>[A]</b> FOCLCEPMM001 (beige)
LC Connector, Simplex, with 900 μm boot	FOCLSEPSM002 (blue)	FOCALEPSM002 (green)	FOCLSEPM002 (beige)
LC Connector, Duplex, with 900 μm boot	—	—	FOCLCEPMM002 (beige)
LC Connector, Duplex, with 3 mm boot	—	—	FOCLCEPMM003 (beige)
SC Connector, Simplex, with 900 μm and 2.4-3.0 mm boots	<b>[B]</b> FOCSEPSM001 (blue)	FOFACEPSM001 (green)	FOCSEPM001 (beige)
SC Connector, Duplex, with 900 μm and 2.4-3.0 mm boots	FOCDCEPSM001 (blue)	—	FOCDCEPMM001 (beige)
SC Connector, Simplex, with 900 μm and 2.0 mm boots	FOCSEPSM002 (blue)	—	FOCSEPM002 (beige)
SC Connector, Simplex, with 900 μm and 2.0 mm boots	FOCDCEPSM002 (blue)	—	FOCDCEPMM002 (beige)
ST Connector, with 900 μm and 3.0 mm boots	FOCSTEPMS001	—	<b>[C]</b> FOCSTEPMM001
ST Connector, with 900 μm and 2.0 mm boots	FOCSTEPMS002	—	FOCSTEPMM002

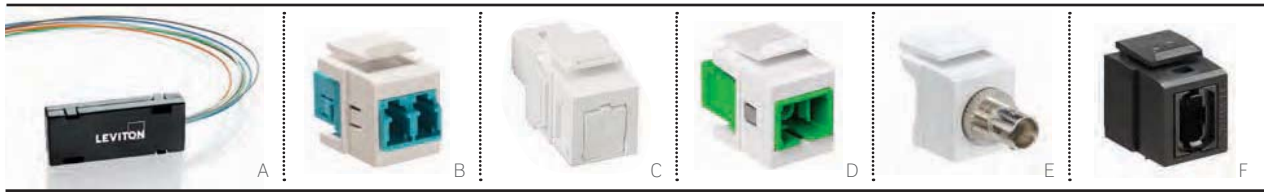
Note: See product data sheets (LC: GD102432, SC: GD102431, ST: GD1024230, GD102248) for product specifications including boot and body colors. Colors not listed may indicate multiple colors.

See pages B71-B74 for Field polish tools and consumables.

## SPOTLIGHT Ceramic vs. Polymer Ferrules

Fiber optic ferrules, which ensure 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/moves, adds, and changes). Leviton builds its connectors using only ceramic ferrules, so our customers can be assured of the best fiber connector performance in any application.





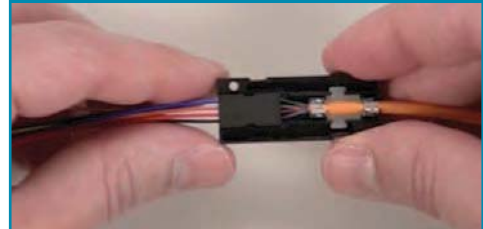
## FIBER OPTIC FAN-OUT KITS

- 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-inch lengths
- Works with cabling from any manufacturer (will accommodate maximum buffer-tube diameter up to 3.5 mm)

## QUICKPORT FIBER ADAPTERS

- Snap into all QuickPort openings and Multimedia Outlet System (MOS) housings, see page C3
- Tool-free plug-n-play installation
- Offered with zirconia-ceramic alignment sleeve

### WATCH: INSTALLATION VIDEOS



[Leviton.com/ns/videos](http://Leviton.com/ns/videos)  
"How to Terminate the Fan-Out Kit"

## FIBER OPTIC FAN-OUT KITS

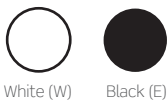
DESCRIPTION	PART NO.
<b>[A]</b> 24-Inch Fiber Optic Fan-Out Kit, 6-fiber*	49887-06S
24-Inch Fiber Optic Fan-Out Kit, 12-fiber*	49887-12S
36-Inch Fiber Optic Fan-Out Kit, 6-fiber*	49887-06L
36-Inch Fiber Optic Fan-Out Kit, 12-fiber*	49887-12L
Fan-Out Consumables Kit*	49800-FAN

## QUICKPORT FIBER ADAPTERS

DESCRIPTION	PART NO.
QuickPort Duplex LC Adapter, MM, phosphor bronze sleeve, Beige*	41085-ML ^
<b>[B]</b> QuickPort Duplex LC Adapter, OM3/4, zirconia ceramic sleeve, Aqua*	41085-LL ^
QuickPort Duplex LC Adapter, SM, zirconia ceramic sleeve, Blue*	41085-SL ^
<b>[C]</b> QuickPort Simplex SC Shuttered Adapter, SM/MM, zirconia ceramic, female front/back*	41085-S ^C
<b>[D]</b> QuickPort Simplex SC/APC Adapter, SM, zirconia ceramic, female front/back*	41085-AS ^
<b>[E]</b> QuickPort ST Fiber Optic Adapter, SM/MM, zirconia ceramic sleeve*	41084-S ^Z
<b>[F]</b> MTP™ QuickPort Adapter, SM/MM, key up to key down, black*	41085-TPE
MTP™ QuickPort Adapter, SM/MM, key up to key up, black*	41085-TBE

\* = Minimum order quantity and lead times may apply.

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





## FEATURED PRODUCTS

Visual Fault Locator (VFL) **B73**

Cleaver **B73**

## Tools & Consumables

Different termination technologies require unique tools. Leviton has everything you need to terminate field 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 locate optical fiber damage with the Leviton Visual Fault Locator (VFL). The pocket-sized tool uses a bright red laser to locate faults, including tight bends, breaks, and defective connectors. The VFL comes with a 2.5 mm interface for ST and SC type connectors and a 1.25 mm adapter for LC type connectors, and a soft carrying case. Use with FastCAM™ LC and SC connectors for enhanced terminations. The VFL is an ideal tool for first time users of FastCAM pre-polish connectors as it provides real-time visual feedback on success of fiber-to-fiber coupling just prior to activating the clamps. **See page B73.**



Tools & Consumables

FIBER

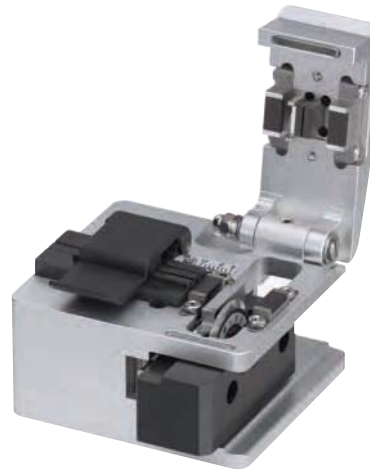
## LEVITON 200X INSPECTION SCOPES

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 job-site abuse while offering an ergonomic grip. **See page B73.**



## FASTCAM TERMINATION TOOLS

FastCAM terminations and fusion splicing both require precision cleaving. Get the accuracy you need with the Cleaver. A cleave angle of 90 degree +/- .5 degree is guaranteed; the 16-position blade remains sharp through approximately 48,000 cleaves. For a self-contained workspace, mount the Cleaver to the optional work tray and use the gooseneck LED for task lighting. The Leviton APC Angled Cleaver is required for APC single-mode FastCAM connectors. **See page B73.**



## ONLINE TRAINING VIDEOS

Increase your expertise with Leviton's online fiber training. Step-by-step instructions on terminating FastCAM 250 μm or 900 μm fiber or using our fan-out kits are all available with just a click of the mouse. All of Leviton's training videos feature clear, easy-to-understand images and instructions for maximum effectiveness. **Visit [Leviton.com/ns/videos](http://Leviton.com/ns/videos).**





A



B



C



D

## FIBER OPTIC LIGHT TOOL KIT

- Essential tool set for quick termination of field polish connectors
- Terminates both multimode and single-mode fiber

## FIBER OPTIC FIELD POLISH TOOL KIT

- All the tools you need for terminating multimode or single-mode LC, SC, or ST field polish adhesive connectors
- Adhesive accelerator kit sold separately, see page B74

## FIBER OPTIC FASTCAM™ TOOL KIT

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

Consumables sold separately. See page B78.

FIBER OPTIC TOOL KITS	
DESCRIPTION	PART NO.
[A] Basic Field Polish Tool Kit	49800-MTK
[B] Field Polish Tool Kit	49800-FTK
[C] FastCAM Tool Kit with Cleaver, Work Tray, and LED light*	49800-LAK
[D] FastCAM Tool Kit with Cleaver*	49800-MSK

\* = Minimum order quantity and lead times may apply.



# TOOLS & CONSUMABLES | Fiber Optic Tool Kits

FIBER OPTIC TOOL KITS CONTENTS	FIELD POLISH TOOL KITS		FASTCAM™ TOOL KITS	
	[A] 49800-MTK	[B] 49800-FTK	[C] 49800-LAK	[D] 49800-MSK
Tool Kit Carrying Case (49886-FCC)	•	•	•	•
250 and 900 µm Buffer Remover (49886-BR2)		•	•	•
Fiber & Jacket Strip Tool, 250/900 micron and 2.0/3.0 mm (49886-BR3)	•	•		
Jacket Stripper (49886-STP)	•	•		
Aramid Strand Scissors (49886-SIS)	•	•		
Safety Glasses (not sold separately)		•		
Polishing Puck 1.25 mm, LC (49886-LCP)	•	•		
Polishing Puck 2.5 mm, SC/ST (49886-PUC)	•	•		
Polishing Pad 7.6 cm x 15.2 cm (49886-PAD)	•	•		
Sapphire Scribe (49886-SCR)	•	•		
Flat Cleaver (49886-LNX)			•	•
100x Inspection Scope (49886-SCP)	•			
200x Inspection Scope (49886-FSP)		•		
LC Scope Adapter, works with 200x scope only (49886-LCS)		•		
Piano Clearing Wire, included in the FTK (49886-WRE)		•		
Lint-Free Dry Wipes, 100 per pack (49886-DWP)		•	•	•
Alcohol Pads, 100 per pack (49886-APD)		•	•	•
Lapping Film 12 µm AL2O3, 100 per pack (49886-12F)		•		
Lapping Film 3 µm AL2O3, 100 per pack (49886-03F)		•		
Lapping Film 0.3 µm AL2O3, 100 per pack (49886-X3F)		•		
Crimp Tool (49886-FCT)		•		
Light LED Magnetic Gooseneck (49886-LGN)			•	
Work Tray Zinc Plated Steel (49886-LNT)			•	

Tools & Consumables  
FIBER

## SPOTLIGHT

### USEK

Lebanon's Holy Spirit University of Kaslik (USEK) is one of the largest universities in Lebanon, educating more than 8,000 students every year through 15 academic units and four campuses.

USEK recently finalized the completion of a laser-optimized multimode fiber (OM4) 40 Gb/s backbone network at its main campus. They conducted many tests to select a main vendor for their campus-wide infrastructure, and in the end they chose Leviton. They used OM4 cable, Opt-X™ 500i panels, LC connectors, LC cords, and cable managers. They connected all campus buildings within three months.



# TOOLS & CONSUMABLES | Fiber Optic Tools

FIBER  
Tools & Consumables



UNIVERSAL TOOLS & ACCESSORIES		
DESCRIPTION	PART NO.	
<b>[A]</b> 250 and 900 μm Buffer Remover (yellow handle)	49886-BR2	
<b>[B]</b> Stripper 2.0/3.0 mm Jacket and 250/900 μm Buffer	49886-BR3	
<b>[C]</b> Jacket Stripper	49886-STP	
<b>[D]</b> Aramid Strand Scissors	49886-SIS	
Sapphire Scribe	49886-SCR	
1.25 mm (LC) Polishing Puck	49886-LCP	
2.5 mm (SC/ST) Polishing Puck	49886-PUC	
3" x 6" Polishing Pad	49886-PAD	
Tool Kit Carrying Case	49886-CSE	
Safety Pad	49886-SPD	
<b>[E]</b> 200x Inspection Scope	49886-FSP	
<b>[F]</b> LC Scope Adapter (works with 200x scope only)	49886-LCS	
Duplex LC Scope Adapter (works with 200x scope only)	49886-LCD	
<b>[G]</b> MTP™ Scope Adapter (works with 200x scope only)	49886-MCS	
Fiber Optic Crimp Tool with .128/.151/.178 hex die	49886-FCT	
Tool Kit Carrying Case	49886-FCC	
<b>[H]</b> MTP/MPO Male/Female Cleaning Tool (>600 Cleanings)	49886-MCT	
MTP/MPO Refill Kit for 49886-MCT	49886-MCR	
<b>[I]</b> LC-LC and MU Cleaning Tool	49886-LCT	
<b>[J]</b> SC-SC, ST, FC and E2000 Cleaning Tool	49886-SCT	
<b>[K]</b> MTP/MPO Female Cleaning Tool	49886-UFT	
MTP/MPO Male (w/pins) Cleaning Tool	49886-UMT	

FASTCAM™ SPECIFIC TOOLS	
DESCRIPTION	PART NO.
Work Tray^	49886-LNT
Gooseneck LED^	49886-LGN
<b>[L]</b> APC Angled Cleaver	49886-APC
<b>[M]</b> Flat Cleaver	49886-LNX
<b>[N]</b> Visual Fault Locator (VFL) (2.5 mm and 1.25 mm adapters included)	49886-VFL
Replacement 1.25 mm Adapter for VFL	49886-FLA

^ = Minimum order quantity and lead times may apply.

### LEARN: CLEANING INSTRUCTIONS

Protect your investment and make sure you get the network performance you expect when you CL.I.C. — Clean, Inspect, Connect.

See page B39 or visit [Leviton.com/clc](http://Leviton.com/clc) for directions.



### 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

Sufficient supplies for approximately 200 terminations. Set includes:

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

### ANAEROBIC ADHESIVE FIELD POLISH CONSUMABLES KIT

Everything from the Universal Kit, plus specialized supplies for approximately 200 anaerobic adhesive field polish 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.
<b>[A]</b> Universal Consumables Kit	49800-CON
<b>[B]</b> Anaerobic Adhesive Field Polish Consumables Kit	49800-FCC
<b>[C]</b> Adhesive/Accelerator Kit	49800-680
<b>[D]</b> Fan-Out Consumables Kit	49800-FAN

## CONSUMABLES

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



# AV SOLUTIONS



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## SECTION C CONTENTS

<b>AV SOLUTIONS</b>	<b>C3</b>	Signal Extension Introduction
	<b>C5</b>	IT/AV System
	<b>C7</b>	Connection Diagrams > Classroom
	<b>C9</b>	Connection Diagrams > Conference Room
	<b>C11</b>	AV Signal Extension
	<b>C15</b>	HDMI™ Cables
	<b>C16</b>	AV Couplers, Jacks & Inserts
	<b>C18</b>	AV Connectors
	<b>C19</b>	In-Wall/Ceiling Spec-Grade Sound™ Speakers
	<b>C18</b>	Volume Controls & Audio Distribution Modules
	<b>C21</b>	Home Theater & Recessed Devices



## AV SOLUTIONS

Leviton IT/AV systems combine category-rated structured cabling with audiovisual signal extenders to create plug-and-play solutions with no programming required. The enterprise-grade systems allow contractors to extend AV signals over twisted-pair cabling with the same tools used for installing datacom infrastructure. They can then test and certify the installation to Ethernet standards to ensure high signal performance after they leave the jobsite.

Signal Extension

AV SOLUTIONS

### HDMI™



**A:**  
HDBaseT™ 100 m Extender



**B:**  
HDBaseT 70 m Extender



**C:**  
40 m Extender

### VGA



**D:**  
100 m Extender

### USB



**E:**  
USB 2.0 100 m Extender

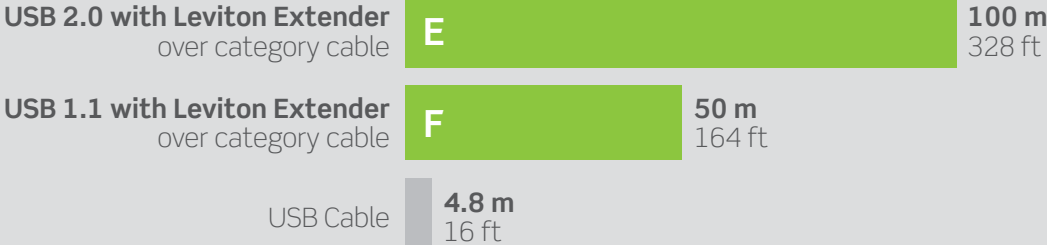
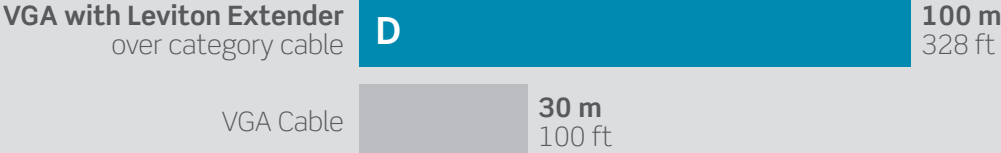
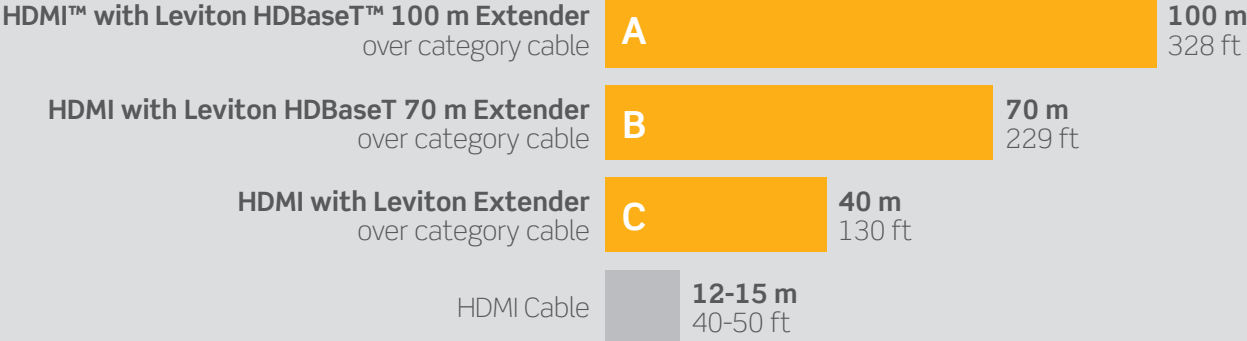


**F:**  
USB 1.1 50 m Extender

**EXTENDING HIGH-QUALITY AV SIGNALS OVER CATEGORY CABLE**

Deliver the high-quality audio and video required for today’s technologies with Leviton IT/AV Systems, which include signal extenders for long distance transmission of HD video. We offer extenders for a variety of connection types that increase cable distance and retain high signal performance.

Below are recommended maximum lengths using Leviton extenders, compared to maximum lengths for different AV cables.



Signal Extension

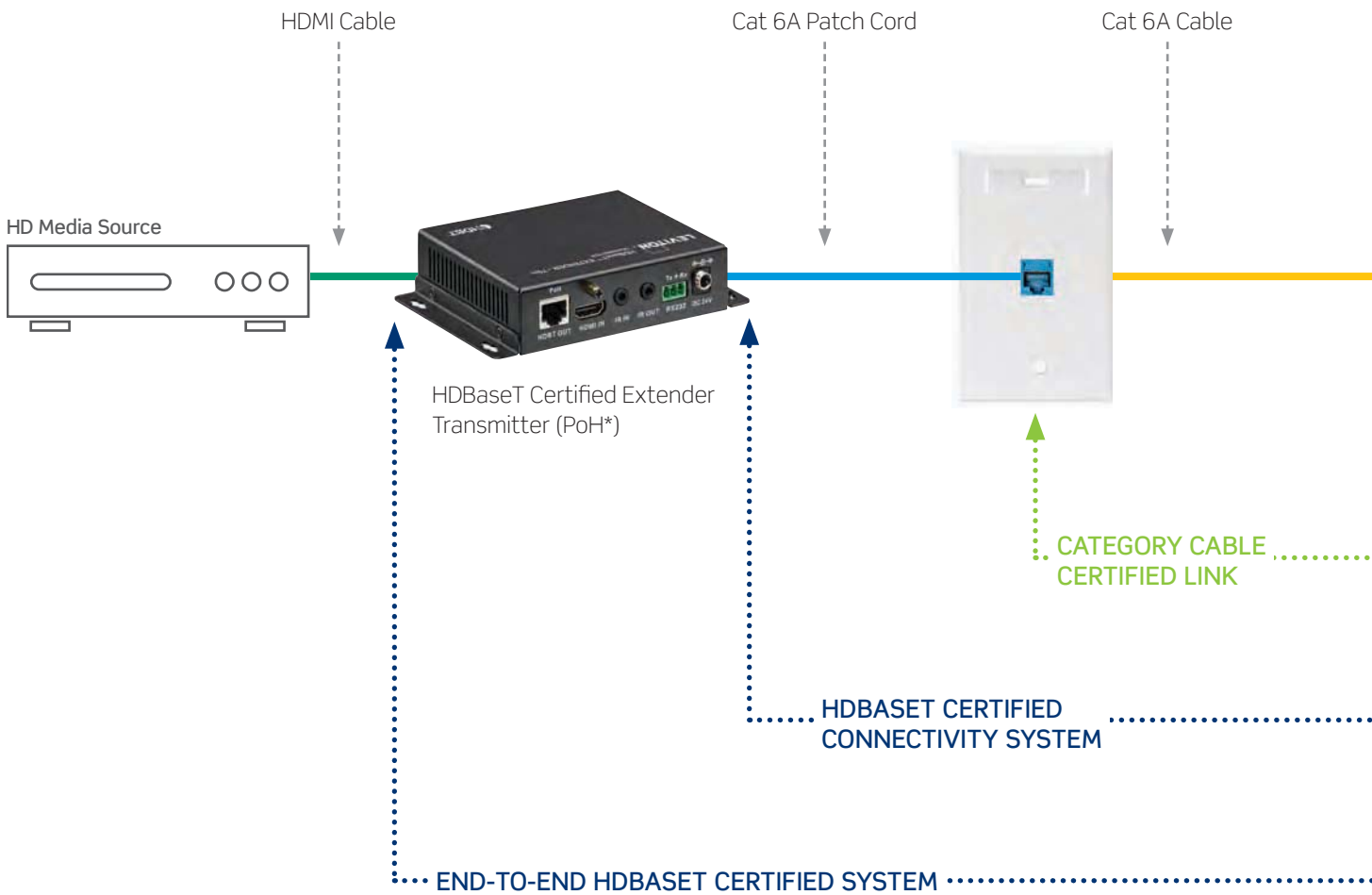
AV SOLUTIONS

### END-TO-END TESTED AND CERTIFIED AV SYSTEMS

The increasing convergence of AV and data networks has positioned low-voltage, BICSI RCDD contractors as the next generation of AV integrators. Leviton's new IT/AV Systems help these contractors be the AV experts for their customers and use an easy-to-install solution that requires no programming and little-to-no training.

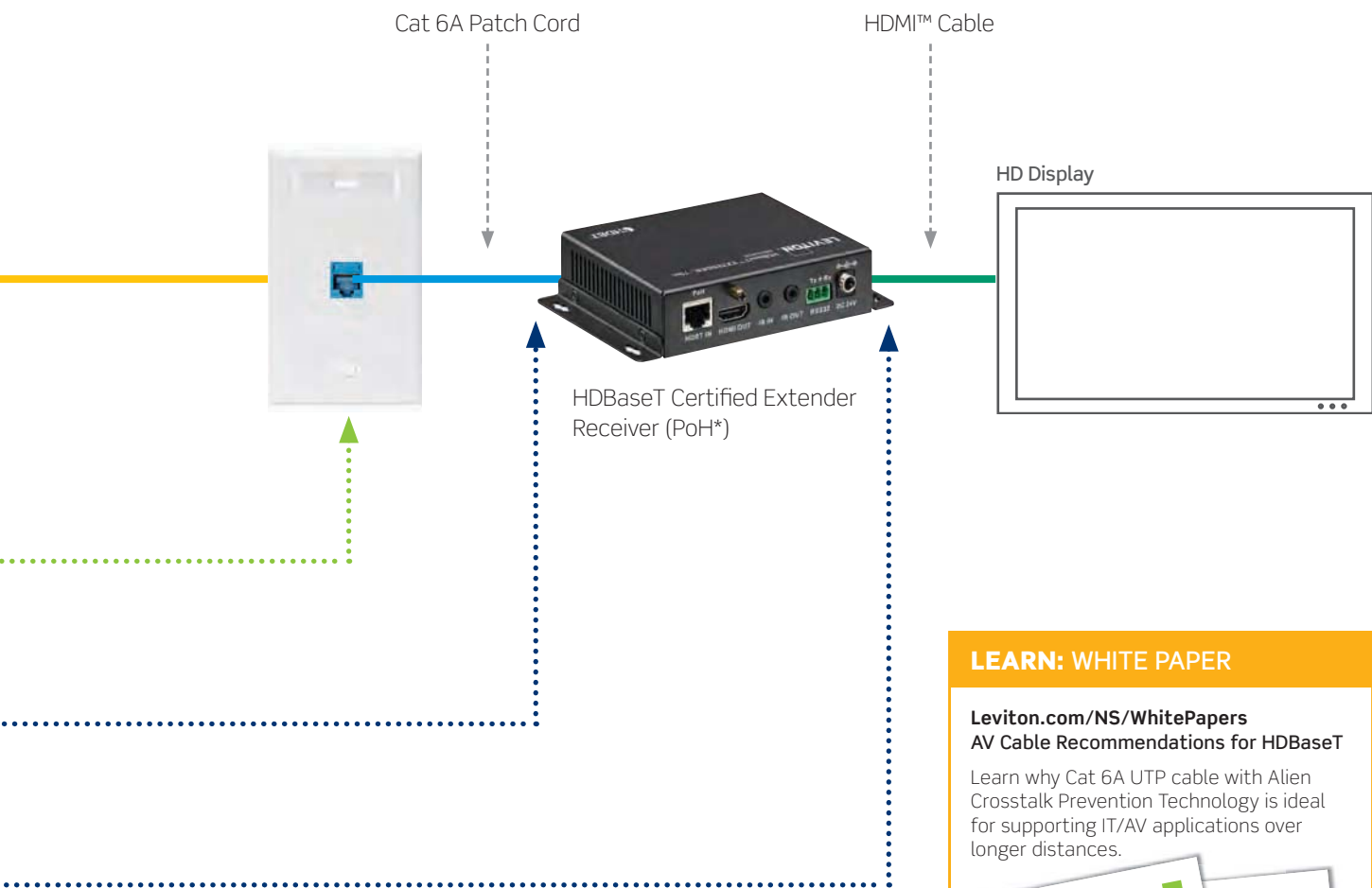
An IT/AV System combines Leviton HDBaseT™ HDMI™ Extenders, Atlas-X1™ Cat 6A connectivity, and approved Cat 6A cable and patch cords for a complete end-to-end solution. The Cat 6A infrastructure link can be installed, tested, and verified like any other Cat 6A 10GBASE-T link. This system is also certified to HDBaseT Alliance standards.

IT/AV System  
AV SOLUTIONS



## HDBaseT™ certification offers important benefits:

- System longevity capable of supporting future HD video signal performance requirements
- Installation and testing using the same tools used for datacom infrastructure
- Peace of mind that comes from third-party verification and certification of AV signal transmission performance
- Compatibility with other manufacturers' equipment supporting the same HDBaseT features
- Limited lifetime warranty on the structured cabling system when installed by a Leviton certified contractor



### LEARN: WHITE PAPER

[Leviton.com/NS/WhitePapers](http://Leviton.com/NS/WhitePapers)  
**AV Cable Recommendations for HDBaseT**

Learn why Cat 6A UTP cable with Alien Crosstalk Prevention Technology is ideal for supporting IT/AV applications over longer distances.



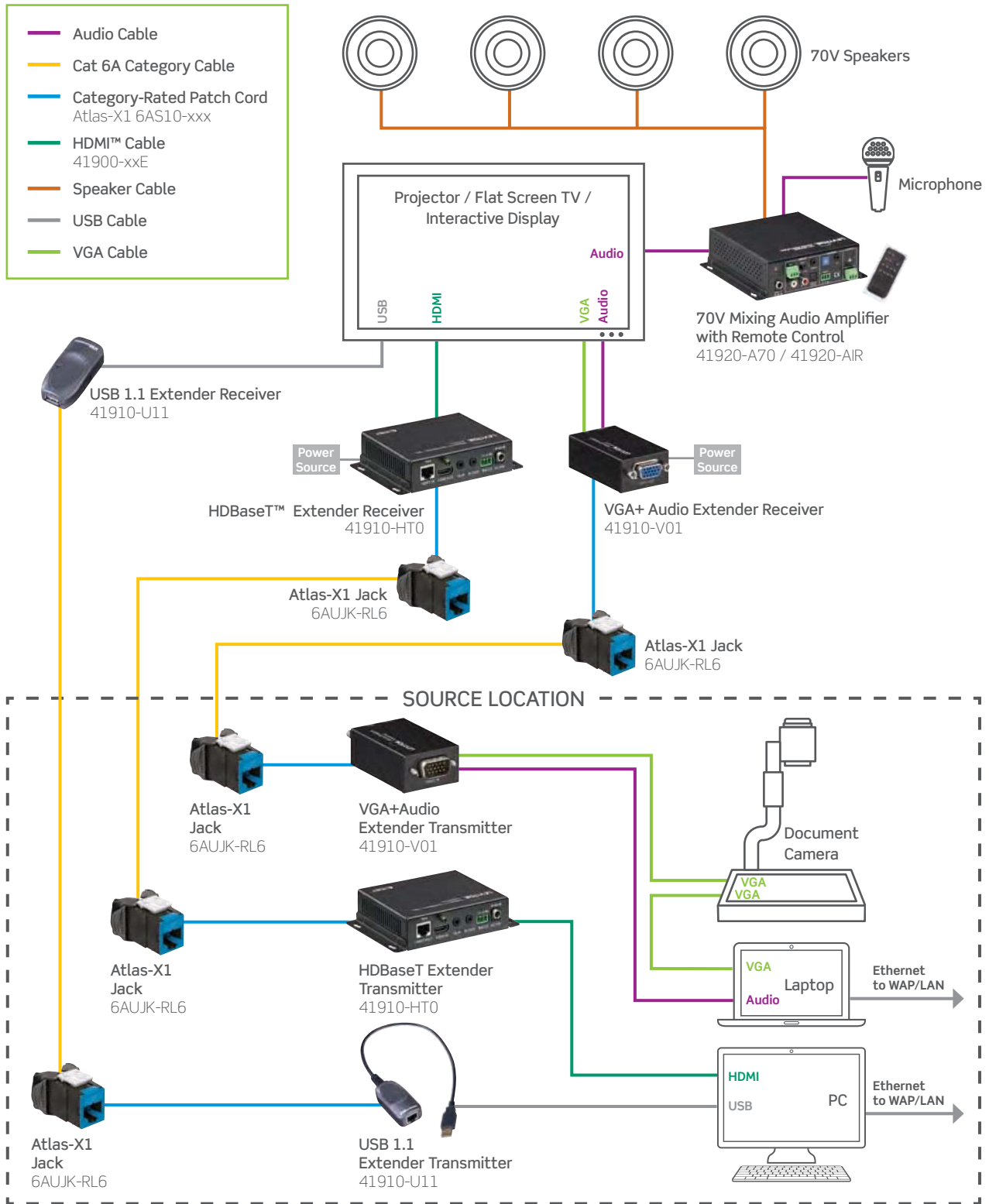


## CLASSROOM APPLICATION

Today's classrooms have evolved from using chalkboards and overhead projectors to connected tools like interactive whiteboards and document cameras. Leviton solutions allow contractors to easily extend HDMI™, VGA, and USB signals from teachers' desks to the latest devices anywhere in the room, all networked over easy-to-install, category-rated cable. Classrooms can also integrate IT/AV controls for an interface that's easy to use (see "Conference Room" diagram on C10). These solutions help ensure a quality learning environment throughout all types of learning areas, including lecture halls, libraries, and computer labs, and they prepare schools for more advanced technologies to come.



## CLASSROOM/CONFERENCE ROOM APPLICATIONS WITH SIGNAL EXTENSION & 70V AUDIO

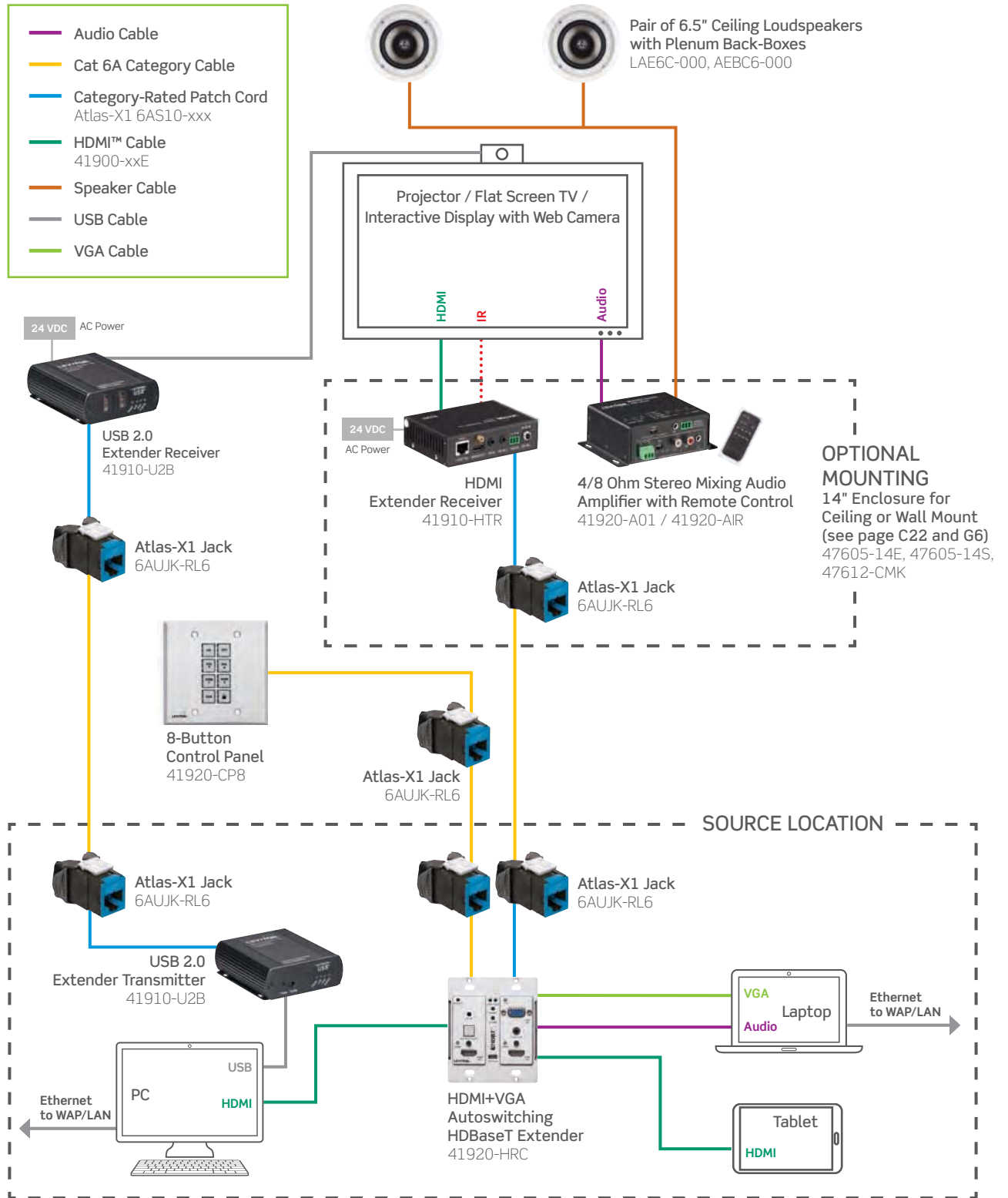




## CONFERENCE ROOM APPLICATION

The best AV installations for conference rooms can adapt to handle future multimedia devices while maintaining a low profile in the room. With help from Leviton AV Signal Extenders, IT/AV Controls, audio amplification, and in-ceiling connectivity for wireless access points — all connected over versatile category-rated cable — you create extra flexibility and a clean look in business, school, or hotel conference rooms. See the following page for typical conference room AV applications with Leviton solutions.

## CLASSROOM/CONFERENCE ROOM APPLICATIONS WITH CONTROL SYSTEM & STEREO AUDIO





Decora™ Wallplate Sold Separately

A



B



Receiver

C

## AUTOSWITCHING & 8-BUTTON CONTROL PANEL WALLPLATES

The Leviton Autoswitching HDBaseT Extender Wallplate connects, switches, and extends HDMI and VGA signals to displays or projectors in conference rooms, classrooms, and control centers. Complete the system with an optional 8-button control panel for simple push-button controls.

- Extends signals up to 70 meters (230 feet) over a single category cable
- Uses certified HDBaseT technology for a complete professional plug-and-play installation.
- PoH (Power over HDBaseT) powered from the receiver at the display end
- Autoswitching Extender accepts any Decora™ dual-gang wallplate (sold separately, see page D11)
- Optional 8-button Control Panel has pre-configured buttons for display or projector on/off, volume up/down, and source selection
- 8-button panel powered by, and communicates with, the Autoswitching Wallplate via category cable

AUTOSWITCHING HDBASET EXTENDER WALLPLATE & 8-BUTTON CONTROL PANEL	
DESCRIPTION	PART NO.
[A] Autoswitching HDBaseT Extender Wallplate	41920-HRC
[B] 8-Button Control Panel	41920-CP8

## HDBASET™ EXTENDER RECEIVER

The Class B extender receives transmission for HDMI, Ethernet, bi-directional IR, and RS232 from up to 70 meters.

- Support key features of HDMI 1.4, including 3D and 4K x 2K, CEC pass through and HDCP compatible
- Locking power supply and HDMI cable connectors
- Power supply, RS-232 cables, and mounting brackets included
- Compact metal housing for mounting with flat-screen displays
- Plenum rated

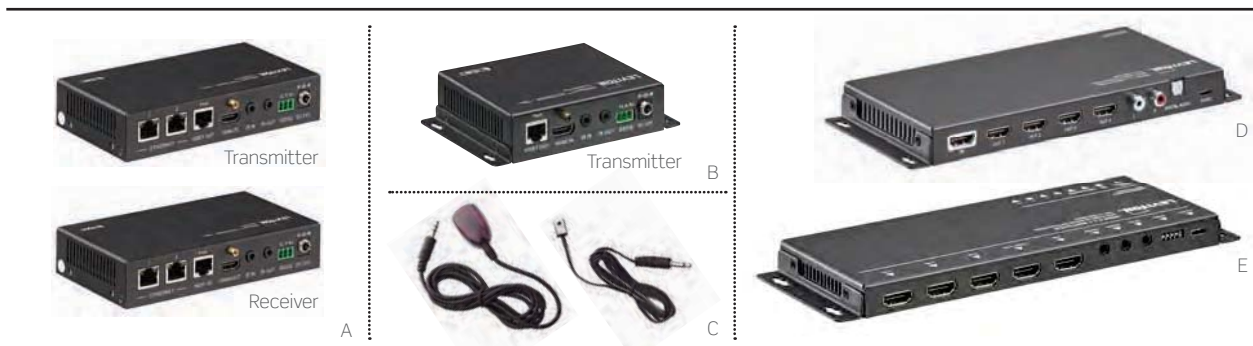
HDBASET EXTENDER RECEIVER	
DESCRIPTION	PART NO.
[C] HDBaseT Extender, receiver only, 70 m	41910-HTR

### SPOTLIGHT

### AV Cable Recommendations for HDBaseT



Using HDBaseT™ technology you can transmit HDMI™ signals over category-rated cable, delivering the high resolution needed over distances up to 100 meters. In the white paper “AV Cable Recommendations for HDBaseT,” you’ll learn why Cat 6A UTP cable with Alien Crosstalk Prevention Technology is ideal for supporting IT/AV applications over longer distances. Plus, you’ll also gain a better understanding of HDBaseT standards and applications, as well as be able to review comprehensive test results for different category-rated cables used in HDBaseT certified links. To read the white paper, visit [Leviton.com/ns/whitepapers](http://Leviton.com/ns/whitepapers).



### HDBASET™ EXTENDER TRANSMITTERS & RECEIVERS

HDBaseT twisted-pair extenders with Power over HDBaseT (PoH) deliver HDMI™, Ethernet, IR, and RS232 signals for classrooms, conference rooms, command centers, restaurants, and more. The paired transmitter and receiver require only one power adapter that can be connected at either end.

- Class A Extenders (41910-HTE) deliver 328 ft (100 m) transmission for HDMI, Ethernet, bi-directional IR, RS232
- Class B Extenders (41910-HT0) deliver 230 ft (70 m) transmission for HDMI, bi-directional IR, RS232
- Support key features of HDMI 1.4, including 3D and 4K x 2K, CEC pass through and HDCP compatible
- Locking power supply and HDMI cable connectors
- Power supply, RS-232 cables, and mounting brackets included
- Compact metal housing for mounting with flat-screen displays
- Plenum rated

HDBASET EXTENDER TRANSMITTERS & RECEIVERS	
DESCRIPTION	PART NO.
<b>[A]</b> HDBaseT Extender, transmitter and receiver, 100 m	41910-HTE
<b>[B]</b> HDBaseT Extender, transmitter and receiver, 70 m	41910-HT0

### IR EMITTER AND RECEIVER KITS

Kits work with Leviton HDBaseT Transmitters and Receivers.

- IR Emitter and IR Target Kit delivers 5V signal transmission; connects over 5-foot cords
- IR Y-Cable and Emitter Kit splits IR output from the receiver to two emitters

### HDMI™ 1X4 SPLITTER & 4X1 SWITCHER

1x4 Splitter splits a single HDMI input into four independent HDMI outputs for easy and fast distribution of video content to multiple displays or projectors. The 4x1 Switcher automatically or manually switches between four HDMI input sources for easy selection of video content.

- Ultra-high-definition 4K x 2K at 60Hz 4:4:4 HDR 18 Gbps
- Compatible with key features of HDMI 2.0 including CEC, EDID and HDCP 2.2
- Splitter supports HDMI signal audio extraction for connection to an external sound system
- Switcher supports ARC audio return channel and audio extraction from the HDMI signal for connection to an external sound system
- Compact and convenient 5VDC USB Type C power input with included power adapter and 1.5 meter (5') USB Type A to Type C cable
- Compact design for easy installation in restricted spaces

HDMI 1X4 SPLITTER	
DESCRIPTION	PART NO.
<b>[D]</b> HDMI 1x4 Splitter — 4K/60, EDID, ARC, Audio Extraction, HDCP 2.2	41920-SP4

HDMI 4X1 SWITCHER	
DESCRIPTION	PART NO.
<b>[E]</b> HDMI 4x1 Switcher — 4K/60, EDID, ARC, Audio Extraction, HDCP 2.2, IR, RS-232	41920-SW4

IR EMITTER KITS	
DESCRIPTION	PART NO.
<b>[C]</b> HDBaseT Extender IR Emitter and Receiver Kit*	41910-HIR
IR Y-Cable and Emitter Kit*	41910-YIR

\* = Not compatible with the audio amplifier infrared remote control kit.





## HDMI™ EXTENDER TRANSMITTER & RECEIVER

The HDMI Extender Transmitter and Receiver extends your HD display up to 130 feet (40 meters) away from your HDMI source using two category cables. They are capable of supporting DVI-D (Single-Link) equipment when used with a HDMI-to-DVI adapter, providing greater flexibility and installation options.

- 8-segment equalization adjustment switch
- Extend 1080p by 40 meters; extend 1080i (HDTV) by 60 meters
- Superior video quality — 1920 x 1200, up to 1080p
- Supports Dolby True HD™ and DTS HD Master Audio™
- DDC and HDCP 1.1 compatible
- For commercial use only
- Locking HDMI connector
- Compact metal housings
- Transmitter and receiver power supplies and mounting brackets included
- Plenum rated

HDMI EXTENDER TRANSMITTER & RECEIVER	
DESCRIPTION	PART NO.
[A] HDMI Extender, transmitter and receiver, 40 m	41910-H00

## VGA EXTENDER TRANSMITTER & RECEIVER

- Extends distance between AV source and display up to 328 feet (100 meters) over one category cable
- Screen resolutions include:
  - 1920 x 1200 @ 60 Hz (30 meters)
  - 1600 x 1200 @ 60 Hz (100 meters)
  - 1280 x 1024 @ 60 Hz (150 meters)
- Adjustable Gain Control lets you manually adjust signal strength to compensate for distance
- Audio enabled (mono)
- No external power supply needed for transmitter
- Receiver powered either by included USB power cable or DC adapter
- Convenient docking on the display device
- Plenum rated

VGA EXTENDER TRANSMITTER & RECEIVER	
DESCRIPTION	PART NO.
[B] VGA Extender Transmitter and Receiver, 100 m	41910-V01

## USB EXTENDERS

- Plug-and-play extenders reach up to 328 feet (USB 2.0) and 164 feet (USB 1.1) over a single category cable
- USB 2.0 Extender includes transmitter, 2-port receiver, power supply, 6-foot (2 m) cable, mounting brackets
- USB 1.1 Extender includes transmitter with attached 1-foot (0.3 m) cable and receiver
- 2.0 Extender supports USB 480 Mb/s and also connects to USB 3.x devices; 1.1 Extender supports USB 12 Mb/s

USB EXTENDERS	
DESCRIPTION	PART NO.
[C] USB 2.0 Extender, 100 m	41910-U2B
[D] USB 1.1 Extender, 50 m	41910-U11



**HDMI AUDIO EXTRACTOR**

Locate the extractor anywhere in the HDMI™ signal path to yield stereo balanced, analog and digital audio outputs.

- Ultra-high-definition 4K x 2K at 60Hz 4:4:4 HDR 18 Gbps
- Supports key HDMI 2.0 features: CEC, EDID and HDCP 2.2
- Three audio modes: Passthrough, Bitstream, and PCM
- Digital audio output supports PCM, DOLBY DIGITAL, DTS, DTS-HD
- Locking power input connector
- Compact design for easy installation in restricted spaces

**HDMI AUDIO EXTRACTOR**

DESCRIPTION	PART NO.
<b>[A]</b> HDMI Audio Extractor — 4K/60, HDCP 2.2	41920-HAE

**INFRARED REMOTE CONTROL KIT**

- Controls Mixing Audio Amplifiers
- Includes a remote control and IR target
- A kit is also available that includes only the IR target

**AMPLIFIER INFRARED REMOTE CONTROL KITS**

DESCRIPTION	PART NO.
<b>[D]</b> Amplifier Infrared Remote Control Kit, Remote and Target*	41920-AIR
Amplifier IR Target Only*	41920-IRT

\* = Not compatible with the HDBaseT IR Emitter and Receiver Kits.

**70 VOLT MIXING AUDIO AMPLIFIER**

- 40-watt mono output, 70V or 100V constant voltage
- Three inputs: two stereo audio and one balanced mic, which support EQ control and mic mixing
- Mic input supports 48V phantom power
- Volume, bass, treble, and mute control
- LED indicators for power and control function feedback
- Plenum rated

**4/8 OHM MIXING AUDIO AMPLIFIER**

- 2 X 20W stereo, 1 X 40W bridge mono, and 2 X 20W dual mono
- Three inputs: Two stereo audio and one balanced mic
- Mic input supports 48V phantom power
- Volume, bass, treble, and mute controls
- Plenum rated

**MIXING AUDIO AMPLIFIERS**

DESCRIPTION	PART NO.
<b>[B]</b> 70 Volt Mixing Audio Amplifier	41920-A70
<b>[C]</b> 4/8 Ohm Stereo Mixing Audio Amplifier	41920-A01



A

B

## HDMI CABLES

Leviton high-speed HDMI Cables with Ethernet and Audio Return Channel are ideal for supporting in-wall and permanent installations for education, health care, enterprise, government, and residential applications.

- cULus listed
- CL2 rated for in-wall installation
- Compact connector body and flexible cable accommodate common box depths while maintaining minimum bend radius
- Commercial-grade, 28-gauge construction
- Gold-plated connectors for long-lasting performance
- HDMI Cable Lock Kit secures cable to Leviton Signal Extension devices for permanent installations
- Includes two universal adapters, two tie wraps, M3X05, and 4-40 UNC screws

## HDMI CABLES

DESCRIPTION	PART NO.
HDMI Cable, 3 ft	41900-03E
<b>[A]</b> HDMI Cable, 6 ft	41900-06E
HDMI Cable, 10 ft	41900-10E
HDMI Cable, 15 ft	41900-15E

## HDMI CABLE LOCK KIT

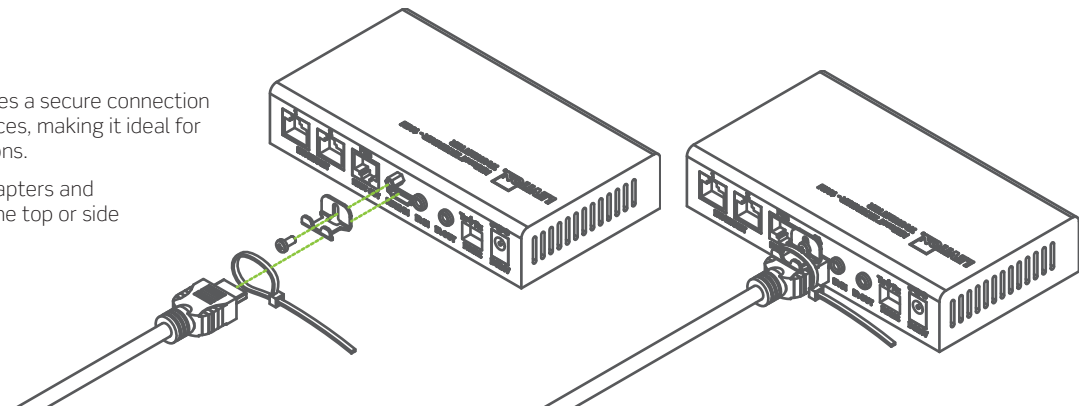
<b>[B]</b> HDMI Cable Lock Kit	41900-LKT
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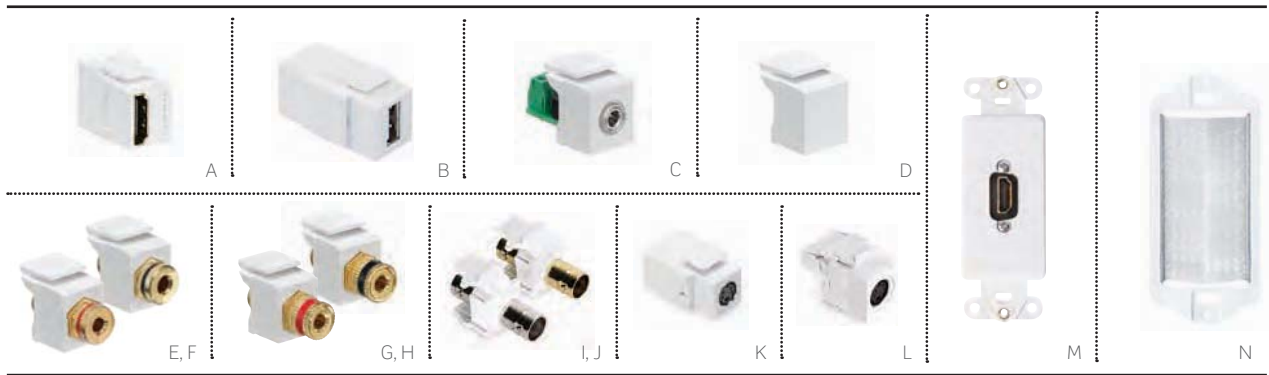
## SPOTLIGHT

### HDMI Cable Lock Kit

The Leviton HDMI Cable Lock Kit provides a secure connection to all Leviton HDMI Signal Extension devices, making it ideal for in-wall and permanent-system installations.

The kit includes two sets of universal adapters and screws to secure the cable from either the top or side of the connector body.





## AV COUPLERS, JACKS & INSERTS

- HDMI™ coupler works with HDMI Type A connectors
- Binding Post and Banana Jack couplers are excellent for advanced audio
- QuickPort Blanks secure unused ports in wallplates and housings for future expansion
- 3.5 mm Stereo Jack facilitates classroom, workstation, and computer audio applications
- Use BNC couplers for commercial CCTV or commercial video signals
- S-video for enhanced video streams available in coupler and 110 termination
- Decora™ wallplate inserts with HDMI couplers provide high-definition video with in-wall wiring
- Decora brush passthrough offers a clean, professional appearance when cables need to pass through a wall opening

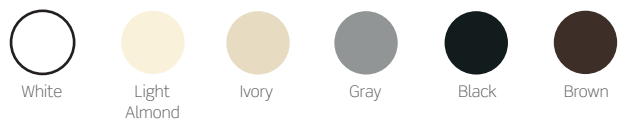
### QUICKPORT™ AV COUPLERS & JACKS

DESCRIPTION	WHITE	LT. ALMOND	IVORY	GRAY	BLACK	BROWN
<b>[A]</b> HDMI Couplers	40834-00W	40834-00T	40834-00I	—	40834-00E	—
<b>[B]</b> USB A/A Coupler	40835-00W	—	40835-00I	40835-00G	—	—
<b>[C]</b> 3.5 mm Stereo Jack, screw terminal	40839-SWS	—	40839-SIS	—	—	—
<b>[D]</b> Blank Insert (pack of 10)	41084-0BW	41084-0BT	41084-0BI	41084-0BG	41084-0BE	41084-0BB
<b>[E]</b> Banana Jack Coupler, red stripe	40837-BWR	40837-BTR	40837-BIR	—	—	—
<b>[F]</b> Banana Jack Coupler, black stripe	40837-BWE	40837-BTE	40837-BIE	—	—	—
<b>[G]</b> Binding Post Coupler, red stripe	40833-BWR	40833-BTR	40833-BIR	—	40833-BER	40833-BBR
<b>[H]</b> Binding Post Coupler, black stripe	40833-BWE	40833-BTE	40833-BIE	—	40833-BEE	40833-BBE
<b>[I]</b> BNC Coupler, nickel plated	41084-BWF	41084-BTF	41084-BIF	41084-BGF	41084-BEF	41084-BBF
<b>[J]</b> BNC Coupler, gold plated	40832-0BW	40832-0BT	40832-0BI	—	—	—
<b>[K]</b> S-Video Coupler	40734-CVW	—	40734-CVI	—	—	—
<b>[L]</b> S-Video Jack, 110 termination	40734-SVW	40734-SVT	40734-SVI	40734-SVG	40734-SVE	—

### DECORA AV INSERTS

<b>[M]</b> HDMI Coupler	41647-00W	—	41647-00I	—	—	—
<b>[N]</b> Brush Insert, passthrough	41075-DBW*	—	—	—	41075-DBE*	—

\* = Brush color is white for 41075-DBW and black for 41075-DBE; only brush is visible when installed.





A



B



C



D

RCA & F-CONNECTORS IN FEEDTHROUGH & 110-STYLE

Leviton carries a comprehensive selection of RCA and F-connectors in both couplers and 110 termination. Body colors match Leviton housings; barrel colors are industry standard.

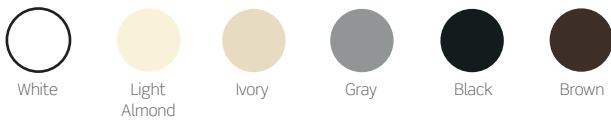
- RCA Jacks use standard identification colors for component and composite video
- Coax F-Connectors are SCTE-compliant and support signals up to 3 GHz

QUICKPORT RCA F-CONNECTOR COUPLERS (FOR RCA & COAX CABLE)

DESCRIPTION	WHITE	LT. ALMOND	IVORY	GRAY	BLACK	BROWN
<b>[A]</b> RCA Coupler, gold plated with black stripe	40830-BWE	40830-BTE	40830-BIE	40830-BGE	40830-BEE	40830-BBE
RCA Coupler, gold plated with red stripe,	40830-BWR	40830-BTR	40830-BIR	40830-BGR	40830-BER	40830-BBR
RCA Coupler, gold plated with yellow stripe	40830-BWY	40830-BTY	40830-BIY	—	—	—
RCA Coupler, gold plated with green stripe	40830-BWV	—	40830-BIV	—	—	—
RCA Coupler, gold plated with blue stripe,	40830-BWL	—	40830-BIL	—	—	—
<b>[B]</b> F-Connector Coupler, nickel plated	41084-FWF	41084-FTF	41084-FIF	41084-FGF	41084-FEF	41084-FBF
<b>[C]</b> F-Connector Coupler, gold plated	40831-FWG	40831-FTG	40831-FIG	—	—	—

QUICKPORT 110-STYLE RCA JACKS (FOR CAT 6 OR CAT 5E CABLE)

<b>[D]</b> RCA Jack, gold plated with red barrel, 110 termination	40735-RRW	40735-RRT	40735-RRI	40735-RRG	40735-RRE	—
RCA Jack, gold plated with white barrel, 110 termination	40735-RWW	40735-RWT	40735-RWI	40735-RWG	40735-RWE	—
RCA Jack, gold plated with yellow barrel, 110 termination	40735-RYW	40735-RYT	40735-RYI	40735-RYG	40735-RYE	—
RCA Jack, gold plated with green barrel, 110 termination	40735-RVW	—	40735-RVI	—	—	—
RCA Jack, gold plated with blue barrel, 110 termination	40735-RLW	—	40735-RLI	—	—	—
RCA Jack, gold plated with orange barrel, 110 termination	40735-ROW	40735-ROT	40735-ROI	40735-ROG	40735-ROE	—



White

Light Almond

Ivory

Gray

Black

Brown





A, B



C-D

**COMPRESSION & CRIMP-ON F-CONNECTORS**

- Leviton compression and crimp-on connectors are ideal for more specialized AV applications
- Compression connectors offer an airtight seal and secure fitting for increased cable retention
- Crimp-on connectors are an economical solution for less demanding applications

**COMPRESSION & CRIMP-ON RCA & F CONNECTORS**

DESCRIPTION	RG-6 CABLE	RG-6 QUAD SHIELD
RCA Compression Connector	—	<b>[A]</b> 40985-CRU
Compression F-Connector (colored rings included)	—	<b>[B]</b> 40985-CPF
F-Connectors, one-piece crimp-on (bag of 100)	<b>[C]</b> 40985-1P6	<b>[D]</b> 40985-0Q6

See page G20 for master compression tool.

AV SOLUTIONS  
Compression & Crimp-On Connectors

**SPOTLIGHT**

**In-Ceiling System for Wireless Access Points**



An In-Ceiling System provides a fixed location for terminating a data jack, creating a more reliable and consistent connection than a direct connect plug. This fixed connection also reduces the possibility of damage during construction.

The system of plenum-rated cable, jacks, patch cords, surface-mount boxes, and brackets provides a testable permanent link in drop ceilings to WAPs, while allowing the flexibility to move the In-Ceiling Bracket to refine Wi-Fi™ coverage or WAN placement without needing to retest the link.



Plenum-Rated

QuickPort™ In-Ceiling WAP Kit

See pages D3-D4 for product information.



A



B



C

## SPEC-GRADE SOUND SPEAKERS

- AeroNylon tweeter diaphragm provides crystal-clear treble response and exceptionally accurate tracking of even the most challenging musical transients
- Built-in AutoSurge™ circuit protection helps prevent speaker damage
- Advanced phase/time alignment guide properly aligns sound without misaligning the tweeters
- Precision dividing network ensures total audio signal electronic integrity up to the last microsecond before the signal is converted into sound
- Inert mounting frame with “dogleg” installation points eliminates any transmitted vibrations that could alter in-wall or in-ceiling sound quality
- Acoustically transparent, paintable grills

## PRE-CONSTRUCTION KITS

- Fire-Rated Back Box meets fire code for MDU and similar commercial installations



## SPEC-GRADE SOUND IN-WALL/IN-CEILING INDOOR SPEAKERS

DESCRIPTION	PART NO.
<b>[A]</b> Pair of 6.5" Spec-Grade Two-Way In-Ceiling Loudspeakers, 120 W peak/ 60 W RMS, 8 Ohms	SGC65-00W
<b>[B]</b> Pair of 6.5" Spec-Grade Two-Way In-Wall Loudspeakers, 120 W peak/ 60 W RMS, 8 Ohms	SGI65-00W

## PRE-CONSTRUCTION KITS

<b>[C]</b> Fire-Rated Back Box (required for 6.5" in-ceiling speakers SGC65)	AEBC6-000
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## DECORA™ STRAUSS™ TRANSFORMER-FREE VOLUME CONTROLS

- Contemporary slider design brings precision and elegance to any installed audio system
- Available in standard and impedance-matched versions
- Volume control uses standard Decora wallplate in a standard J-Box or low-voltage mounting ring
- Color-change kits ensure the right finishing touch for every application

## 1X6 AUDIO DISTRIBUTION MODULE

- Combines with impedance-matching volume controls to control up to six speaker pairs from an amplifier or receiver
- Designed to mount in Leviton Structured Media Centers and connect to six rooms/zones

## SYSTEM MATCHING MODULE

- Combine with non-impedance-matching volume controls to control up to six speaker pairs (cannot be used with impedance-matching volume controls)
- AutoSurge™ circuit technology protects speakers from potentially damaging transients
- Designed to mount in Leviton Structured Media™ Centers

### AUDIO SYSTEM VOLUME CONTROLS

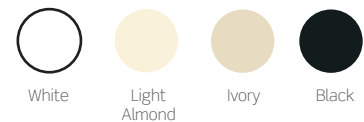
DESCRIPTION	PART NO.
<b>[A]</b> Decora Strauss Transformer-Free Slider Volume Control, white, analog, 200 watts peak, 100 watts RMS, 4-16 Ohms, 8 Ohm nominal (for use with SGAMP-000) (Decora wallplate sold separately, see page D11)	SGVST-00W
<b>[B]</b> Decora Strauss Transformer-Free Impedance-Matching Slider Volume Control, white, analog, 200 watts peak, 100 watts RMS, 4-16 Ohms, 8 Ohm nominal (for use with 48211-06A)	SGVSM-00W
Decora Strauss Color-Change Kit, converts to light almond	SGVCK-0LA
Decora Strauss Color-Change Kit, converts to ivory	SGVCK-00I
Decora Strauss Color-Change Kit, converts to black	SGVCK-00E

### SYSTEM MATCHING MODULE

<b>[C]</b> System Matching Module for Impedance-Matching Passive Two-Channel Multi-Room Audio Systems (for use with SGVST-00W)	SGAMP-000
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### 1X6 AUDIO DISTRIBUTION MODULE

<b>[D]</b> 1x6 Passive Audio Module (for use with SGVSM-00W)	48211-06A
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## SPOTLIGHT | Impedance Matching Difference

When installing an audio system, it is important to have an impedance-matching component paired with a standard component. Failure to do so may have a negative effect on the audio system.

Do not use an impedance-matching volume control with an impedance-matching module, and do not use a standard volume control with a passive audio module. Doing so, in either instance, could damage the amplifier.





Mobile Device Station and USB Charger/Tamper-Resistant Receptacle

Decora Mobile Device Station H

Renu Mobile Device Station I

## HOME THEATER, MULTI-ROOM & SPEAKER WALLPLATES

- Designed for easy installation of cables using low-voltage rings and standard low-voltage junction boxes
- Home Theater Interface wallplate (AEHTK) accommodates 5.1 to 7.1 channel surround-sound systems, and features RCA jacks for subwoofer connection and two extra QuickPort™ openings
- Multi-Room Audio wallplate (AEMRK) accommodates left and right audio speakers (± connections), and two extra QuickPort openings (e.g., adding a subwoofer or 3.5 mm stereo phone jack)
- Speaker wallplate allows for simple, solderless connections to any home entertainment speaker system

## RECESSED ENTERTAINMENT BOX (REB)

- Affordable solution manages home theater electronics in a single location
- Ideal for new construction (stud-mounted) and retrofit (wall-mounted) applications
- Low-profile frame provides neat, recessed installation
- Optional high-profile cover includes sliding plastic front panels, and channels all wires through the bottom of the unit

## RECESSED RECEPTACLES

### Recessed Single-Gang Receptacle

- Fits most standard electrical boxes
- Supplies AC power for one or two components (flat panel TVs and video receiver)
- cULus approved, code-compliant solution

### Recessed Dual-Gang Duplex Receptacle with Six QuickPort Openings

- Centralizes connection points for AC power, audio, video, data, and phone
- Includes plastic electrical box for use in new and retrofit construction
- UL approved, code-compliant solution

## MOBILE DEVICE STATION

- Turns a receptacle outlet into a convenient storage location for smartphones and MP3 players
- Installs without creating any new holes in the wall
- Available in both Decora™ and Renu™ styles
- Integrated cable management keeps charging cables organized and protected
- Requires a Leviton wallplate, sold separately
- Ideal with Leviton USB charger/tamper-resistant receptacle

## USB CHARGER/TAMPER-RESISTANT RECEPTACLE

- USB ports with a combined power of 3.6 amps, ideal for charging tablets and other high-draw devices
- Compact design fits in a standard wallbox, is compatible with standard wallplates, and can be multi-ganged with other standard Leviton devices
- Back and side wired for easy installation
- Smart chip designed for recognizing and optimizing the charging requirements of your device
- Tamper-Resistant NEC™ Compliant shutter mechanism blocks access to contacts from most foreign objects

## HOME THEATER AND MULTI-ROOM WALLPLATES

DESCRIPTION	PART NO.
<b>[A]</b> Home Theater Interface Wallplate, 14 gold-plated spring clips, two RCA connectors, two QuickPort™ openings	AEHTK-000
<b>[B]</b> Multi-Room Install Wallplate, two gold-plated spring clips, two QuickPort openings	AEMRK-000
<b>[C]</b> Single-Gang Single Spring-Clip Device Audio/Video Wallplate, standard size, polymer break resistant, box mount	40951-1PW
<b>[D]</b> Single-Gang Double Spring-Clip Device Audio/Video Wallplate, standard size, polymer break resistant, box mount	40952-2PW

## RECESSED DEVICES & ENTERTAINMENT BOX

Single-Gang Recessed Single Receptacle 15A-125VAC, 2-pole, 3-wire — NEMA 5-15R, includes clock hanger hook	00688-00*
Single-Gang Recessed Single Receptacle, Non-Magnetic Stainless Steel 15A-125VAC, 2-pole, 3-wire — NEMA 5-15R, includes clock hanger hook	05261-0CH
<b>[E]</b> Single-Gang Recessed Duplex Receptacle 15A-125VAC, 2-pole, 3-wire — NEMA 5-15R	00689-00†
Single-Gang Recessed Single Receptacle, Non-Magnetic Stainless Steel 20A-125VAC, 2-pole, 3-wire — NEMA 5-20R, includes clock hanger hook	05361-0CH
<b>[F]</b> Dual-Gang Recessed Duplex Receptacle and Openings for Six QuickPort Modules 15A-125VAC, 2-pole, 3-wire — NEMA 5-15R (four blank inserts included)	00690-00*
Recessed Entertainment Box with Low-Profile Frame	47617-REB
<b>[G]</b> Recessed Entertainment Box with High-Profile Cover	47617-RBH
High-Profile Cover	47617-HPC
Low-Profile Frame	47617-LPF
Replacement Snap-In Plates, 2 per bag	47617-PLT

## MOBILE DEVICE STATION & USB CHARGER / RECEPTACLE

<b>[H]</b> Decora™ Mobile Device Station, white	47112-00W
Decora Mobile Device Station, light almond	47112-00T
Decora Mobile Device Station, black	47112-00E
<b>[I]</b> Renu™ Mobile Device Station, white on white	47112-RWW
Renu Mobile Device Station, light almond	47112-00T
Renu Mobile Device Station, navajo sand	47112-RNS
<b>[J]</b> USB Charger / 15A Tamper-Resistant Receptacle	T5632-00W

\* = Color: White (W), Ivory (I)

† = Color: White (W), Lt. Almond (T), Ivory (I), Black (E)

Renu Mobile Device Station Colors:



White (W)



Light Almond (T)



Ivory (I)



Black (E)



White on White



Light Almond (T)



Navajo Sand

## SPOTLIGHT

### Recessed Box



Leviton 14" Structured Media™ Center makes running cable and managing multimedia displays simple and more cost-effective. Designed to provide a central distribution consolidation point, the enclosure can be installed and concealed behind a display or near a projector screen.

This professional-grade enclosure is spacious for simple audiovisual device installation and management, and allows for future growth. Ideal for supporting conference room, classroom, and enterprise technologies, the enclosure accommodates the distribution of voice, data, video, audio, and IT/AV applications.

See page G6.





# HOUSINGS & WALLPLATES

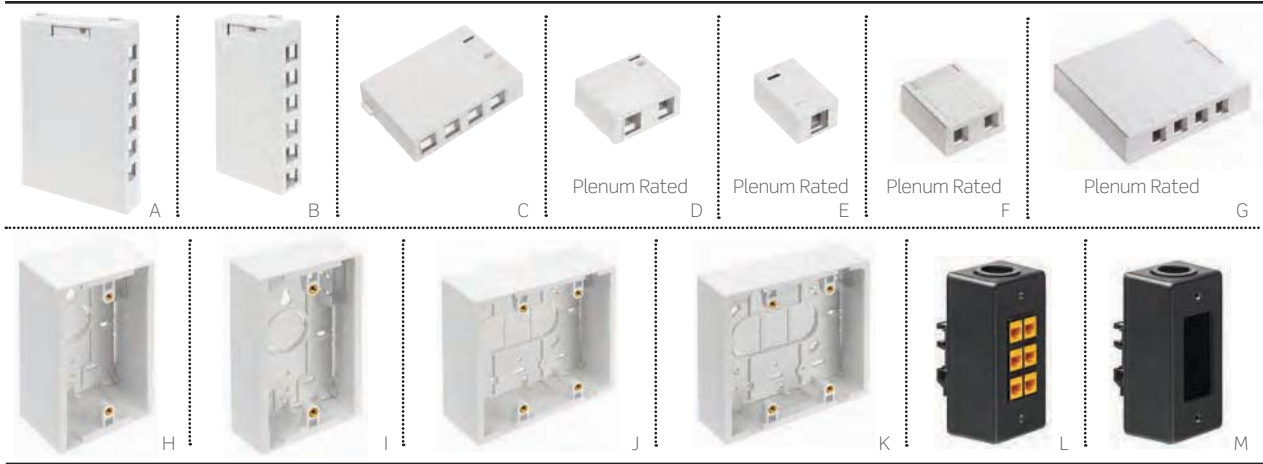


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## SECTION D CONTENTS

HOUSINGS & WALLPLATES	<b>D3</b>	QuickPort™ Surface-Mount & DIN Rail-Mount Boxes	
	<b>D4</b>	QuickPort In-Ceiling & In-Wall Brackets	
	<b>D6</b>	QuickPort & QuickPlate™ Wallplates	
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	COMPATIBILITY CHART	<b>D23</b>	Jack, Wallplate & Housing Compatibility Chart

# HOUSINGS & WALLPLATES | QuickPort™ Surface-Mount & DIN Rail-Mount Boxes



## QUICKPORT BOXES, MODULES & ACCESSORIES

- Surface-mount boxes and back boxes have breakouts to match common raceway systems and cable entry
- One and two-port 41089 surface-mount boxes are plenum rated [compliant with NEC 300-22 (b)(c)]
- Mounts with screws or adhesive mounting tape (both provided), or with magnets or modular furniture brackets (sold separately, page D13)
- 4S089 products are plenum rated, designed for use in air handling spaces and work with Leviton shielded or UTP Cat 6A jacks to allow proper bend-radius control

## QUICKPORT DIN RAIL-MOUNT BOXES

- Provide an ideal network patching location for industrial automation and control panels
- Compatible with standard and low-profile 35 mm symmetrical DIN rails and 32 mm asymmetrical DIN rails
- Accept one QuickPort Decora™ Insert with one, two, three, four, or six ports
- Box depth suitable for Cat 5e or Cat 6 applications

### QUICKPORT SURFACE-MOUNT BOXES

DESCRIPTION	WHITE	IVORY	LIGHT ALMOND	GREY	BLACK
<b>[A]</b> 12-Port Surface-Mount Box, 7.60" W x 5.02" D x 1.13" H	41089-12W	41089-12I	—	41089-12G	41089-12E
<b>[B]</b> 6-Port Surface-Mount Box, 6.38" W x 3.22" D x 1.08" H	41089-6WP	41089-6IP	—	41089-6GP	41089-6EP
<b>[C]</b> 4-Port Surface-Mount Box, 4.77" W x 3.21" D x 1.05" H	41089-4WP	41089-4IP	—	41089-4GP	41089-4EP
<b>[D]</b> 2-Port Surface-Mount Box, 2.52" W x 2.22" D x 1.10" H	41089-2WP	41089-2IP	41089-2TP	41089-2GP	41089-2EP
<b>[E]</b> 1-Port Surface-Mount Box, 1.42" W x 2.22" D x 1.10" H	41089-1WP	41089-1IP	—	41089-1GP	41089-1EP
<b>[F]</b> 2-Port Surface-Mount Box for Shielded Connectors*, 2.5" W x 3.00" D x 1.22" H	4S089-2WP	4S089-2IP	—	—	—
<b>[G]</b> 4-Port Surface-Mount Box for Shielded Connectors*, 5.6" W x 5.20" D x 1.22" H	4S089-4WP	4S089-4IP	—	—	—

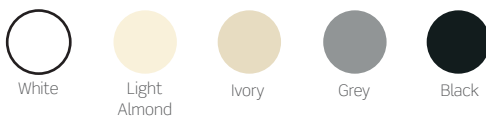
### SINGLE- AND DUAL-GANG SURFACE-MOUNT BACK BOXES

<b>[H]</b> Single-Gang Standard Back Box, 4.72" H x 2.96" W x 1.89" D	42777-1WA	42777-1IA	—	42777-1GA	42777-1EA
<b>[I]</b> Single-Gang Shallow Back Box, 4.72" H x 2.96" W x 1.45" D	42777-1WB	42777-1IB	—	42777-1GB	42777-1EB
<b>[J]</b> Dual-Gang Standard Back Box, 4.72" H x 4.77" W x 1.89" D	42777-2WA	42777-2IA	—	42777-2GA	42777-2EA
<b>[K]</b> Dual-Gang Shallow Back Box, 4.72" H x 4.77" W x 1.45" D	42777-2WB	42777-2IB	—	42777-2GB	42777-2EB

### QUICKPORT DIN RAIL-MOUNT BOXES

<b>[L]</b> DIN Rail-Mount Box, with 6-port QuickPort Decora Insert^	—	—	—	—	41089-6DN
<b>[M]</b> DIN Rail-Mount Box, Empty	—	—	—	—	41089-ODN

\* = For shielded connectors and large bend-radius cables.  
 ^ = QuickPort Connectors not included. See pages A8-A9.

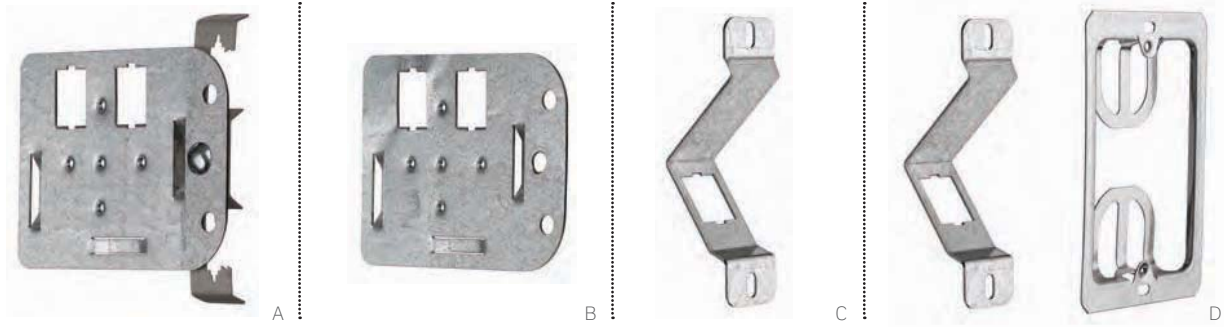


**Compatibility References:**  
 See pages D23-D24 for jack & housing compatibility.

QUICKPORT SURFACE-MOUNT BOXES

HOUSINGS & WALLPLATES

# HOUSINGS & WALLPLATES | QuickPort™ In-Ceiling & In-Wall Brackets



## IN-CEILING BRACKET

- Creates a testable permanent link for cabling that terminates above a drop ceiling without a wallplate
- Brackets available individually or with pre-installed multi-function clip that attaches to standard drop wire or rod
- VELCRO® Brand tie-down points accommodate cabling slack loops (sold separately, see pages E8-E9)
- Plenum-rated QuickPort one-, two-, and four-port surface-mount boxes (sold separately) attach to brackets and are ideal for use in drop ceiling areas

## IN-WALL BRACKET

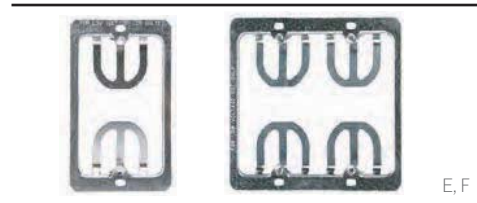
- Helps create a testable permanent link for cabling that terminates in the wall without using a traditional wallplate
- Provides a stable mounting surface for jacks that is recessed behind the wall surface
- Ideal for Ethernet-enabled devices — such as WAPs, cameras, or clocks — that mount to electrical or low-voltage boxes or directly to the wall
- Available as a set of five brackets, or individually kitted with a single-gang wallplate mounting bracket

## QUICKPORT IN-WALL & IN-CEILING BRACKETS

DESCRIPTION	PART NO.
<b>[A]</b> QuickPort In-Ceiling Bracket, includes clip for drop wire/rod mounting	49223-CBC
<b>[B]</b> QuickPort In-Ceiling Bracket, no clip	49223-CB0
QuickPort WAP Kit, includes In-Ceiling Bracket (49223-CBC), 2 Cat 6A jacks (6AUJK-RW6), Surface-Mount Box (4S089-2WP), 2 Cat 6A Plenum-rated patch cords (AXPPP-10W)	49223-W10
QuickPort WAP Kit, includes In-Ceiling Bracket (49223-CBC), Cat 6A jack (6AUJK-RW6), Surface-Mount Box (4S089-2WP), 1 Cat 6A Plenum-rated patch cord (AXPPP-10W)	49223-W1C
<b>[C]</b> QuickPort In-Wall Brackets (set of 5)	49223-BA5
<b>[D]</b> QuickPort In-Wall Bracket Kit, includes bracket and single-gang Wallplate Mounting Bracket	49223-BAK

## WALLPLATE ACCESSORIES

DESCRIPTION	PART NO.
<b>[E]</b> Wallplate Mounting Brackets, single-gang, bag of 2	C0224-000
Wallplate Mounting Bracket, single-gang, bag of 10	C0224-0CP
<b>[F]</b> Wallplate Mounting Bracket, dual-gang	C0225-000



QuickPort WAP Kit (49223-W10)



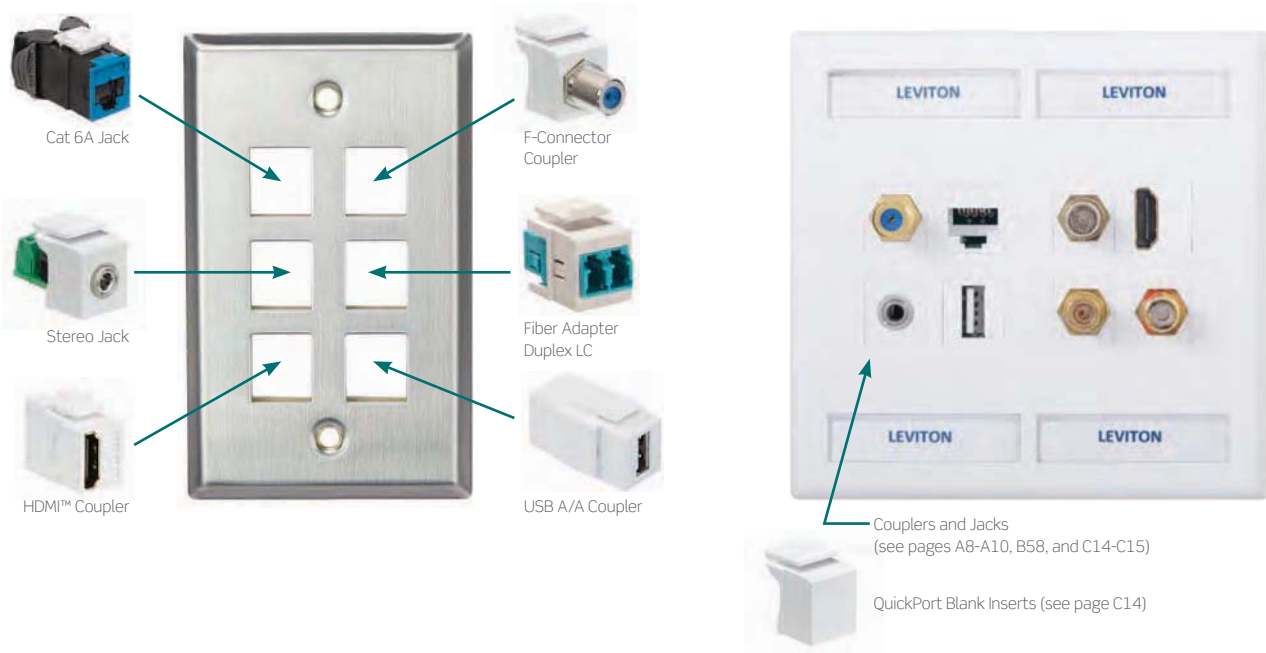
QuickPort In-Ceiling Bracket loaded with Atlas-X1™ Cat 6A QuickPort Jacks



Two In-Wall Brackets

## QUICKPORT™ WALLPLATES

The QuickPort System allows you to create the perfect mix of voice, data, video, and audio connections. Category-rated copper, fiber, and AV QuickPort jacks are compatible with any QuickPort wallplate or insert.



## QUICKPLATE™ TEMPO WALLPLATES WITH ID WINDOWS

QuickPlate Tempo wallplates allow for fast, one-step installations. They feature patented rear wings that tighten the wallplate to wallboard, eliminating the need for a box or mounting brackets.



2-Port Wallplate

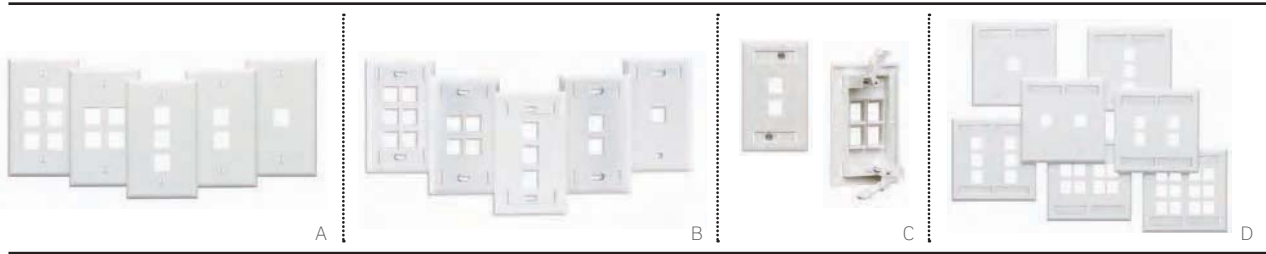
**WATCH: INSTALLATION VIDEOS**

[Leviton.com/ns/videos](http://Leviton.com/ns/videos)  
 "How to Install a QuickPlate Tempo Wallplate"

QuickPort Introduction

HOUSINGS & WALLPLATES





## QUICKPORT STANDARD PLASTIC WALLPLATES

- Compatible with all QuickPort Jacks and Couplers
- Manufactured from ABS plastic for superior resistance to impact, chemicals, and solvents, as compared to other plastics
- Fits NEMA openings and accommodates low-voltage box eliminators for a flush mount
- cULus Listed, fire-retardant material rated UL 94V-0
- ID windows aid in port identification
- Country of origin: USA

## SINGLE-GANG QUICKPLATE TEMPO WALLPLATES WITH ID WINDOWS

- Patented rear wings tighten wallplate to wallboard, eliminating the need for a box or mounting brackets and creating a fast, one-piece installation
- Wings accommodate wallboard thickness of 5/8 inch or less
- ID windows act as marking template for cutting hole in wallboard
- cULus Listed, fire-retardant plastic rated UL 94V-0
- Country of origin: USA

**Compatibility References:** See pages D23-D24 for jack, wallplate & housing compatibility.

### [A] QUICKPORT SINGLE-GANG WALLPLATES

DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK	BROWN
6-Port Wallplate	41080-6WP	41080-6TP	41080-6IP	41080-6GP	41080-6EP	41080-6BP
4-Port Wallplate	41080-4WP	41080-4TP	41080-4IP	41080-4GP	41080-4EP	41080-4BP
3-Port Wallplate	41080-3WP	41080-3TP	41080-3IP	41080-3GP	41080-3EP	41080-3BP
2-Port Wallplate	41080-2WP	41080-2TP	41080-2IP	41080-2GP	41080-2EP	41080-2BP
1-Port Wallplate	41080-1WP	41080-1TP	41080-1IP	41080-1GP	41080-1EP	41080-1BP

### [B] QUICKPORT SINGLE-GANG WALLPLATES WITH ID WINDOWS

6-Port Wallplate	42080-6WS	42080-6TS	42080-6IS	42080-6GS	42080-6ES	—
4-Port Wallplate	42080-4WS	42080-4TS	42080-4IS	42080-4GS	42080-4ES	—
3-Port Wallplate	42080-3WS	42080-3TS	42080-3IS	42080-3GS	42080-3ES	—
2-Port Wallplate	42080-2WS	42080-2TS	42080-2IS	42080-2GS	42080-2ES	—
1-Port Wallplate*	42080-1WS	42080-1TS	42080-1IS	42080-1GS	42080-1ES	—

### [C] QUICKPLATE TEMPO SINGLE-GANG WALLPLATES WITH ID WINDOWS

2-Port Wallplate	42090-2WS	42090-2TS	42090-2IS	42090-2GS	42090-2ES	—
4-Port Wallplate	42090-4WS	42090-4TS	42090-4IS	42090-4GS	42090-4ES	—

### [D] QUICKPORT DUAL-GANG WALLPLATES WITH ID WINDOWS

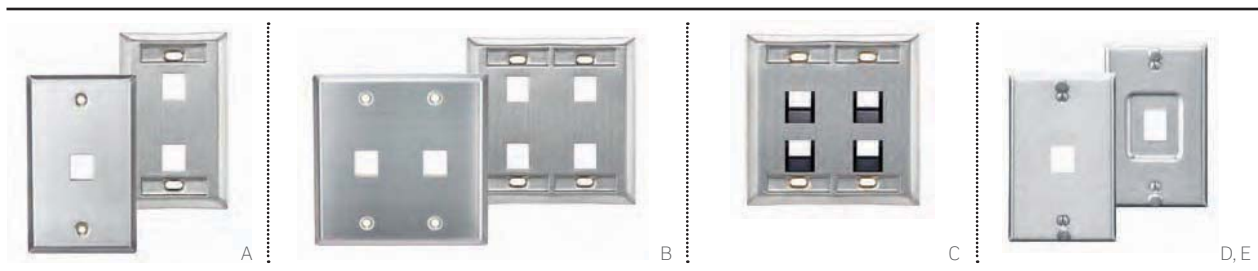
12-Port Wallplate	42080-12W	42080-12T	42080-12I	42080-12G	42080-12E	—
8-Port Wallplate	42080-8WP	42080-8TP	42080-8IP	42080-8GP	42080-8EP	—
6-Port Wallplate	42080-6WP	42080-6TP	42080-6IP	42080-6GP	42080-6EP	—
4-Port Wallplate	42080-4WP	42080-4TP	42080-4IP	42080-4GP	42080-4EP	—
3-Port Wallplate	42080-3WP	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	—

Wallplates are sold empty. See pages A8-A9, B6B, and C14-C15 for QuickPort connectors.

\* = Single-gang 1-Port Wallplate has only one ID window on top.

† = Dual-gang 1- and 2-Port Wallplates have only two ID windows on top.





## QUICKPORT STAINLESS-STEEL WALLPLATES

Dimensions can be found at [Leviton.com](http://Leviton.com)

- Compatible with all QuickPort Couplers and Jacks, including shielded
- Manufactured from 304 stainless steel in a brushed finish to provide corrosion resistance in a non-magnetic material
- Available in single- and dual-gang, with or without ID windows
- Angled wallplate ports facilitate proper front and rear cable-bend radius
- ID window wallplates include slotted mounting holes to help level the plate if the backbox is crooked
- Wall-phone wallplates are available in flush and recessed options to accommodate various phone styles
- cULus Listed

### [A] QUICKPORT SINGLE-GANG STAINLESS-STEEL WALLPLATES

DESCRIPTION	1-PORT	2-PORT	3-PORT	4-PORT	6-PORT
Standard	43080-1S1	43080-1S2	43080-1S3	43080-1S4	43080-1S6
With ID Windows	43080-1L1	43080-1L2	43080-1L3	43080-1L4	43080-1L6

### [B] QUICKPORT DUAL-GANG STAINLESS-STEEL WALLPLATES

DESCRIPTION	2-PORT	4-PORT	6-PORT	8-PORT	12-PORT
Standard	43080-2S2	43080-2S4	43080-2S6	43080-2S8	43080-S12
With ID Windows	—	43080-2L4	—	43080-2L8	—

### QUICKPORT ANGLED STAINLESS-STEEL WALLPLATES WITH ID WINDOWS

DESCRIPTION	2-PORT	4-PORT	8-PORT
Angled Wallplate, single-gang	43081-1L2	43081-1L4	—
Angled Wallplate, dual-gang	—	[C] 43081-2L4	43081-2L8

### QUICKPORT STAINLESS-STEEL WALL-PHONE WALLPLATES

[D] Stainless-Steel Wall-Phone Wallplate	4108W-OSP
[E] Stainless-Steel Wall-Phone Wallplate, recessed	4108W-1SP

### LABELS

Label Kit for QuickPort Stainless-Steel Wallplates*	43080-IDW
Pre-printed Port Labels, black ink, 10 sheets per package	41080-LEB

### IDENTIFICATION WINDOWS

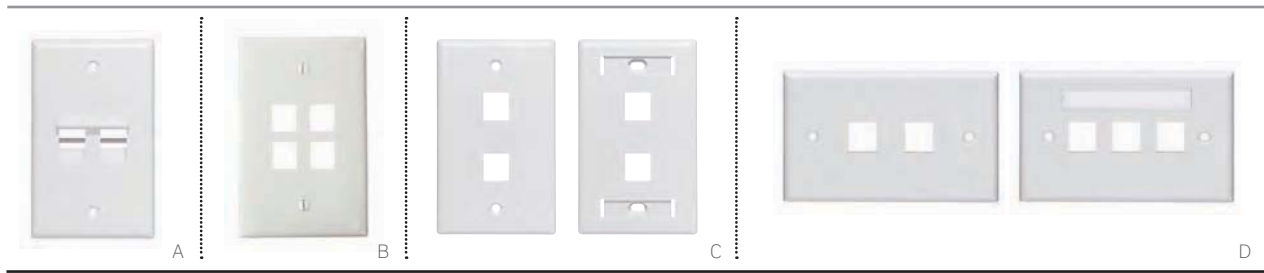
Identification Window for QuickPlate™ Tempo and Plastic QuickPort Wallplates	42080-SCx
Identification Window for QuickPort Stainless-Steel and Angled Wallplates	42081-IDx°

See pages A8-A10, B58, and C14-C15 for QuickPort Jacks.

\* = Also applicable to ID window wallplates on page D6. See page A36 for Work-Area Labeling Solutions.

x = Colors: White (W), Ivory (I), Light Almond (T), Grey (G), Black (E).

° = Not available in grey.



## QUICKPORT ANGLED, MIDWAY, LARGE CONNECTOR & HORIZONTAL WALLPLATES

- Angled and large jack wallplates are made from high-quality ABS plastic, which provides superior resistance to impacts, chemicals, and solvents as compared to other plastics
- Angled wallplates facilitate optimal cable management and ensure proper bend radius in front and back of connector
- Midway wallplates are durable nylon with a smooth finish and help hide irregular drywall cuts or flaws around outlets
- Large jack wallplates feature increased vertical spacing between ports
- cULus Listed, fire-retardant material rated UL 94V-0
- Horizontal wallplate options include single-gang 2-port and a 3-port with an ID window

**Compatibility References:** See pages D23-D24 for jack, wallplate & housing compatibility.

### QUICKPORT ANGLED SINGLE-GANG WALLPLATES

DESCRIPTION	WHITE	LT. ALMOND	IVORY	BLACK	BROWN
4-Port Wallplate	41081-4WP	41081-4TP	41081-4IP	—	—
<b>[A]</b> 2-Port Wallplate	41081-2WP	41081-2TP	41081-2IP	—	—
4-Port Wallplate, with ID windows	42081-4WS	42081-4TS	42081-4IS	42081-4ES	—
2-Port Wallplate, with ID windows	42081-2WS	42081-2TS	42081-2IS	—	—
1-Port Wallplate, with ID windows	42081-1WS	42081-1TS	42081-1IS	—	—

### QUICKPORT MIDWAY SINGLE-GANG WALLPLATES

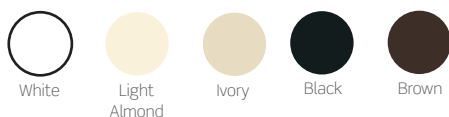
6-Port Wallplate	41091-6WN	41091-6TN	41091-6IN	—	41091-6BN
<b>[B]</b> 4-Port Wallplate	41091-4WN	41091-4TN	41091-4IN	—	41091-4BN
3-Port Wallplate	41091-3WN	41091-3TN	41091-3IN	—	41091-3BN
2-Port Wallplate	41091-2WN	41091-2TN	41091-2IN	—	41091-2BN
1-Port Wallplate	41091-1WN	41091-1TN	41091-1IN	—	41091-1BN

### [C] QUICKPORT SINGLE-GANG WALLPLATES FOR LARGE CONNECTORS

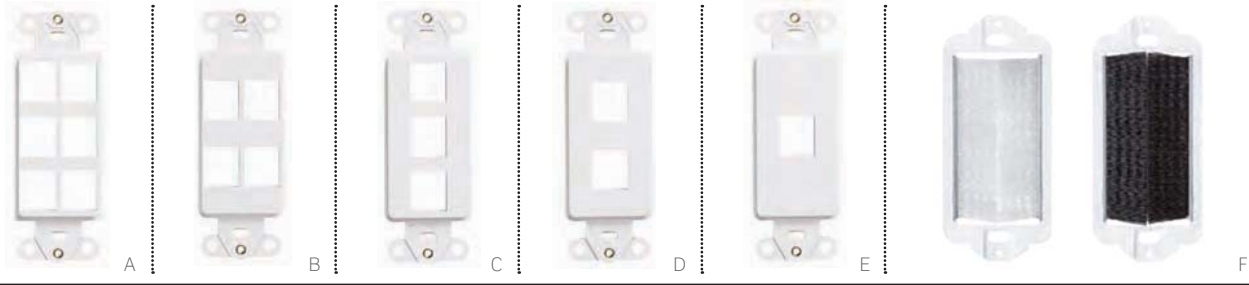
4-Port Wallplate	41080-4WL	41080-4TL	41080-4IL	—	—
2-Port Wallplate	41080-2WL	41080-2TL	41080-2IL	—	—
4-Port Wallplate, with ID windows	42080-4WL	42080-4TL	42080-4IL	—	—
2-Port Wallplate, with ID windows	42080-2WL	42080-2TL	42080-2IL	—	—

### [D] QUICKPORT HORIZONTAL WALLPLATES

2-Port Horizontal Wallplate	41070-2WS	—	—	—	—
3-Port Horizontal Wallplate, with ID window	42070-3WS	—	—	—	—



# HOUSINGS & WALLPLATES | QuickPort™ Decora™ Inserts



## QUICKPORT DECORA & DUPLEX INSERTS

- Combine voice, data, and AV couplers and jacks in popular Decora wallplate formats
- Compatible with all QuickPort Couplers and Jacks
- Compatible with Decora Plus wallplates when used with standard NEMA back boxes and electrical boxes that sit flush or are slightly recessed in the wall (not compatible with Decora Plus wallplates when used with low-voltage box eliminators)
- Passthrough brush insert provides a clean, professional appearance when cables need to pass through a wall opening



Inserts fit Decora Wallplates found on page D11.

## QUICKPORT DECORA MULTIMEDIA INSERTS

DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK	BROWN
[A] 6-Port Insert	41646-00W	41646-00T	41646-00I	41646-0GY	41646-00E	41646-00B
[B] 4-Port Insert	41644-00W	41644-00T	41644-00I	41644-0GY	41644-00E	41644-00B
[C] 3-Port Insert	41643-00W	41643-00T	41643-00I	41643-0GY	41643-00E	41643-00B
[D] 2-Port Insert	41642-00W	41642-00T	41642-00I	41642-0GY	41642-00E	41642-00B
[E] 1-Port Insert	41641-00W	41641-00T	41641-00I	41641-0GY	41641-00E	41641-00B
Blank Insert	80414-00W	80414-00T	80414-00I	80414-0GY	80414-00E	80414-00B
[F] Brush Insert, Passthrough	41075-DBW*	—	—	—	41075-DBE*	—

Inserts A-F are sold empty. See pages A8-A9, B70, and C14-C15 for QuickPort Jacks.  
 \* = Brush color is white for 41075-DBW and black for 41075-DBE, only brush is visible when installed.



See page A52 for Work-Area Labeling Solutions.

### Compatibility References:

See pages D23-D24 for jack, wallplate & housing compatibility.

## SPOTLIGHT Multimedia Outlet System

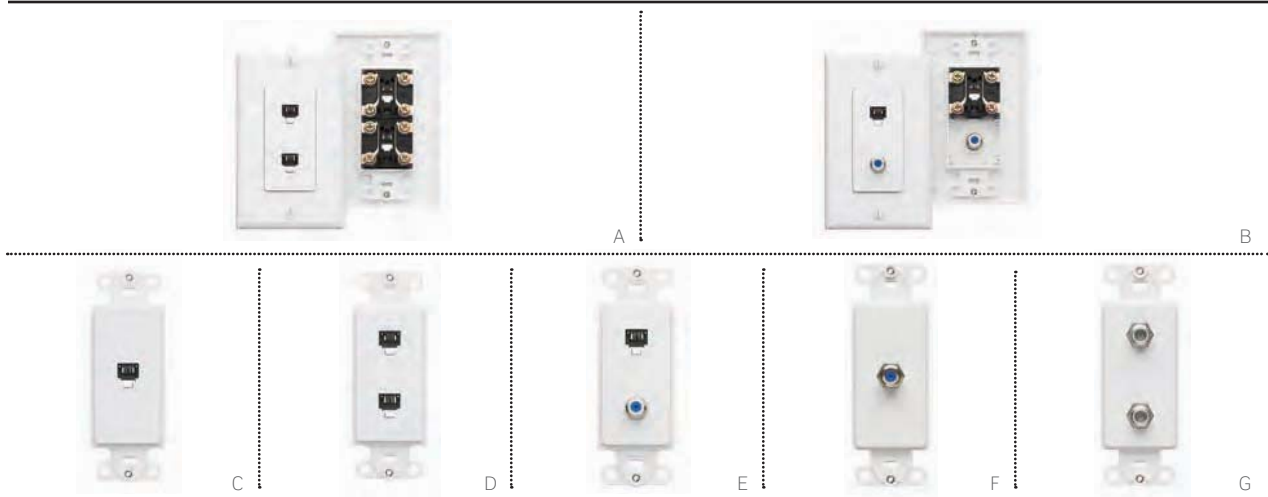


The Leviton Multimedia Outlet System (MOS) is a front-loading solution providing a clean and flexible way to integrate voice, data, audio and video into one wallplate or surface-mount box.

Ideal for applications like healthcare, education, enterprise and government buildings, the front-loading capability makes the system easy to install, maintain and update. Changes are made without removing the wallplate from the wall, and all wiring and cabling is done from the front side of the wallplate.

MOS consists of surface-mount boxes and single-, dual-, and triple-gang wallplates that accept a variety of copper, fiber, and AV modules. Install any combination of connectors including QuickPort Jacks and larger AV modules such as 3-port composite/component RCA, HD-15 couplers and fiber modules.

See the full array of MOS options on pages D19 and D20.



## DECORA TELEPHONE & VIDEO WALLPLATES

- 6P4C models feature lead-frame design for improved reliability and simple installation
- Decora inserts are compatible with Decora wallplates and Decora Plus screwless wallplates
- Decora wallplate assemblies include a Decora insert and matching Decora wallplate
- Decora Kits include a one- or two-port QuickPort™ Decora insert and snap-in USOC or F-connector QuickPort Couplers
- Inserts, assemblies, and kits are cULus Listed and rated UL 94V-0



Inserts fit Decora Wallplates found on page D11.

### DECORA STANDARD TELEPHONE & VIDEO WALLPLATE ASSEMBLIES (WALLPLATE INCLUDED)

DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK	BROWN
<b>[A]</b> Wall Jack, 6P4C + 6P4C	40144-00W	40144-00T	40144-00I	—	—	—
<b>[B]</b> Wall Jack, 6P4C + F-connector	40159-00W	40159-00T	40159-00I	—	—	—

### DECORA TELEPHONE & VIDEO INSERTS (WALLPLATE NOT INCLUDED)

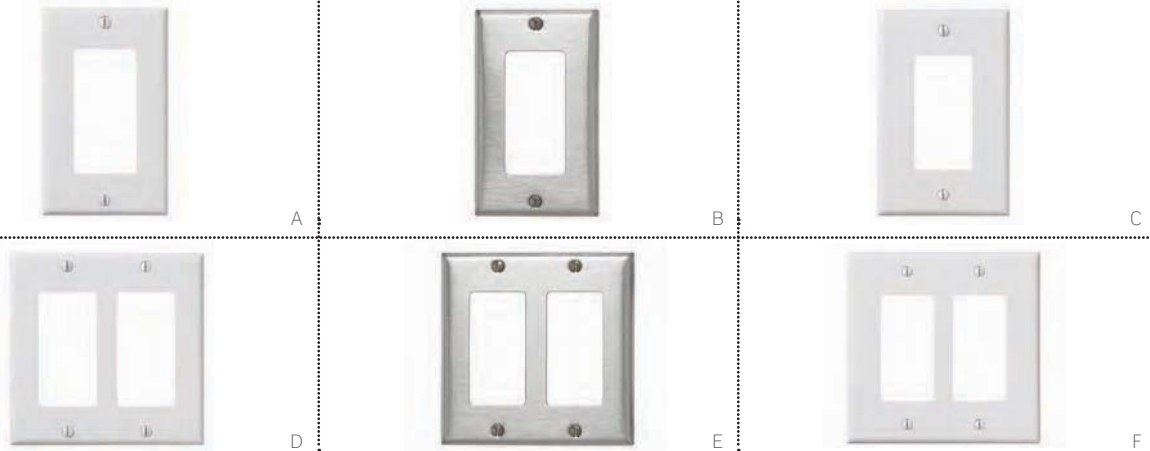
<b>[C]</b> Wall Jack, 6P4C	40649-00W	40649-00T	40649-00I	40649-0GY	40649-00E	40649-000
<b>[D]</b> Wall Jack, 6P4C + 6P4C	40644-00W	40644-00T	40644-00I	—	—	—
<b>[E]</b> Wall Jack, 6P4C + F-connector	40659-00W	40659-00T	40659-00I	—	40659-00E	—
<b>[F]</b> Wall Jack, F-connector	40681-00W	40681-00T	40681-00I	40681-0GY	—	40681-00B
<b>[G]</b> Wall Jack, F-connector + F-connector	40682-00W	40682-00T	40682-00I	40682-0GY	—	40682-000

### DECORA TELEPHONE & VIDEO INSERT KITS (WALLPLATE NOT INCLUDED)

Wall Jack, 6P6C (QuickPort insert with snap-in jack)	41638-00W	41638-00T	41638-00I	41638-0GY	41638-00E	—
Wall Jack, 6P6C + F-connector (QuickPort insert with snap-in jack and snap-in F-connector)	41658-00W	—	41658-00I	—	—	—



# HOUSINGS & WALLPLATES | Decora™ Single-Gang & Dual-Gang Wallplates



## DECORA WALLPLATES

- Accepts a variety of inserts for voice, data, and video applications
- Smooth face and rounded edges resist dust accumulation
- Accent any wall covering with wide selection of colors

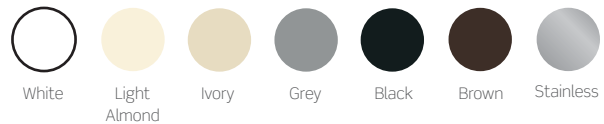
Numerous additional configurations are available; call +1 (425) 486 2222 or visit [Leviton.com](http://Leviton.com) for more information.

### DECORA SINGLE-GANG WALLPLATES

DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK	BROWN	STAINLESS
<b>[A]</b> Decora, standard size, urea	80401-00W	80401-00T	80401-00I	80401-0GY	80401-00E	80401-000	—
Decora, standard size, nylon	80401-0NW	80401-0NT	80401-0NI	80401-0NGY	80401-0NE	80401-00N	—
<b>[B]</b> Decora, standard size, stainless	—	—	—	—	—	—	84401-040
<b>[C]</b> Decora, midway, urea	80601-00W	80601-00T	80601-00I	—	—	80601-000	—
Decora, midway, nylon	0PJ26-00W	0PJ26-00T	0PJ26-00I	0PJ26-0GY	0PJ26-00E	0PJ26-000	—

### DECORA DUAL-GANG WALLPLATES

<b>[D]</b> Decora, standard size, urea	80409-00W	80409-00T	80409-00I	80409-0GY	80409-00E	80409-000	—
Decora, standard size, nylon	80409-0NW	80409-0NT	80409-0NI	80409-0NGY	80409-0NE	80409-00N	—
<b>[E]</b> Decora, standard size, stainless	—	—	—	—	—	—	84409-040
<b>[F]</b> Decora, midway, urea	80609-00W	80309-00T	80609-00I	—	—	80609-000	—
Decora, midway, nylon	PJ262-00W	PJ262-00T	PJ262-00I	PJ262-0GY	PJ262-00E	PJ262-000	—



## SPOTLIGHT

### Dubai Roads & Transit Authority



Dubai's Roads & Transit Authority (RTA) manages everything from public buses, taxis, boats, and trains to road construction and traffic engineering. When they built a new headquarters, they chose Leviton for their structured cabling solutions. These included:

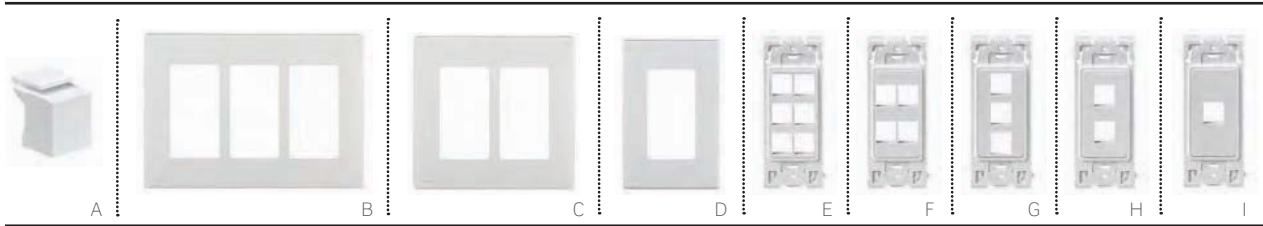
- eXtreme™ Jacks and patch cords
- VertiGO™ Zero-U and QuickPort™ patch panels
- QuickPort Wallplates
- Opt-X SDX 2000i Rack-Mount Fiber Enclosure System
- MTP and LC pre-terminated trunks, and LC patch cords

Not only did the project go smoothly, it won awards from *Network World Middle East*, and the RTA was awarded Network Cabling Project of the Year.

# HOUSINGS & WALLPLATES | Renu™ Wallplates & Inserts



Mix and match for an upscale finish to your project.



Renu Wallplates snap on and off Renu Inserts quickly and easily with no tools, simplifying installation and ongoing maintenance. Choose from wallplates and inserts in White on White, Navajo Sand, Onyx Black, and Stainless Appearance. They are ideal for boardrooms, executive offices, and other applications requiring a high-end finish.

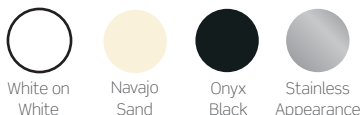
## RENU WALLPLATES AND INSERTS

- Screwless wallplates easily snap onto any Renu insert or device
- Inserts accept all QuickPort™ Couplers and Jacks
- Slightly larger size covers wall imperfections
- Tongue- and groove-design simplifies alignment in multi-gang installations
- Adapter ring allows use of Decora™ device with Renu wallplates
- Available in four standard colors to coordinate with the commercial-grade QuickPort line (White on White, Navajo Sand, Onyx Black, and Stainless Appearance)
- Additional wallplate colors for switches, dimmers, and outlets available; visit [Leviton.com/redu](http://Leviton.com/redu)
- cULus Listed
- One-year limited warranty

**Compatibility References:** See pages D23-D24 for jack, wallplate & housing compatibility.

### RENU WALLPLATES & INSERTS

DESCRIPTION	WHITE ON WHITE	NAVAJO SAND	ONYX BLACK	STAINLESS APPEARANCE
<b>[A]</b> Snap-In Blank Module	RE640-BWW	RE640-NSB	RE640-OB	—
Four-Gang Wallplate	REWP4-0WW	REWP4-0NS	REWP4-0OB	—
<b>[B]</b> Three-Gang Wallplate	REWP3-0WW	REWP3-0NS	REWP3-0OB	—
<b>[C]</b> Dual-Gang Wallplate	REWP2-0WW	REWP2-0NS	REWP2-0OB	REWM2-ST
<b>[D]</b> Single-Gang Wallplate	REWP1-0WW	REWP1-0NS	REWP1-0OB	REWM1-ST
<b>[E]</b> 6-Port Insert	RE640-WW6	RE640-NS6	RE640-OB6	—
<b>[F]</b> 4-Port Insert	RE640-WW4	RE640-NS4	RE640-OB4	—
<b>[G]</b> 3-Port Insert	RE640-WW3	RE640-NS3	RE640-OB3	—
<b>[H]</b> 2-Port Insert	RE640-WW2	RE640-NS2	RE640-OB2	—
<b>[I]</b> 1-Port Insert	RE640-WW1	RE640-NS1	RE640-OB1	—
Adapter Ring for Decora	REA00-0WW	REA00-0NS	REA00-0OB	—



White on White   Navajo Sand   Onyx Black   Stainless Appearance

# HOUSINGS & WALLPLATES | QuickPort™ Modular Furniture Products



A



B-D



E



F

## QUICKPORT MODULAR FURNITURE PRODUCTS

- Simple snap-in installation and attractive streamlined appearance
- Furniture wallplates accept QuickPort Couplers and Jacks and snap easily and snugly into standard modular furniture
- Modular Furniture Brackets facilitate installation of Leviton surface-mount boxes or wallplates with back boxes

### Compatibility References:

See pages D23-D24 for jack, wallplate & housing compatibility.

## MAGNETS AND MODULAR FURNITURE BRACKETS

### DESCRIPTION

(Use one magnet for 2-port surface-mount housing. Use two magnets for 4-, 6-, 12-port, and MOS surface-mount housing and single- and dual-gang surface-mount back boxes.)

### PART NO.

**[A]** Set of 4 Magnets 41030-SMJ

## MODULAR FURNITURE BRACKETS

**[B]** Series 9000™, Haworth™, Inc., Knoll Associates, Inc., Allsteel™, Westinghouse Electric Corp., and Teknion Furniture Systems, Inc. 49222-BLK

**[C]** Ethospace™ and Avenir™ 49222-ESP

**[D]** Action Office™ 49222-HAO

## QUICKPORT MODULAR FURNITURE WALLPLATES

DESCRIPTION	WHITE	IVORY	GREY	BLACK
2-Port Standard Depth*	49910-SW2	49910-SI2	49910-SG2	49910-SE2
<b>[E]</b> 4-Port Standard Depth with 1 QuickPort Blank*	49910-SW4	49910-SI4	49910-SG4	49910-SE4
4-Port Extended Depth with 1 QuickPort Blank*	49910-EW4	49910-EI4	49910-EG4	49910-EE4
2-Port Herman Miller, Inc.†	49910-HW2	49910-HI2	49910-HG2	49910-HE2
<b>[F]</b> 4-Port Herman Miller, Inc. with 1 QuickPort Blank†	49910-HW4	49910-HI4	49910-HG4	49910-HE4

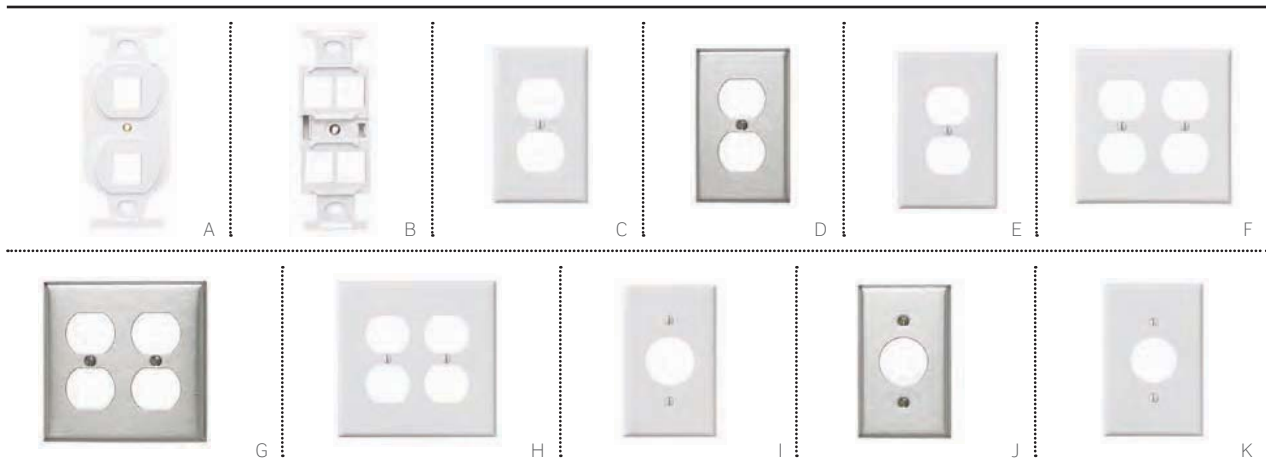
\* = Fits openings of approximately 1.38" x 2.63" to 2.98"

† = Fits openings of approximately 1.88" x 2.98"



Standard- and extended-depth wallplates are compatible when used with Herman Miller, Inc. G1189A Reducer, available from Herman Miller, Inc. dealers.

# HOUSINGS & WALLPLATES | Duplex, Round Opening & Blank Wallplates



## DUPLEX & ROUND OPENING WALLPLATES

- Standard 106-style duplex receptacle wallplates accept QuickPort™ footprint inserts with either two or four openings
- Round opening wallplates accept 110-style or screw terminal inserts (see page D20)
- Stainless wallplates are constructed of type 302 stainless steel

### Compatibility References:

See pages D23-D24 for jack, wallplate & housing compatibility.

### QUICKPORT DECORA TYPE 106 DUPLEX INSERTS

DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK	BROWN	STAINLESS
<b>[A]</b> 2-Port Duplex Insert	41087-2WP	41087-2TP	41087-2IP	41087-2GP	41087-2EP	—	—
<b>[B]</b> 4-Port Duplex Insert	41087-QWP	41087-QTP	41087-QIP	41087-QGP	41087-QEP	—	—

### DUPLEX SINGLE-GANG WALLPLATES

<b>[C]</b> Duplex, standard size, urea	88003-000	78003-000	86003-000	87003-000	—	85003-000	—
Duplex, standard size, nylon	80703-00W	—	80703-00I	80703-0GY	80703-00E	80703-000	—
<b>[D]</b> Duplex, standard size, stainless	—	—	—	—	—	—	84003-040
<b>[E]</b> Duplex, midway, urea	80503-00W	80503-00T	80503-00I	—	—	80503-000	—
Duplex, midway, nylon	00PJ8-00W	00PJ8-00T	00PJ8-00I	00PJ8-0GY	00PJ8-00E	00PJ8-000	—

### DUPLEX DUAL-GANG WALLPLATES

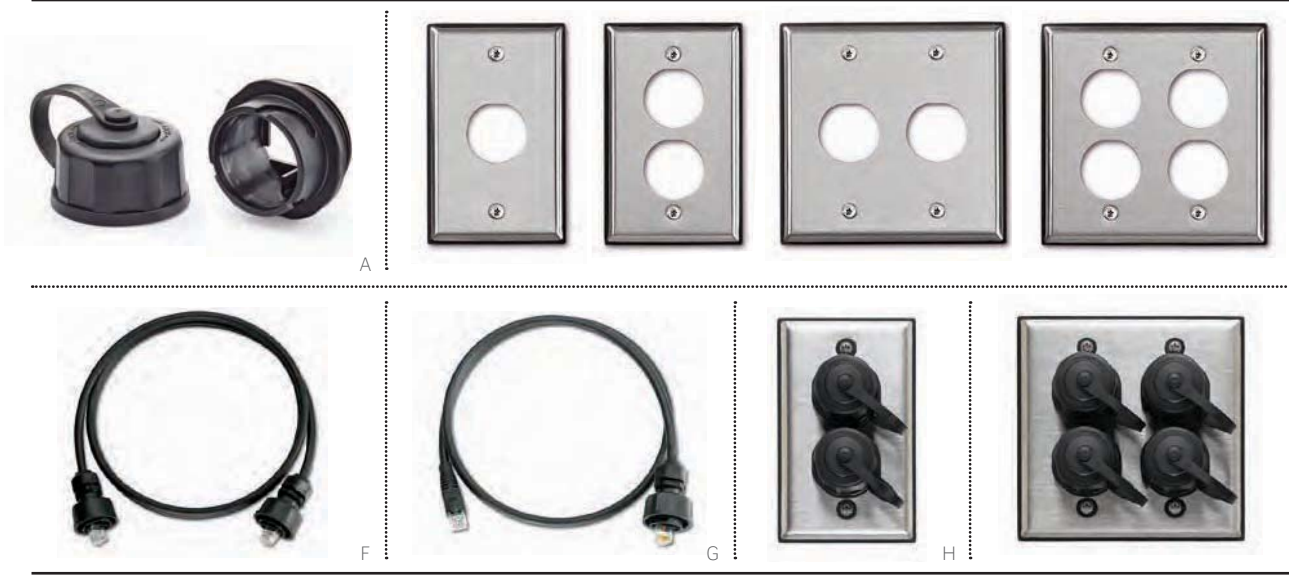
<b>[F]</b> Duplex, standard size, urea	88016-000	78016-000	86016-000	87016-000	—	85016-000	—
Duplex, standard size, nylon	80716-00W	80716-00T	80716-00I	80716-0GY	80716-00E	80716-000	—
<b>[G]</b> Duplex, standard size, stainless	—	—	—	—	—	—	84016-040
<b>[H]</b> Duplex, midway, urea	80516-00W	80516-00T	80516-00I	—	—	80516-000	—
Duplex, midway, nylon	0PJ82-00W	0PJ82-00T	0PJ82-00I	0PJ82-0GY	0PJ82-00E	0PJ82-000	—

### ROUND OPENING SINGLE-GANG WALLPLATES

<b>[I]</b> Round Opening, std size, urea	88004-000	78804-000	86004-000	—	—	85004-000	—
Round Opening, std size, nylon	80704-00W	80704-00T	80704-00I	80704-0GY	80704-00E	80704-000	—
<b>[J]</b> Round Opening, std size, stainless	—	—	—	—	—	—	84004-040
<b>[K]</b> Round Opening, midway, urea	80504-00W	80504-00T	80504-00I	—	—	80504-000	—
Round Opening, midway, nylon	00PJ7-00W	00PJ7-00T	00PJ7-00I	—	—	—	—

### SINGLE & DUAL GANG BLANK WALLPLATES

Single Gang Blank Wallplate	88014-000	78014-000	86014-000	87014-000	—	85014-000	84014-040
Dual Gang Blank Wallplate	88025-000	78025-000	86025-000	87025-000	—	85025-000	84025-040



## DURAPORT JACK HOUSING

- Twist-lock mating allows for easy installation and provides a robust seal
- Compatible with all Atlas-X1 and eXtreme™ QuickPort™ Jacks (sold separately)
- Captive cap with retainer protects and seals unused ports

## DURAPORT STAINLESS-STEEL WALLPLATE

- Patented overmolded gasket on wallplates provides a watertight fit
- Safeguards network in severe conditions and resists moisture, dust, corrosion, acids, oils, and vibration
- Provides a complete seal without o-rings
- Compatible with standard NEMA boxes
- Help position and retain screws during installation

## DURAPORT OUTLET KIT

- DuraPort components assembled for added convenience
- Kits include jack housing, jack cap, and stainless-steel wallplate
- Patch cords and QuickPort Jacks are sold separately

## DURAPORT PATCH CORDS

- Available in industrial plug to industrial plug, and industrial plug to RJ-45 plug configurations
- Cat 6A shielded and Cat 6 UTP available in 3' to 50' lengths, black
- Compatible with Leviton heavy duty Weatherproof Boxes, available in single-gang (1GM53, 1GM73) and two-gang (2GM53, 2GM55, 2GM73, 2GM75) configurations



### PROTECTION AGAINST SOLID OBJECTS

0	None
1	Solid objects larger than 50 mm
2	Solid objects larger than 12.5 mm
3	Solid objects larger than 2.5 mm
4	Solid objects larger than 1.0 mm
5	Dust
6	Dust tight

### PROTECTION AGAINST WATER

0	None
1	Vertically falling water drops
2	Vertically falling water drops (up to 15° angle)
3	Spraying water
4	Splashing water
5	Water jets
6	Powerful water jets
7	Temporary immersion in water
8	Continuous immersion in water

## IP67-RATED INGRESS PROTECTION

IP ratings are based on International Standard IEC 60529. All DuraPort products are IP67 rated as highlighted in the charts above.



## DURAPORT INDUSTRIAL JACK HOUSINGS

DESCRIPTION	PART NO.
<b>[A]</b> Housing with Cap (jack sold separately)	D6700-00E
Cap (housing not included)	D6701-00E

## DURAPORT INDUSTRIAL STAINLESS-STEEL WALLPLATES

<b>[B]</b> Industrial Wallplate, stainless steel, 1-port, single-gang	D6710-1S1
<b>[C]</b> Industrial Wallplate, stainless steel, 2-port, single-gang	D6710-1S2
<b>[D]</b> Industrial Wallplate, stainless steel, 2-port, dual-gang	D6710-2S2
<b>[E]</b> Industrial Wallplate, stainless steel, 4-port, dual-gang	D6710-2S4

## DURAPORT INDUSTRIAL PATCH CORDS, CAT 6

DESCRIPTION	PART NO.
<b>[F]</b> Industrial Plug to Industrial Plug	D6720-xxE
<b>[G]</b> Industrial Plug to RJ-45 Plug	D6721-xxE

## DURAPORT INDUSTRIAL PATCH CORDS, CAT 6A SHIELDED\*

DESCRIPTION	PART NO.
Industrial Plug to Industrial Plug	D6722-xxE
Industrial Plug to RJ-45 Plug	D6723-xxE

xx = Length in feet. 03, 05, 07, 10, 15, 20, 50  
 \* = Cat 6A also available in 35 ft. length: 35

## DURAPORT INDUSTRIAL OUTLET KITS

DESCRIPTION	PART NO.
Industrial Outlet Kit, stainless steel, 1-port, single-gang	D670K-1S1
<b>[H]</b> Industrial Outlet Kit, stainless steel, 2-port, single-gang	D670K-1S2
Industrial Outlet Kit, stainless steel, 2-port, dual-gang	D670K-2S2
<b>[I]</b> Industrial Outlet Kit, stainless steel, 4-port, dual-gang	D670K-2S4

### SPOTLIGHT

### QuickPort™ DIN Rail-Mount Boxes



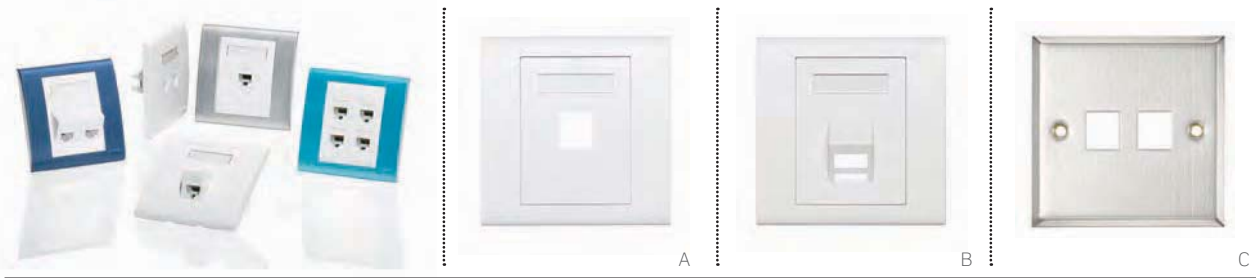
**Compact QuickPort DIN Rail-Mount Boxes** are ideal for network patching inside industrial automation and control panels. The boxes are available empty or with a Leviton 6-Port QuickPort Decora™ insert installed, and can be opened to install other QuickPort Decora inserts. The back panel of each box can be configured to allow cable access at either the top or bottom, increasing flexibility within tight-control enclosures. The box depth is suitable for Cat 5e and Cat 6 jacks.

**Learn more on page D3.**

### Compatibility References:

See pages D23-D24 for jack, wallplate & housing compatibility.

# HOUSINGS & WALLPLATES | 86 mm x 86 mm Excella British Standard



## EXCELLA WALLPLATE INSERTS & FRAMES

- All one- and two-port inserts include designation windows
- Inserts accept QuickPort™ Jacks (sold separately)
- 86 mm x 86 mm frame size conforms to BS 4662 and BS 5733 electrical box standards
- Inserts are white and ship with white wallplate frame
- Colored frames available separately (see colors and part numbers below)

## QUICKPORT™ STAINLESS-STEEL WALLPLATE

- Compatible with all individual QuickPort Jacks and adapters
- Individual port configurability allows specification flexibility
- Brushed finish to provide corrosion resistance in a non-magnetic material
- 86 mm x 86 mm frame size conforms to BS 4662 and BS 5733 electrical box standards

### EXCELLA WALLPLATE INSERTS

DESCRIPTION	PART NO.
<b>[A]</b> QuickPort Wallplate Insert with ID Window, 1 port	BL186-P1W
QuickPort Wallplate Insert with ID Window, 2 ports	BL186-P2W
QuickPort Wallplate Insert, 4 ports	BL186-P4W
<b>[B]</b> QuickPort Angled Wallplate Insert with ID Window, 1 port	BL186-A1W
QuickPort Angled Wallplate Insert with ID Window, 2 ports	BL186-A2W
Blank Wallplate Insert	BL000-00W

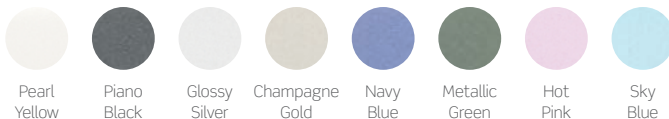
### EXCELLA METALLIC WALLPLATE FRAMES

Wallplate Frame, pearl yellow	BLWP1-PEY
Wallplate Frame, piano black	BLWP1-PIB
Wallplate Frame, glossy silver	BLWP1-GSS
Wallplate Frame, champagne gold	BLWP1-CHG
Wallplate Frame, navy blue	BLWP1-NVB
Wallplate Frame, metallic green	BLWP1-MEG
Wallplate Frame, hot pink	BLWP1-HTP
Wallplate Frame, sky blue	BLWP1-SKB

### QUICKPORT STAINLESS-STEEL WALLPLATE

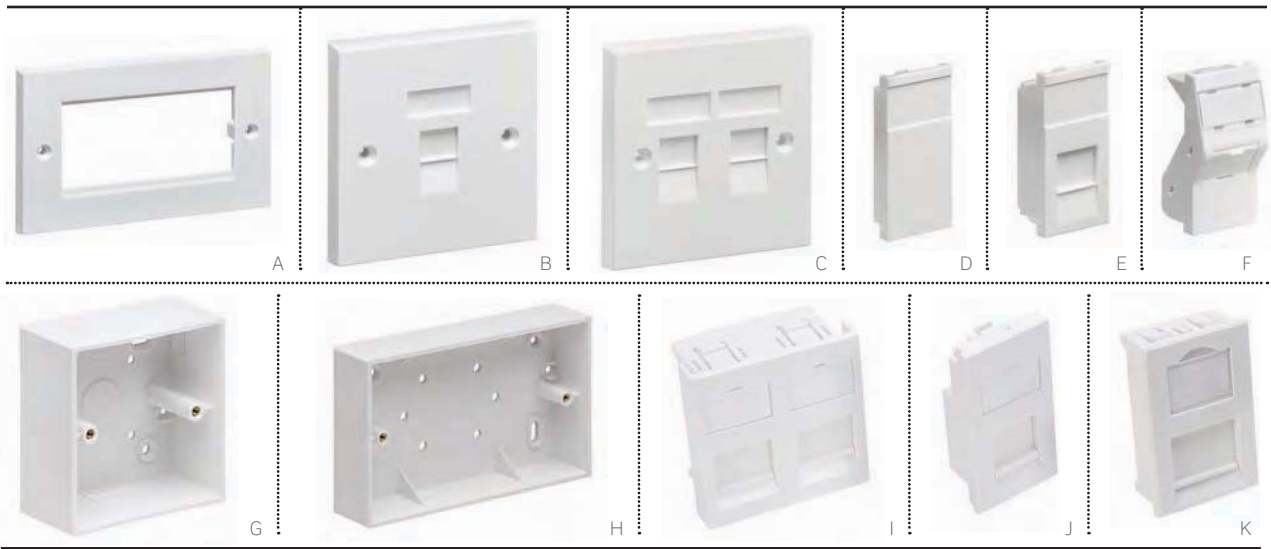
<b>[C]</b> QuickPort Stainless-Steel Wallplate, 2 ports	BI186-S2P
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Wallplates sold empty. See pages A8-A9, B68, and C16-C17 for QuickPort Jacks.



### Compatibility References:

See pages D23-D24 for jack & housing compatibility.



## WALLPLATES & BACKBOXES

- Comprehensive range of outlet solutions for wall, trunking, and floorbox applications
- See chart on page D23-D24 for housing compatibility
- UK-style wallplates come with M3.5 mounting screws and are available in both modular or shuttered versions
- Backboxes allow surface-mount applications

### Compatibility References:

See pages D23-D24 for jack & housing compatibility.

## INTERNATIONAL WALLPLATES, BACKBOXES & MODULES

DESCRIPTION	PART NO.
86 x 86 mm Single Gang Modular Wallplate	MMCWDOUNI030
<b>[A]</b> 86 x 147 mm Double Gang Modular Wallplate	MMCWDOUNI031
<b>[B]</b> 86 x 86 mm 1-Port Shuttered Wallplate	MMCWDOUNI070
<b>[C]</b> 86 x 86 mm 2-Port Shuttered Wallplate	MMCWDOUNI071
<b>[D]</b> 25 x 50 mm Blank Wallplate Module	MMCWDOUNI042
<b>[E]</b> 25 x 50 mm Shuttered Wallplate Module	MMCWDOUNI062
<b>[F]</b> 25 x 50 mm Angled Wallplate Module	MMCANG0623
<b>[G]</b> 44 mm Deep, Single Gang Backbox	MMCSGGB44001
32 mm Deep, Single Gang Backbox	MMCSGGB32001
44 mm Deep, Double Gang Backbox	MMCDGGB44002
<b>[H]</b> 32 mm Deep, Double Gang Backbox	MMCDGGB32002

## FRENCH-STYLE WALLPLATE INSERTS

French-Style Wallplate Insert, 45 mm x 22.5 mm, 1 port, flat, white	LI145-1W1
French-Style Wallplate Insert, 45 mm x 45 mm, 1 port, flat, white	LI145-2W1
<b>[I]</b> French-Style Wallplate Insert, 45 mm x 45 mm, 2 ports, flat, white	LI145-2W2
French-Style Wallplate Frame (for use with French-style LI145 inserts only), single-gang, white (special order)	LF145-01W

## BRITISH-STYLE WALLPLATE INSERTS

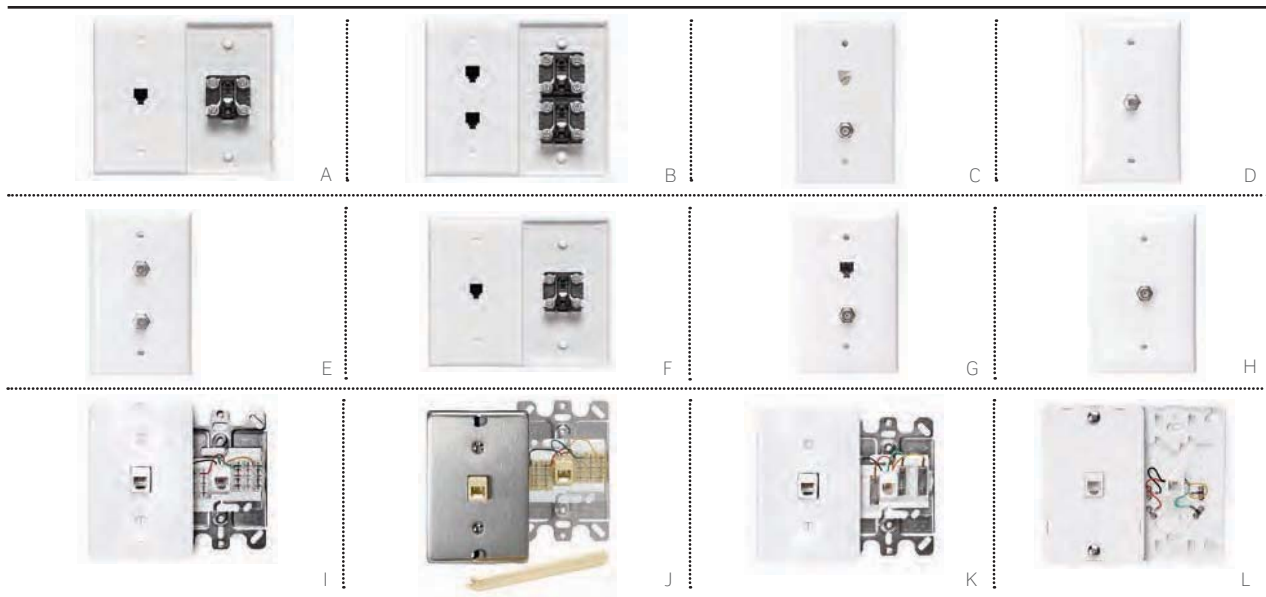
<b>[J]</b> British-Style Wallplate Insert, 50 mm x 25 mm, 1 port, flat, white	LI150-1W1
British-Style Wallplate Insert, 50 mm x 25 mm, 1 port, angled, white	LI150-AW1
British-Style Wallplate Insert, 50 mm x 50 mm, 1 port, flat, white	LI150-2W1
British-Style Wallplate Insert, 50 mm x 12.5 mm, blank, flat, white	LI150-0W0

## LJ6C-STYLE WALLPLATE INSERTS

<b>[K]</b> LJ6C-Style Wallplate Insert, 38 mm x 25 mm, 1 port, flat, white	LI137-1W1
LJ6C-Style Wallplate Insert, 38 mm x 25 mm, 1 port, angled, white	LI137-AW1

Note: French-style, British-style, and LJ6C-style inserts are not compatible with Excella wallplates.

# HOUSINGS & WALLPLATES | Telephone & Video Wallplates



Telephone & Video Wallplates

HOUSINGS & WALLPLATES

## TELEPHONE & VIDEO WALLPLATES

- Provide quick at-the-wall connections for RJ-11 telephone and F-connection video applications
- High-quality ABS plastic or nylon, which provides superior resistance to impacts, chemicals, and solvents as compared to other plastics
- Midway wallplates hide irregular drywall cuts or flaws around outlets
- cULus Listed, fire-retardant material rated UL 94V-0

## TELEPHONE WALL-PHONE JACKS

- Wall-phone jacks available in 4- or 6-conductor models
- Screw terminal or quick-connect termination options
- Quick-connect products include plastic punchdown tool

### STANDARD TELEPHONE & VIDEO WALLPLATES

DESCRIPTION	WHITE	LT. ALMOND	IVORY	BROWN
<b>[A]</b> Wall Jack, 6P4C	40249-00W	40249-00T	40249-00I	—
<b>[B]</b> Wall Jack, 6P4C + 6P4C	40244-00W	40244-00T	40244-00I	—
<b>[C]</b> Wall Jack, 6P4C + F-connector	40259-00W	40259-00T	40259-00I	—
<b>[D]</b> Wall Jack, F-connector, nylon	80781-00W	80781-00T	80781-00I	—
<b>[E]</b> Wall Jack, F-connector + F-connector	80782-00W	80782-00T	80782-00I	—
Wall Jack, 6P6C	40238-00W	—	—	—
Wall Jack, 6P6C + F-connector	40258-00W	—	—	—

### MIDWAY TELEPHONE & VIDEO WALLPLATES (NYLON)

<b>[F]</b> Wall Jack, 6P4C	40539-PMW	40539-PMT	40539-PMI	40539-PMB
<b>[G]</b> Wall Jack, 6P4C + F-connector	40539-CMW	40539-CMT	40539-CMI	40539-CMB
<b>[H]</b> Wall Jack, F-connector	40539-OMW	40539-OMT	40539-OMI	40539-OMB

### WALL-PHONE JACK WALLPLATES - 110-STYLE

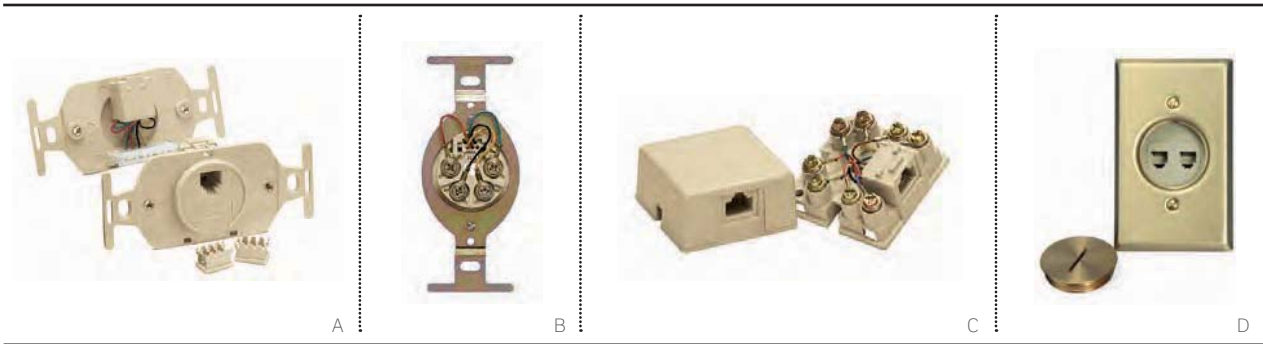
DESCRIPTION	WHITE	LT. ALMOND	IVORY	STAINLESS
<b>[I]</b> Wall-Phone Jack, 6P4C quick-connect, plastic with metal base	40253-00W	40253-00T	40253-00I	—
<b>[J]</b> Wall-Phone Jack, 6P4C quick-connect, stainless with metal base	—	—	—	40223-00S

### WALL-PHONE JACK WALLPLATES - SCREW TERMINAL

<b>[K]</b> Wall-Phone Jack, 6P4C screw terminal, plastic with metal base	40257-00W	—	—	—
<b>[L]</b> Wall-Phone Jack, 6P4C screw terminal, plastic with plastic base	40214-00W	40214-00T	40214-00I	—
Wall-Phone Jack, 6P6C screw terminal, stainless with metal base	—	—	—	40226-00S

See page D20 for color options.

# HOUSINGS & WALLPLATES | Round Telephone Inserts & Surface-Mount Boxes



## ROUND TELEPHONE INSERTS & SURFACE-MOUNT BOXES

- Round inserts available with screw terminal or 110-style termination
- See page D14 for wallplates with round openings
- Surface-mount boxes feature 4-, 6-, and 8-conductor screw terminal connections
- Shorting bar option for use with monitored home security systems

## QUICKPORT™ FLOOR BOX ASSEMBLIES

- Combine voice, data, and AV couplers and jacks in convenient in-floor locations
- Floor box assemblies include brass wallplate and screw cap (floor box not included)
- Inserts and connectors are ivory

### ROUND TELEPHONE INSERTS

DESCRIPTION	WHITE	LT. ALMOND	IVORY	GRAY
<b>[A]</b> Round Insert, 6P4C, 110 termination	—	—	41054-IDD	—
<b>[B]</b> Round Insert, 6P4C, screw terminal	—	—	40201-00I	—

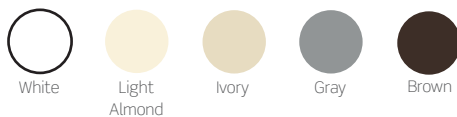
### SURFACE-MOUNT TELEPHONE BOXES

Surface-Mount Box, 6P4C, screw terminal	4625A-24W	—	4625A-24I	—
Surface-Mount Box, 6P6C, screw terminal	4625A-26W	—	4625A-26I	—
<b>[C]</b> Surface-Mount Box, 8P8C, screw terminal	40278-00W	40278-00T	40278-00I	40278-00G
Surface-Mount Box, 8P8C with shorting bar, screw terminal, RJ-31X	—	40278-SBT	40278-SBI	—

### QUICKPORT FLOOR BOX ASSEMBLY WITH INSERT, BRASS PLATE & SCREW CAP

DESCRIPTION	PART NO.
Floor Box Assembly, one F-connector coupler, one blank module	41650-00F
Floor Box Assembly, one 6P6C jack, one blank module	41650-006
Floor Box Assembly, two port, includes one blank module	41652-000
<b>[D]</b> Floor Box Assembly, two 6P6C jacks	41652-006
Floor Box Assembly, one 6P6C jacks, one F-connector coupler	41652-06F

Floor Box Assemblies sold as complete kits only, individual components not sold separately.





# HOUSINGS & WALLPLATES | Multimedia Outlet System (MOS)



## MULTIMEDIA OUTLET SYSTEM (MOS) BOX AND WALLPLATE HOUSINGS

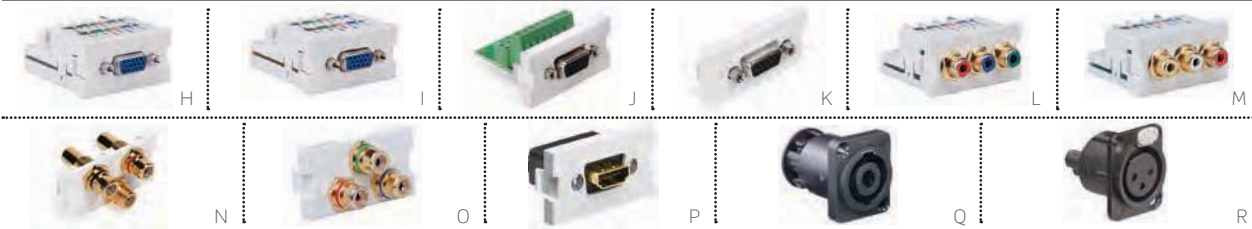
- MOS Surface-Mount Housings accept AV, copper, and fiber MOS modules
- Front load installation ensures simple moves, adds, and changes
- Surface-Mount Box accepts 3 modules (1 unit high only)
- Wallplates accept 3-units-high per gang
- Surface-Mount Housing accepts one 1-unit high module and is plenum rated for use in air-handling environments

### MULTIMEDIA OUTLET SYSTEM (MOS) SURFACE-MOUNT BOX AND WALLPLATE HOUSINGS

DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK	STAINLESS
[A] Single-Gang Wallplate	41290-SMW	41290-SMT	41290-SMI	41290-SMG	41290-SME	41290-SMS
[B] Dual-Gang Wallplate	41290-DMW	41290-DMT	41290-DMI	41290-DMG	41290-DME	41290-DMS
[C] Three-Gang Wallplate	—	—	—	—	—	41290-TMS
[D] Surface-Mount Box, 3-unit with Fiber Storage*	41296-MMW	41296-MMT	41296-MMI	41296-MMG	41296-MME	—
[E] Surface-Mount Housing, holds one 1-unit high module	4M089-1WM	4M089-1IM	4M089-1TM	4M089-1GM	4M089-1EM	—
[F] Fiber Storage/Spacer Ring°	41290-DRW	—	41290-DRI	41290-DRG	41290-DRE	—
[G] Decora™ Insert, holds one 1-unit high module	41649-00W	41649-00T	41649-00I	41649-00G	41649-00E	—

\* = Surface-Mount Box is not compatible with 41295-V\*\*, 41292-D\*\*, 41295-HD\*, and 41292-A\*\*.  
° = Dual-gang only.

See pages D23-D24 for jack compatibility.



## MULTIMEDIA OUTLET SYSTEM (MOS) AV CONNECTOR MODULES

- VGA, RCA, and HDMI™ options in 1-unit-high MOS modules
- SpeakON™ and XLR Jacks install in 1.5-unit-high MOS passthrough module (41297-2PX)

### MULTIMEDIA OUTLET SYSTEM (MOS) AV CONNECTOR MODULES (All modules are 1 unit high unless noted otherwise)

DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK
[H] VGA PC Module, 110-style termination^	41295-VPW	41295-VPT	41295-VPI	41295-VPG	—
[I] VGA Monitor Module, 110-style termination^	41295-VMW	41295-VMT	41295-VMI	41295-VMG	—
[J] VGA/HD15 Module, screw terminal	41295-HDW	—	41295-HDI	—	—
[K] VGA/HD15 Module, coupler	41293-HDW	41293-HDT	41293-HDI	41293-HDG	41293-HDE
VGA/HD15 Module, empty	41291-DBW	—	41291-DBI	41291-DBG	41291-DBE
[L] RCA Component Video Module, 110-style termination (red, green, blue)	41292-DEW	41292-DET	41292-DEI	—	—
[M] RCA Composite Video Module, 110-style termination (red, white, yellow)	41292-AEW	41292-AET	41292-AEI	—	—
[N] 3-Port RCA Module (red, black, yellow), coupler	41292-3RW	41292-3RT	41292-3RI	41292-3RG	41292-3RE
[O] 3-Port RCA Module (red, green, blue), coupler	41292-3DW	41292-3DT	41292-3DI	41292-3DG	41292-3DE
[P] HDMI Module, coupler	41290-HDW	41290-HDT	41290-HDI	41290-HDG	41290-HDE
[Q] speakON Jack, 4-pole, screw terminal*	—	—	—	—	41297-SP4
[R] XLR Jack, 3-pole, screw terminal*	—	—	—	—	41297-XL3

^ = 110-Style VGA modules require both PC and Monitor modules used in pairs to operate. This applies to H and I only.  
\* = 1.5 units high. speakON™ and XLR Jacks must be installed in 1.5 unit high MOS Passthrough Module (41297-2Px).

# HOUSINGS & WALLPLATES | Multimedia Outlet System (MOS)



## MULTIMEDIA OUTLET SYSTEM (MOS) FIBER MODULES

- Duplex SC and ST single-mode and multimode options
- Modules available in 1, 1.5, 2, and 3 units high

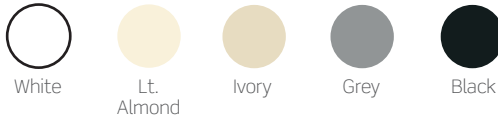
### Compatibility References:

See pages D23-D24 for jack, wallplate & housing compatibility.

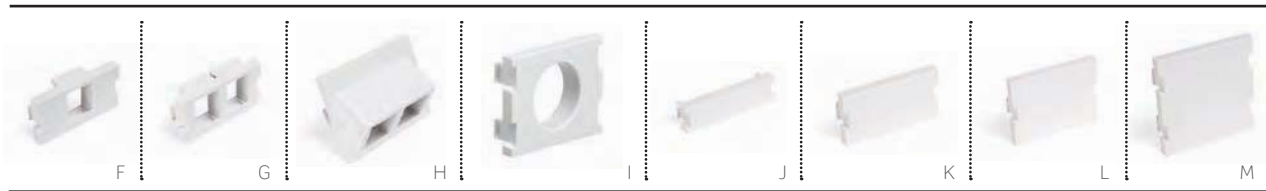
## MULTIMEDIA OUTLET SYSTEM (MOS) FIBER MODULES

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

\* = Angled fiber jacks must be installed in lower 2RU of MOS wallplates



For multimode SC adapters in beige, blue, or aqua housing, please contact Inside Sales at +1 (425) 486 2222



## MULTIMEDIA OUTLET SYSTEM (MOS) ADAPTERS & BLANK MODULES

- QuickPort™ modules allow for a combination of QuickPort category-rated jacks and AV or fiber adapters
- Blank modules create a finished look when building extra capacity for future growth
- 1.5-unit-high passthrough module accepts SpeakOn and XLR Jacks

## MULTIMEDIA OUTLET SYSTEM (MOS) ADAPTERS & BLANK MODULES

DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK
<b>[F]</b> 1-Port QuickPort Module (1 unit high)	41291-1MW	41291-1MT	41291-1MI	41291-1MG	41291-1ME
<b>[G]</b> 2-Port QuickPort Module (1 unit high)	41291-2QW	41291-2QT	41291-2QI	41291-2QG	41291-2QE
<b>[H]</b> 2-Port 45° Exit Angled QuickPort Module (1.5 units high)	41294-2QW	41294-2QT	41294-2QI	41294-2QG	41294-2QE
<b>[I]</b> Passthrough Module (1.5 units high)	41297-2PW	41297-2PT	41297-2PI	41297-2PG	41297-2PE
<b>[J]</b> Blank Module (0.5 unit high)	41295-5BW	41295-5BT	41295-5BI	41295-5BG	41295-5BE
<b>[K]</b> Blank Module (1 unit high)	41291-1BW	41291-1BT	41291-1BI	41291-1BG	41291-1BE
<b>[L]</b> Blank Module (1.5 units high)	41294-2BW	41294-2BT	41294-2BI	41294-2BG	41294-2BE
<b>[M]</b> Blank Module (2 units high)	41292-2BW	41292-2BT	41292-2BI	41292-2BG	41292-2BE


# HOUSINGS & WALLPLATES | Jack, Wallplate & Housing Compatibility

Use the chart below to check compatibility between our category-rated connectors, AV inserts, and housings.

✓ = Compatible  
 X = Not compatible

Connector & Housing  
 Compatibility

HOUSINGS & WALLPLATES

	<b>Multimedia Outlet System (MOS) Surface-Mount Box and Wallplate Housings</b> 41296-MMx, 41290	
	<b>QuickPort™ Surface-Mount Boxes</b> 41089 Series	
	<b>QuickPort Surface-Mount Boxes, Extended Depth</b> 4S089 Series	
	<b>QuickPort In-Ceiling and In-Wall Brackets</b> 49223 Series	
	<b>QuickPort Wallplates</b> 41080, 42080, 43080, 41091	
	<b>QuickPort Angled Wallplates</b> 41081, 43081	
	<b>QuickPort Wallplates for Large Jacks</b> 42080-xxL Series	
	<b>DuraPort™</b> D670K Series	
	<b>QuickPort Decora and 106-Style Straps</b> 41087, 4164x Series	
	<b>Horizontal Wallplates</b> 41070-2WS, 42070-3WS	
	<b>QuickPort Furniture Plates</b>	49910 (2-Port) 49910 (4-Port)
	<b>86 x 86 mm Wallplates</b>	BL186 Series MMCWDOUNI070, MMCWDOUNI071
	<b>International Inserts and Modules</b>	LI150, LI145, LI137 QuickPort International Inserts MMCANG0623, MMCWDOUNI062 25 x 50 mm Modules

\* = Are compatible when used with QuickPort MOS Modules (see page D22).

# HOUSINGS & WALLPLATES | Jack, Wallplate & Housing Compatibility

JACKS & INSERTS (SEE PAGES A8 - A12)					
QuickPort™	Multimedia Outlet System	Tool-Free Shielded	Tool-Free UTP	Punchdown Shielded	Punchdown UTP
 Atlas-X1™ eXtreme™ GigaMax™ AV	 AV Fiber	 10GPlus Cat 6A Cat6Plus Cat 6	 10GPlus Cat 6A Cat6Plus Cat 6 GigaPlus Cat 5e	 10GPlus Cat6Plus GigaPlus Cat 5e	 10GPlus LSA Cat6Plus Cat 6
✓*	✓	X	X	X	X
✓	X	X	X	X	X
✓	X	X	✓	X	X
✓	X	✓	✓	✓	✓
✓	X	X	✓	X	X
✓	X	X	✓	X	✓
✓	X	X	✓	✓	✓
✓	X	✓	✓	✓	✓
✓	X	X	X	X	X
✓	X	✓	✓	✓	✓
✓	X	X	✓	✓	✓
✓	X	X	X	X	X
✓	X	X	✓	X	X
✓	X	✓	✓	✓	✓
✓	X	✓	✓	X	X
✓	X	✓	✓	✓	✓
✓	X	✓	✓	X	X
✓	X	✓	✓	✓	✓

Connector & Housing  
Compatibility

HOUSINGS & WALLPLATES





# CABLE MANAGEMENT



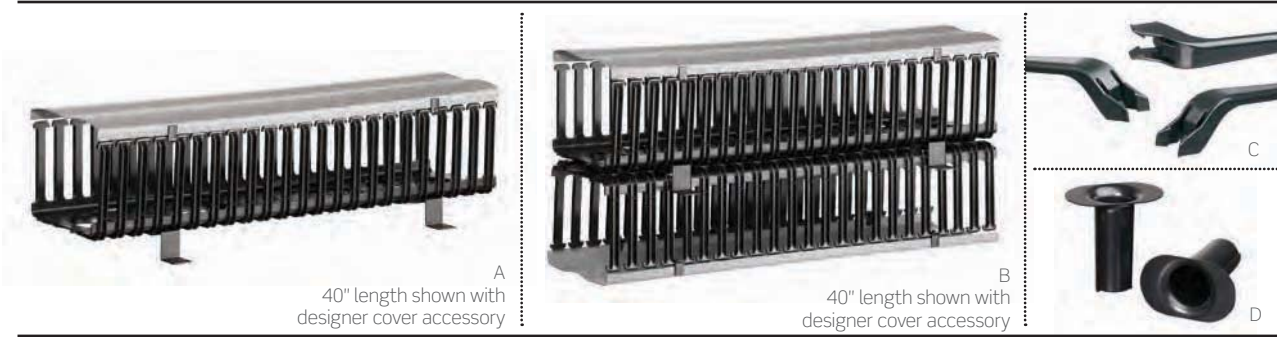


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## SECTION E CONTENTS

- E3** Versi-Duct™ Cable Management System
- E5** Horizontal Cable Managers
- E6** Rear Cable Managers, Blanks & Transitional Covers
- E7** Rings & Brackets
- E8** VELCRO® Brand Fasteners
- E10** Zone Enclosures

# CABLE MANAGEMENT | Versi-Duct™ Cable Management System



## VERSI-DUCT CABLE MANAGEMENT SYSTEM

The innovative system for copper and fiber installations fits on any standard equipment rack, and accessories enable a wide range of configurations.

### VERSI-DUCT 8" CHANNEL CABLE MANAGEMENT

- Ideal for today's large-scale deployments and Cat 6A installations with typical larger-diameter cable
- 80-inch channel ships in two 40-inch pieces for easier handling and installation
- Channels available with standard black cover
- Designer cover (grey) available as an accessory
- Channels include mounting bracket kit and two covers, one slack-loop organizer, and one cable retainer, per 80-inch side (front or front/rear)
- Covers feature integrated dual-hinge for easy accessibility
- Channels can be side- or center-mounted for better space utilization
- Large finger-passthrough space aligns with rack units

### VERSI-DUCT 8" CHANNEL VERTICAL CABLE MANAGEMENT & ACCESSORIES

DESCRIPTION	FRONT ONLY	FRONT & REAR
Vertical 80" Length, 8" W x 8" D channel, standard black cover, hinged [A]	8980L-VFO*	[B] 8980L-VFR
Vertical 40" Cover, 8" W, black (set of 4)	—	8940L-SRC
Vertical 40" Designer Cover, 8" W, grey (set of 2)	—	89265-8DC
Vertical Center Mounting Bracket, 8" W channel (bag of 4)	—	89265-BKT
Vertical Cable Retainer, 8" W channel (bag of 6)	—	[C] 89265-WR1
Vertical Slack Loop Organizer, 8" W channel (package of 2)	—	[D] 89265-SL1

\* = Rear retrofit not available.

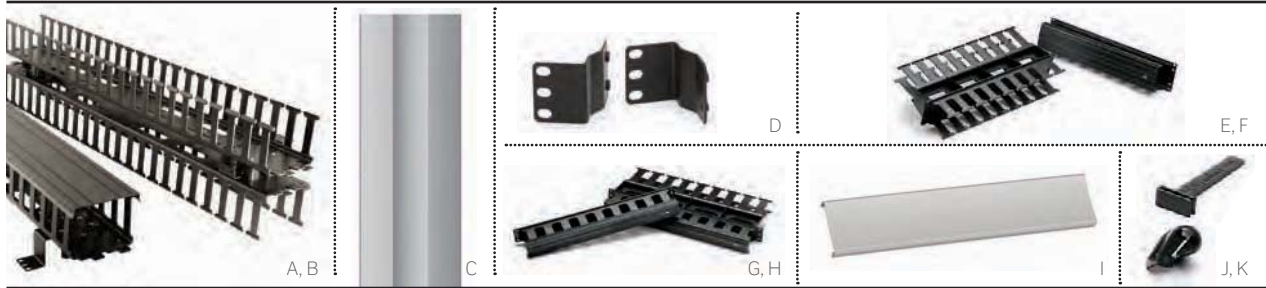
### 8" VERSI-DUCT CAPACITY CHART

Use the chart below to determine maximum recommended cable capacity for 8" Versi-Duct managers, based on average cable outside diameter. To ensure proper bend radius and space for future additions, do not fill to capacity at initial installation.

FEATURE	CHANNEL DEPTH (WxD)	USABLE AREA (IN <sup>2</sup> )	CAT 6A CAPACITY (.330" CABLE)	CAT 6 CAPACITY (.230" CABLE)	CAT 5E CAPACITY (.185" CABLE)
8" Channel Size	7.88" x 6.9"	54.3	159	327	505
Finger Spacing	5.5" x 1"	5.5	24	50	77
Large Passthrough	4.8" x 2.6"	11.2	49	101	156
Small Passthrough	2.6" dia.	5.3	23	48	74



# CABLE MANAGEMENT | Versi-Duct™ Vertical & Horizontal Management



## VERSI-DUCT 5" CHANNEL CABLE MANAGEMENT

- 80-inch channel ships in two 40-inch pieces for easier handling and installation
- Interlocking tabs maintain flush channel alignment
- Finger spacing aligns with rack units

## VERSI-DUCT HORIZONTAL CABLE MANAGEMENT

- Fits all standard 19-inch racks
- Includes bend-radius-compliant clips
- Finger spacing aligns with patch panel port openings to better manage patch cords



Mount the Slack Loop Organizer on the duct fingers to manage excess cables.

### VERSI-DUCT 5" CHANNEL VERTICAL CABLE MANAGEMENT & ACCESSORIES

DESCRIPTION	FRONT ONLY	FRONT & REAR
Vertical 80" Length, 5" W x 4" D channel, standard snap-on black cover (included)	4980L-VFO+	4980L-VFR
Vertical 40" Length, 5" W x 4" D channel, standard snap-on black cover (included)	<b>[A]</b> 4940L-VFO+	<b>[B]</b> 4940L-VFR
Vertical 40" Cover, 5" channel, snap-on, black (set of 4)	—	4940L-SRC
Vertical 40" Designer Cover, 5" channel, snap-on, grey (set of 2)	—	<b>[C]</b> 59265-5DC
Vertical Center Mounting Bracket, 5" channel (set of 2)	—	<b>[D]</b> 49265-BKT
Versi-Duct Slack Loop Organizer (set of 2)	—	49265-SL1
Versi-Duct Slack Loop Organizer, extended (set of 2)	—	49265-SL2

### VERSI-DUCT HORIZONTAL CABLE MANAGEMENT & ACCESSORIES

Horizontal Manager, 2RU, 3" W x 3" D front, 2" W x 4" D rear*, with cover	<b>[E]</b> 492RU-HFO	<b>[F]</b> 492RU-HFR
Horizontal Manager, 1RU, 1.5" W x 3" D front, 1.5" W x 4" D rear*, with cover	<b>[G]</b> 491RU-HFO	<b>[H]</b> 491RU-HFR
Horizontal Designer Cover, 2RU, snap-on, grey	—	<b>[I]</b> 49265-DC2
Horizontal Designer Cover, 1RU, snap-on, grey	—	49265-DC1
Horizontal Cable Retainer (10 per package)	—	<b>[J]</b> 49265-WR1
Horizontal Cover Hinge (4 per package)	—	<b>[K]</b> 49265-HNG

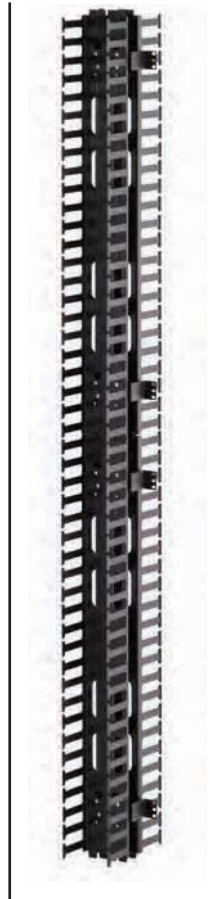
† = Rear retrofit not available.

\* = Bend radius clips included.

## 5" VERSI-DUCT CAPACITY CHART

Use the chart below to determine maximum recommended cable capacity for 5" Versi-Duct managers, based on average cable outside diameter. To ensure proper bend radius and space for future additions, do not fill to capacity at initial installation.

FEATURE	CHANNEL DEPTH (WxD)	USABLE AREA (IN <sup>2</sup> )	CAT 6A CAPACITY (.330" CABLE)	CAT 6 CAPACITY (.230" CABLE)	CAT 5E CAPACITY (.185" CABLE)
5" Channel Size	4.75" x 3.9"	18.5	54	111	172
Finger Spacing	3" x 1"	3.0	13	27	42
Passthrough	3.5" x 1"	3.5	15	32	49



Versi-Duct

CABLE MANAGEMENT

# CABLE MANAGEMENT | Horizontal & Modular Cable Managers



## HORIZONTAL CABLE MANAGERS

- Available in 1RU, 2RU, and 4RU sizes
- All mount to standard 19-inch racks and cabinets
- 4RU manager includes a shelf to support patch cords
- Horizontal managers support transition to vertical management

## MODULAR CABLE MANAGER

- For use with Snap-in-Jack Patch Panels ( see page A23)

HORIZONTAL CABLE MANAGERS		
DESCRIPTION	FLAT	ANGLED
Horizontal, 1RU, 4" ( 10.2 cm) metal rings	<b>[A]</b> 49253-LPM	<b>[B]</b> 49254-LPM
Horizontal, 2RU, 4" ( 10.2 cm) metal rings	49253-BCM	49254-BCM
Horizontal, 4RU, 4" ( 10.2 cm) metal rings	<b>[C]</b> 49253-4CM	—
Horizontal, 1RU, 6" ( 15.2 cm) metal rings	49253-6PM	—
Horizontal, 2RU, 6" ( 15.2 cm) metal rings	<b>[D]</b> 49253-6MR	—
Horizontal, 4RU, 6" ( 15.2 cm) metal rings	49253-6CM	—
Horizontal Cable Manager Cover, 1RU	49253-1CV	—
Horizontal Cable Manager Cover, 2RU	<b>[E]</b> 49253-2CV	—
Horizontal Cable Manager Cover, 4RU	49253-4CV	—
Horizontal, 1RU 5 cm metal rings, black	<b>[F]</b> MMCACCCM001	—
Horizontal, 1RU 8 cm metal rings, black	MMCACCCM008	—
Horizontal with brush center, 1RU, gray	MMCACCCM106	—
Horizontal with brush center, 1RU, black	<b>[G]</b> MMCACCCM006	—
MODULAR CABLE MANAGER		
DESCRIPTION	GRAY	BLACK
<b>[F]</b> Modular Cable Manager (for use with MMCPNLX24SIJ panels)	MMCACCCMSIJ8	MMCACCCMSIJ2

# CABLE MANAGEMENT | Rear Cable Managers, Blanks & Transitional Covers



## REAR CABLE MANAGEMENT BARS AND CLIP

- Standard Flat Cable Management Bar attaches to patch panel
- Cable Management Clip easily snaps onto the standard Cable Management Bar to secure discrete cables with no ties or wraps
- Angled and recessed-angled bars attach to rack
- High-Density Cable Management Bar supports heavy loads of cable and mounts on front or rear of rack
- e2XHD Rear Cable Manager for flat panels attaches to rack, includes rings to help manage and route incoming fiber cables, and supports any Leviton panel (see page A18 or B25 for more details)

## BLANK PANEL INSERTS

- Provide a seamless look and designate rack space for future expansion

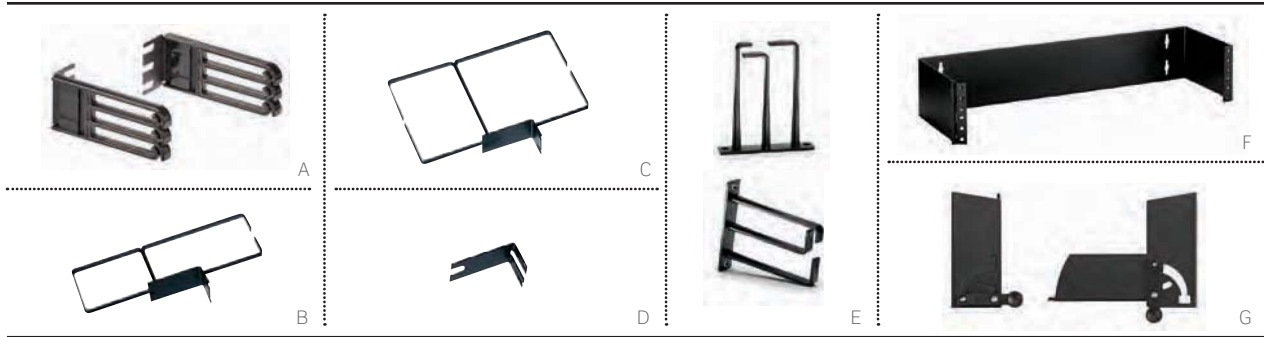
## TRANSITIONAL COVER

- Provides clean, aesthetic transition from angled patch panels to flat equipment
- Improves thermal management

REAR CABLE MANAGEMENT BARS AND CLIP			
DESCRIPTION	FLAT	ANGLED	RECESSED-ANGLED
Standard Cable Management Bar	[A] 49005-CMB	[C] 49006-AMB	[D] 4W006-AMB
Cable Management Clip (attaches to 49005-CMB)	[B] 49005-CMC		
High-Density Cable Management Bar, 1RU	[E] 49005-DMB	—	—
e2XHD Rear Cable Manager, with cable management rings (four ¼" rings)	[F] E2X1F-CMB	E2XHD-CMB	—
BLANK PANEL INSERTS			
Blank Panel, 1RU	[G] 49254-BP1	[J] 49254-BA1	—
Blank Panel, 2RU	[H] 49254-BP2	[K] 49254-BA2	—
Blank Panel, 4RU	[I] 49254-BP4	—	—
Composite Blank Panel / Cable Manager, 2RU	[L] C1253-2CM	—	—
TRANSITIONAL COVER			
Transitional Cover, 1RU	—	[M] 49254-BC1	[N] 4W254-BC1



# CABLE MANAGEMENT | Rings & Brackets



## ORU PATCH CORD MANAGER

- Mounts on side of Leviton 1RU flush-mount enclosures and flat or angled panels
- Rigid fingers with cable retention feature to organize and protect cords

## HINGED WALL-MOUNT BRACKETS

- Designed for installations where space is constrained and racks are not used
- Six-inch deep brackets allow for proper cable management

## CABLE MANAGEMENT RINGS

- Vertical Management Rings are an open ring solution that can be installed in tight spaces and smaller deployments
- Mounting Tie Bracket allows rings to be positioned between racks
- Vertical Transition Rings are used for vertical and horizontal cable management and are compatible with flat and angled panels

## FRONT HINGED BRACKET

- Simplifies process of terminating cables to rear of patch panels when access is limited
- Easy-access quick-release latches drop to 90-degree and 120-degree positions
- Rack or wall mountable

### ORU PATCH CORD MANAGER

DESCRIPTION	PART NO.
[A] ORU Patch Cord Manager (set of 2)	5RCMT-VFG

### CABLE MANAGEMENT RINGS

[B] 3" Vertical Management Rings	49260-MR3
[C] 6" Vertical Management Rings	49260-MR6
[D] Mounting Tie Bracket	49261-BKT
[E] Vertical Transition Rings for Angled and Recessed-Angled Panels, 2RU	49262-HR1

### HINGED WALL-MOUNT BRACKETS

[F] Hinged Wall-Mount Bracket, 2RU, 6" depth	49251-W62
Hinged Wall-Mount Bracket, 3RU, 6" depth	49251-W63
Hinged Wall-Mount Bracket, 4RU, 6" depth	49251-W64

### FRONT HINGED BRACKET

[G] Front Hinged Bracket, 3RU	49400-FHB
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## VELCRO® BRAND TIE WRAPS

- Available in 5-, 8-, and 12-inch lengths (0.5-inch width)
- Slot helps secure fastening without overtightening
- All wraps come with 25 units per roll

Maroon products UL Listed for use in plenum or air handling spaces per National Electric Code (NEC) Section 300.

## VELCRO® BRAND WRAPS – BULK ROLLS

- Available in 15-, 75-, and 600-foot bulk rolls (0.5-inch width)
- Cut to desired length

## VELCRO® BRAND WRAPS – SOFTCINCH LITE ROLLS

- Thinner depth for smaller bundles
- Tear by hand for quick application
- Available in 75-foot roll (0.5-inch width)

### VELCRO® BRAND CABLE FASTENERS

DESCRIPTION	BLACK	BLUE	YELLOW	ORANGE	MAROON (PLENUM RATED)
<b>[A]</b> Tie Wrap, 5" (25 units per roll)	43105-005	—	—	—	—
<b>[B]</b> Tie Wrap, 8" (25 units per roll)	43108-008	—	—	—	—
<b>[C]</b> Tie Wrap, 12" (25 units per roll)	43112-012	—	—	—	—
<b>[D]</b> Bulk Roll, 15'	43115-015	—	—	—	—
<b>[E]</b> Bulk Roll, 75'	43115-075	43115-75L	43115-75Y	43115-75O	43115-75P
<b>[F]</b> Bulk Roll, 600'	43115-600	—	—	—	—
<b>[G]</b> SoftCinch Lite Roll, 75'	4S115-75E	—	—	—	—



VELCRO® BRAND

CABLE MANAGEMENT



Available in 11.75" and 24" diameters

A

## VELCRO® BRAND STORAGE RINGS

- For inside and outside plant ensure copper and fiber optic bend radius; loops included

VELCRO® BRAND STORAGE RINGS	
DESCRIPTION	PART NO.
[A] Storage Rings, inside plant, 11.75" diameter	48900-IFR
Storage Rings, outside plant, 24" diameter	48900-OFR

VELCRO® BRAND  
CABLE MANAGEMENT

### SPOTLIGHT

### Cincinnati Bell Technology Solutions (CBTS) Scores with Comprehensive Data Center Services



CBTS counts several hundred Cincinnati-area businesses, from small shops to Fortune 500 companies, among its customers. And with a constant demand for colocation and virtual data center services, CBTS required a top-quality infrastructure to achieve the reliability needed for expanding its critical data center environment. After evaluating several options, CBTS chose Leviton connectivity for its quality, reliability, and outstanding performance. Plus, in addition to meeting needs, Leviton took it one step further by developing its custom solutions for unique data center applications.



## ZONE ENCLOSURES

- Provide flexible consolidation points in ceiling or floor
- Simplify moves, adds, and changes (MACs)
- Plenum rated and includes fire-rated foam sealing kits
- Significant reduction in cable pathway loading
- Use as a telecom enclosure (TE) for cabling flexibility

## 2' X 2' PASSIVE RAISED-FLOOR ENCLOSURES

- Fit in air-handling space under 8-inch raised floors
- House two 4RU (8RU total) racks for standard 19-inch components
- Rotating patch panel mounting provides easy access to rear of panels

## CEILING ENCLOSURES

- Install flush with drop ceiling
- Fully hinged drop-down doors support installed equipment and open to face technician
- Active and passive styles available
- Mount into standard 2' x 2' and 2' x 4' ceiling tiles
- Active enclosures include AC power back box and venting for active equipment

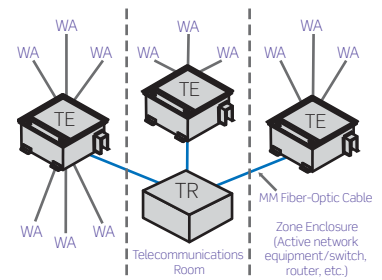
ZONE ENCLOSURES	
DESCRIPTION	PART NO.
<b>[A]</b> Active Ceiling Enclosure, 2' x 2', 2RU active and 5RU passive space	Z1000-AC2
<b>[B]</b> Active Ceiling Enclosure, 2' x 4', 4RU active and 10RU passive space	Z1000-AC4
<b>[C]</b> Passive Raised-Floor Enclosure, 8" depth, 8RU passive space	Z1000-PF2
<b>[D]</b> Passive Ceiling Enclosure, 2' x 2', 5RU passive space	Z1000-PC2

## SPOTLIGHT

### Zone Cabling Design Benefits

In a **zone cabling design**, cables are routed from the telecommunications room (TR) to appropriately placed telecommunications enclosures (TE) to each work area (WA). In an Active Zone Enclosure System, a single fiber run can support dozens of work areas, significantly reducing cable pathway loading and TR space requirements. Zone cabling designs are ideal for open office architecture. Zone cabling benefits include:

- Maximum infrastructure flexibility
- Improved network performance
- Simplified moves, adds, and changes
- Reduced floor space usage
- Significantly reduced cost of ownership







SMARTPATCH™  
INFRASTRUCTURE MANAGEMENT SOLUTIONS





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## SECTION F CONTENTS

SMARTPATCH™	<b>F3</b>	Introduction
INFRASTRUCTURE	<b>F4</b>	Software
MANAGEMENT	<b>F7</b>	System Components
SOLUTIONS	<b>F8</b>	Accessories

# SMARTPATCH

## INFRASTRUCTURE MANAGEMENT SOLUTIONS

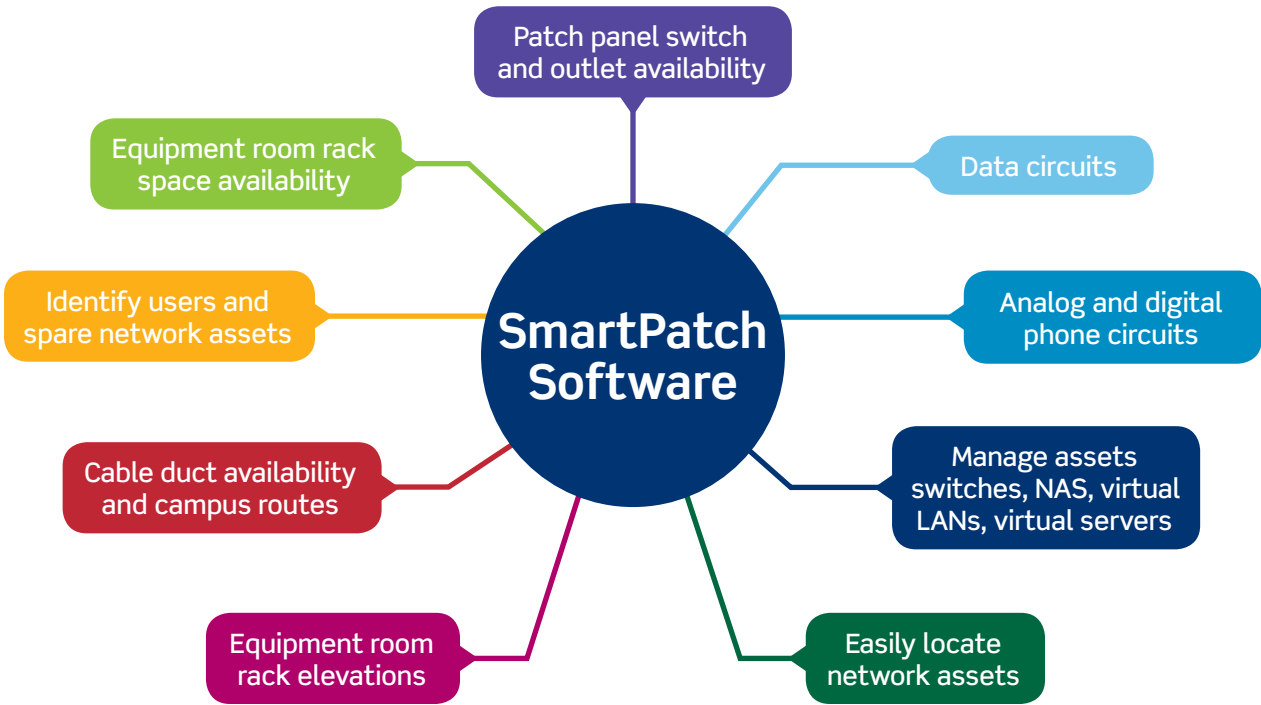


At the core of any IT Service Management framework are processes for configuration, change, and incident management. It is vital to maintain accurate and timely information to ensure the effectiveness and quality of these efforts.

SmartPatch provides simple and controlled management and recording of common network changes, such as those resulting from office moves, adds, and changes. The system also provides multisite businesses the tools to effectively monitor and manage all sites from a central location.

SmartPatch is widely recognized for the many benefits it delivers:

- Robust network management services
- Reduced cost and increased effectiveness of IT operations
- A platform for high availability
- Improved customer responsiveness
- Improved information quality
- Enhanced physical security



**SMARTPATCH SOFTWARE**

SmartPatch software can be used as a standalone offering to support your end-to-end infrastructure, or combined with the SmartPatch intelligent patching system to fully support data center, outside plant, or office network management. The software allows the monitoring and management of physical connectivity, and its fully transparent API means that real-time information can also be integrated into the most commonly available networks, facilities, configurations, and helpdesk management applications.

The software also allows IT managers to establish a named cable path from one part of the network to another. The user-friendly interface allows IT managers to quickly identify and inspect connections within splice enclosures, patch panels, optical network devices, and passive optic network (PON) splitters.

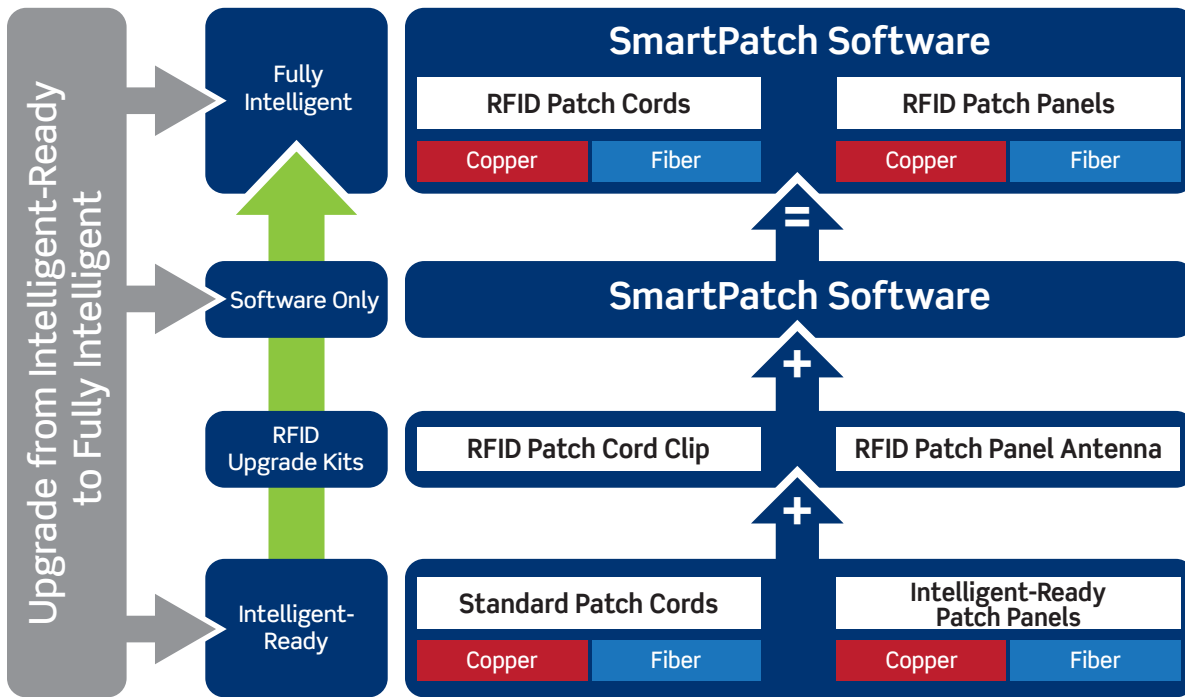
The named circuit can be managed as a single entity within the network, and can include point-to-point connectivity between the central office, NOC or POP, and a customer site. The software also allows maps, drawing files, PDFs, and images to be imported, ensuring you can customize the network relative to specific area and location requirements.

**The SmartPatch software interface allows you to:**

- Generate and maintain campus map layouts
- Design and manage your campus backbone cabling
- Visualize the paths of cables through a campus
- Easily manage fiber backbone availability
- Manage cabling and assets in maintenance holes
- Manage fiber splicing and air-blown fiber
- Generate routes for new cables

Software

SMARTPATCH



SmartPatch easily manages assets and connectivity from equipment rooms and data center floors to the workspace environment while also efficiently supporting the physical network, allowing users to:

- Manage end-user space in colocation data centers
- Manage and plan rack-space usage and power consumption
- Manage the lifecycle of data center assets
- Manage data center floor space
- Manage the impact of loss of power and network connectivity
- Manage moves, adds, and changes efficiently
- Data mine assets and connectivity for engineering and management reporting

**IN-HOUSE SOFTWARE & SOFTWARE AS A SERVICE (SAAS)**

- Software includes unrestricted user-defined attributes, reports, work orders, resources, 3D visualisation, and full access to the API
- Service contract required for first year for all in-house software installations
- Annual service contract is included with SaaS software installations

**SMARTPATCH SOFTWARE (IN-HOUSE)**

DESCRIPTION	PART NO.
SmartPatch In-House Software Solution - 30 racks	IPSSWSVR30R
SmartPatch In-House Software Upgrade 10 Racks Tier 1 (31-390 racks)	IPSSWSVRR10RT1
SmartPatch In-House Software Upgrade 10 Racks Tier 2 (391+ racks)	IPSSWSVR10RT2
SmartPatch In-House Software GIS Integration Bridge	IPSSWSVRGISI
SmartPatch In-House Software Data Integration Bridge	IPSSWSVRRDIB
SmartPatch In-House Software Switch Data Synchronization Bridge	IPSSWSVRSDIB
SmartPatch In-House Software Reporting Bridge	IPSSWSVRREP
SmartPatch In-House Software Hardware Integration Bridge (500 ports)	IPSSWSVRA5P
SmartPatch In-House Software Annual Service Contract	IPSSWSVRS AE-1Y

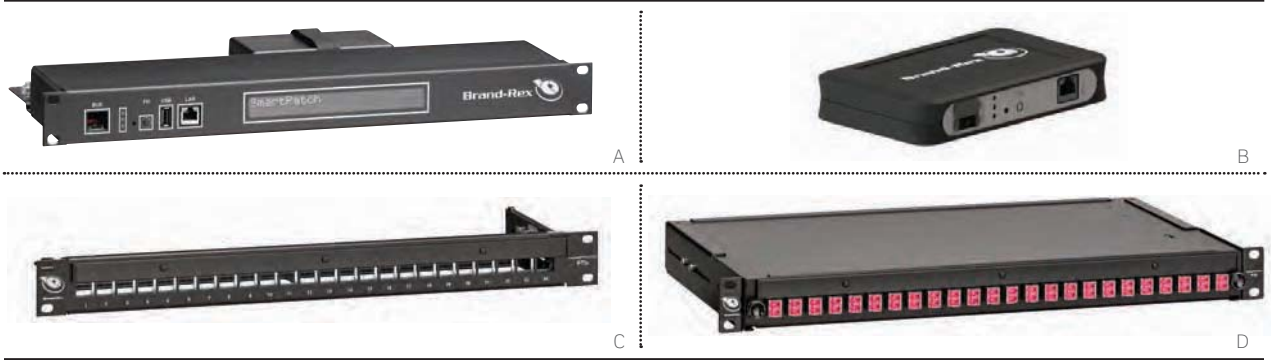
**SMARTPATCH SOFTWARE (SAAS)**

DESCRIPTION	PART NO.
SmartPatch SaaS Software Solution - 30 racks	IPSSWSVR30R-CA
SmartPatch SaaS Software Upgrade 10 Racks Tier 1 (31-390 racks)	IPSSWSVRR10RT1-CA
SmartPatch SaaS Software Upgrade 10 Racks Tier 2 (391+ racks)	IPSSWSVR10RT2-CA
SmartPatch SaaS Software GIS Integration Bridge	IPSSWSVRGISI-CA
SmartPatch SaaS Software Data Integration Bridge	IPSSWSVRRDIB-CA
SmartPatch SaaS Software Switch Data Synchronization Bridge	IPSSWSVRSDIB-CA
SmartPatch SaaS Software Reporting Bridge	IPSSWSVRREP-CA
SmartPatch SaaS Software Hardware Integration Bridge (500 ports)	IPSSWSVRA5P-CA

SMARTPATCH  
Software



# SMARTPATCH™ | System Components



## SMARTPATCH NETWORK SCANNERS

- Connects the intelligent patching panels to the SmartPatch software
- Can be mounted as a 1RU device or in a zero RU configuration

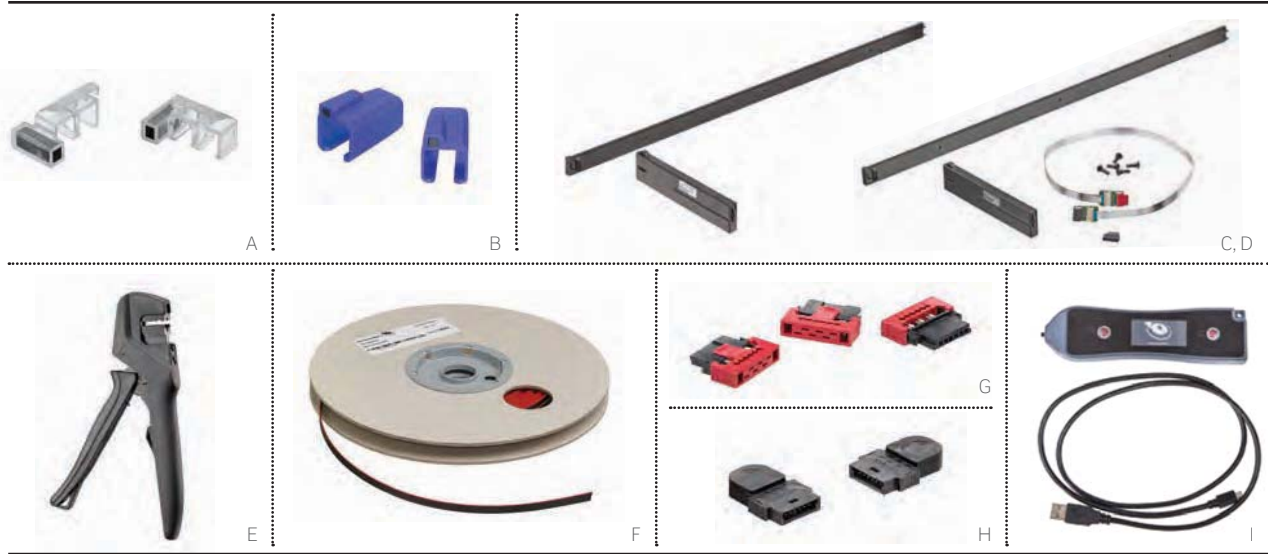
## SMARTPATCH COPPER PATCH PANELS

- 24 ports in 1RU
- Available with RFID antenna strip included or as an intelligent-ready panel without the antenna
- LED lights above each port trace connectivity and offer patching guidance
- Includes integrated cable management

## SMARTPATCH FIBER PANELS

- 48 fibers (24 duplex LC ports) in 1RU
- Flexible, versatile solution for optical splicing and patching
- Available with RFID antenna strip included or as an intelligent-ready panel without the antenna
- LED lights above each port trace connectivity and offer patching guidance

SMARTPATCH SCANNERS		
DESCRIPTION	PART NO.	
<b>[A]</b> 1RU Network Scanner, black	IPSRTU1U2	
<b>[B]</b> Zero RU Network Scanner, black	IPSRTU0U2	
SMARTPATCH PANELS		
DESCRIPTION	INTELLIGENT	INTELLIGENT-READY
<b>[C]</b> 1RU 24-Port Copper Panel, black	IPSPNLX24SIJ2M	IPSPNLX24SIJ2M-X
<b>[D]</b> 1RU 48-Fiber LC Duplex Multimode Fiber Panel, black	IPSC1SXMM48LC2	IPSC1SXMM48LC2-X
1RU 48-Fiber LC Duplex Single-Mode Fiber Panel, black	IPSC1SXSM48LC2	IPSC1SXSM48LC2-X



### SMARTPATCH RFID CLIPS

- Field retrofittable, even when patch cord is connected to a port
- RFID Clips sold individually (one required for each end of patch cord)
- Attribute information about the patch cord may be programmed (e.g. length and color of patch cord)
- RJ-45 clips are compatible with Cat 6A and 6 S/FTP copper patch cords
- LC clips are compatible with LC-style optical fiber patch cords

### SMARTPATCH ANTENNA KITS

- Allows migration from intelligent-ready panels to fully intelligent panels
- Kits include clip-on 24 LED RFID antenna strip, RFID module, and bus cable connector

#### SMARTPATCH RFID PATCH CORD CLIPS & ANTENNAS

DESCRIPTION	PART NO.
<b>[A]</b> RFID LC Fibre Patch Cord Clip, clear, individual clip (one required for each cord end)	IPSPCCLPLCD
<b>[B]</b> RFID RJ-45 Copper Patch Cord Clip, blue, individual clip (one required for each cord end)	IPSPCCHB004
<b>[C]</b> RFID Copper Antenna Kit, black	IPSATTRFID001
<b>[D]</b> RFID Fiber Antenna Kit, black	IPSATTRFID002

#### SMARTPATCH BUS CABLE SYSTEM & TOOLS

<b>[E]</b> Bus Connector Crimp Tool	IPSCRT00L2
<b>[F]</b> Bus Ribbon Cable (26 AWG 7/0.14mm 1.27mm pitch 6 way), black and red	IPSTCBL6W2
<b>[G]</b> Inline Crimp Bus Cable Connector (female), black	IPSCON6WW90
<b>[H]</b> Bus End Terminator (male with resistor), black	IPSCON6W180
<b>[I]</b> RFID Bluetooth Reader/Writer	IPSFDRW2



# MDU & HOSPITALITY SOLUTIONS

**LEVITON**® 47611-WG4



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## SECTION G CONTENTS

### MULTIPLE DWELLING UNITS (MDU) SYSTEMS STRUCTURED MEDIA™

- G3** Populating the Structured Media Center
- G5** Structured Media Centers
- G9** Concrete-Mountable & RF Transparent Structured Media Centers
- G10** Fiber-to-the-Home (FTTH) Solutions
- G11** Switches
- G12** Power Supplies & Surge Protection
- G13** Mounting Brackets & Patch Cords
- G15** Twist & Mount, TIDP & Compact Structured Media Panels
- G16** Standard Structured Media Panels
- G17** Modules & Expansion Boards
- G19** Video Distribution & Splitters
- G20** Tools



## POPULATING THE STRUCTURED MEDIA CENTER

### The Nerve Center of the Connected Home

For every residence — single-family home, high-rise, or hotel — Leviton offers an unparalleled selection of structured wiring solutions for networking, audio, video, and more. And we offer the ideal central distribution point to manage them all.

Populating the Structured Media Cent.

MDU & HOSPITALITY





## THE CONNECTED HOME

Get enterprise-grade, best-in-class broadband network performance capability with Leviton Structured Media components. These solutions are engineered to be an integrated system, providing an organized base and simplifying installation from rough-in through line activation. For enclosure configuration assistance, go to [Leviton.com/homeconfig](http://Leviton.com/homeconfig).

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<b>1</b>	<b>Structured Media Centers</b>	These versatile enclosures allow you to manage and distribute a full range of voice, data networking, audio, and video wiring from one central location. We have enclosure solutions for every construction type: wood, steel frame, concrete, and cinder block construction, and an RF Transparent Enclosure for expanding the reach of a wireless network.
<b>2</b>	<b>Data Patching and Distribution</b>	Leviton offers durable Cat 6 and 5e panels and modules for data cable distribution. The high-end Twist & Mount Panel makes installation simple and provides easy access for moves, adds, or changes in the home network.
<b>3</b>	<b>Telephone Patching and Distribution</b>	Choose from a wide selection of telephone distribution boards, modules, or panels for telephone and security systems. Our Telephone Input Distribution Panel (TIDP) supports inputs for use with “triple-play” modems and complements the look and simplicity of our Twist & Mount Patch Panels.
<b>4</b>	<b>Premium and Passive CATV Splitters</b>	Distribute the incoming RF signal to locations throughout a home via coaxial cable using Leviton passive CATV splitters, or use premium splitters to optimize the performance of digital cable signals to handle HDTV.
<b>5</b>	<b>Switches</b>	Leviton offers a complete Gigabit solution with high-speed switches. Create a Local Area Network (LAN) in the home or office to network PCs, printers, and other connected devices.
<b>6</b>	<b>High-Flex Patch Cords</b>	Ultra High-Flex Patch Cords allow for tighter radius connections and a cleaner finished appearance inside a dressed Structured Media Enclosure.
<b>7</b>	<b>ISP Modem (provided by service provider)</b>	The modem converts DSL, cable, or fiber optic signals for Internet access for triple-play service or pure data connections.
<b>8</b>	<b>Integrated Power Supply</b>	Structured cabling systems rely on active gear that requires low-voltage power and surge protection. Leviton offers power supplies with extra plugs that eliminate the need for bulky power adapters within enclosures.

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Leviton Structured Media Centers provide a convenient termination location for wiring home runs from wall outlets, creating a distribution point for voice, data, audio, and video applications. Available in compact, 14-, 21-, 28-, 30-, and 42-inch sizes to address a broad range of capacities for single-family homes, MDUs, and light commercial applications, Leviton Structured Media Centers support new and retrofit installations.

## STRUCTURED MEDIA CENTERS, COVERS & DOORS (A-F)

- Enclosures are constructed of white, powder-coated 20-gauge steel
- Covers and doors are constructed of white, powder-coated 18-gauge steel, and feature 3/4-inch overlap to hide irregular drywall cuts
- Modules mount vertically or horizontally
- Multiple knock-outs on top and bottom facilitate cable entry and routing
- Knockout in base of enclosure accommodates single- and double-gang J-boxes and power modules
- Six 3-inch self-healing foam grommets included to accommodate and protect cable bundles
- Can be surface mounted or recessed
- Mounting tabs on housing sidewalls prevent enclosure from falling through the studs during installation
- Combine two or more enclosures for larger installations or future expansion
- Optional lock and key set available for additional security
- Standards compliance: ACA and cULus Listed:
  - ANSI/UL 1863 — Communication Circuit Accessories
  - ANSI/UL 985 — Household Fire-Warning System Units
  - ANSI/UL 1023 — Household Burglar-Alarm System Units

## 14" & 21" ENCLOSURES, COVERS & DOORS

- Entry-level home network enclosures create a central distribution point for low-voltage cabling
- Ideal for apartments, condos, and smaller homes
- 14" enclosure accommodates basic residential networking systems and accessories
- 21" enclosure provides additional room for larger modules and equipment

## COMPACT STRUCTURED MEDIA MDU ENCLOSURES (G-I)

- Economical solution for MDU connectivity
- Flexibility to accommodate a variety of telephone/video distribution configurations
- Snap-on cover requires no tools or fasteners
- Molded-in brackets provide quick snap-in convenience for expansion boards
- Angled video-splitter shelf for easy installation
- Hosts three expansion boards and one TV splitter
- Constructed of sturdy white ABS molded plastic

14" STRUCTURED MEDIA ENCLOSURES, COVERS & DOORS	
DESCRIPTION	PART NO.
14" Enclosure and Flush-Mount Cover, 15.32" (389.1 mm) H x 15.62" (396.7 mm) W x 3.83" (97.3 mm) D	47605-140
<b>[A]</b> 14" Enclosure, 14.0" (355.6 mm) H x 14.38" (365.3 mm) W x 3.63" (92.2 mm) D	47605-14E
14" Multi-Dwelling Unit Configuration A, enclosure and flush-mount cover, 15.32" (389.1 mm) H x 15.62" (396.7 mm) W x 3.83" (97.3 mm) D (see page G8 for knock-out configurations)	47605-1MG
<b>[B]</b> 14" Flush-Mount Cover, 15.32" (389.1 mm) H x 15.62" (396.7 mm) W x 0.20" (5.1 mm) D	47605-14C
<b>[C]</b> 14" Economy Hinged Door, 15.32" (389.1 mm) H x 15.62" (396.7 mm) W x 0.25" (6.4 mm) D	47605-14D
14" Premium Vented Hinged Door, 15.32" (389.1 mm) H x 15.62" (396.7 mm) W x 0.25" (6.4 mm) D	47605-14S
14" Enclosure, job packed, 6 per pack, 14.0" (355.6 mm) H x 14.38" (365.3 mm) W x 3.63" (92.2 mm) D	47605-14G
14" Flush-Mount Cover, job packed, 6 per pack, 15.32" (389.1 mm) H x 15.62" (396.7 mm) W x 0.20" (5.1 mm) D	47605-14B
14" Ceiling-Mount Kit, .75" (19 mm) H x 23.68" (601.5 mm) W x 23.68" (601.5 mm) D	47612-CMK
Structured Media Enclosure Lock & Key for 14", 21", 28", 30", and 42" hinged doors	5L000-LOK
21" STRUCTURED MEDIA ENCLOSURES, COVERS & DOORS	
<b>[D]</b> 21" Enclosure, 21.0" (533.4 mm) H x 14.38" (365.3 mm) W x 3.63" (92.2 mm) D	47605-21E
<b>[E]</b> 21" Flush-Mount Cover, 22.35" (567.7 mm) H x 15.62" (396.7 mm) W x 0.20" (5.1 mm) D	47605-21C
<b>[F]</b> 21" Premium Vented Hinged Door, 22.35" (567.7 mm) H x 15.62" (396.7 mm) W x 0.25" (6.4 mm) D	47605-21S
Structured Media Enclosure Lock & Key for 14", 21", 28", 30", and 42" hinged doors	5L000-LOK
COMPACT STRUCTURED MEDIA MDU ENCLOSURES	
<b>[G]</b> Compact Structured Media Enclosure and Cover, empty, 8.02" (203.7 mm) H x 14.38" (365.2 mm) W x 3.71" (94.2 mm) D	47605-MDU
Compact Structured Media Enclosure Cover Only, 15.375" (390.5 mm) H x 9" (228.6 mm) W x .5" (12.7 mm) D	47605-MDC
<b>[H]</b> MDU Kit (compact Structured Media Enclosure and Cover plus 1x6 Telephone Expansion Board), 8.02" (203.7 mm) H x 14.38" (365.2 mm) W x 3.71" (94.2 mm) D	47604-0F6
<b>[I]</b> MDU Kit (compact Structured Media Enclosure and Cover plus 1x6 Telephone Expansion Board and 6-Way 2 GHz Splitter), 8.02" (203.7 mm) H x 14.38" (365.2 mm) W x 3.71" (94.2 mm) D	47604-F6S



A



B



C



D



E



F

## 28" & 42" ENCLOSURES, COVERS & DOORS

- Command central for virtually all technology, including networking, DSL, cable Internet modem, satellite video, security, VoIP, fax, telephone, intercom, and audio
- Available in MDU and mixed-use configurations
- 28" enclosure accommodates up to 8 distribution modules
- 42" enclosure accommodates up to 12 distribution modules

### SPOTLIGHT

### Choosing Your Structured Media Enclosure Cover or Door



#### Flush-Mount Cover

Screws directly to enclosure frame.



#### Economy Hinged Door

Hinged flange attaches to left or right side of enclosure.



#### Premium Vented Hinged Door

Full-frame design. Ventilated door hinges from left or right.

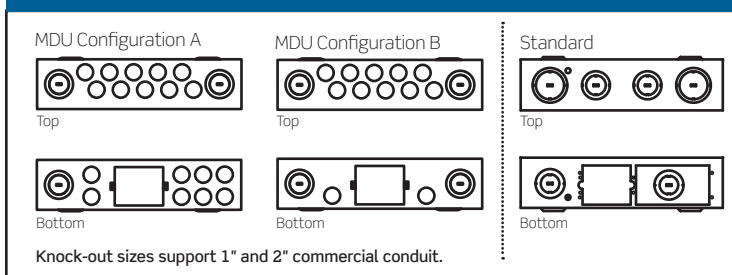
## 28" STRUCTURED MEDIA ENCLOSURES, COVERS & DOORS

DESCRIPTION	PART NO.
28" Enclosure and Flush-Mount Cover, 29.32" (744.7 mm) H x 15.62" (396.7 mm) W x 3.83" (97.3 mm) D	47605-28W
<b>[A]</b> 28" Enclosure, 28.0" (711.2 mm) H x 14.38" (365.3 mm) W x 3.63" (92.2 mm) D	47605-28N
28" Multi-Dwelling Unit Configuration A, Enclosure and Flush-Mount Cover, 29.32" (744.7 mm) H x 15.62" (396.7 mm) W x 3.83" (97.3 mm) D*	47605-2MG
28" Multi-Dwelling Unit Configuration B, Enclosure only, 28.0" (711.2 mm) H x 14.38" (365.3 mm) W x 3.63" (92.2 mm) D*	47605-M28
28" Flush-Mount Cover, 29.32" (744.7 mm) H x 15.62" (396.7 mm) W x 0.20" (5.1 mm) D	47605-F28
28" Economy Hinged Door, 29.32" (744.7 mm) H x 15.62" (396.7 mm) W x 0.25" (6.4 mm) D	47605-28D
<b>[B]</b> 28" Premium Vented Hinged Door, 29.32" (744.7 mm) H x 15.62" (396.7 mm) W x 0.25" (6.4 mm) D	47605-28S
28" Enclosure, job packed, 3 per pack, 28.0" (711.2 mm) H x 14.38" (365.3 mm) W x 3.63" (92.2 mm) D	47605-28G
28" Flush-Mount Cover only, job packed, 3 per pack, 29.32" (744.7 mm) H x 15.62" (396.7 mm) W x 0.20" (5.1 mm) D	47605-28B
<b>[C]</b> Extender Bracket, 2" depth extension package for 28" Structured Media Enclosures**	47612-28B
Structured Media Enclosure Lock & Key for 14", 21", 28", 30", and 42" Hinged Doors	5L000-L0K

## 42" STRUCTURED MEDIA ENCLOSURES, COVERS & DOORS

42" Enclosure and Flush-Mount Cover, 43.32" (1,100.3 mm) H x 15.62" (396.7 mm) W x 3.83" (97.3 mm) D	47605-42W
<b>[D]</b> 42" Enclosure, 42.16" (1,070.8 mm) H x 14.38" (365.3 mm) W x 3.63" (92.2 mm) D	47605-42N
42" Multi-Dwelling Unit Configuration A, Enclosure and Flush-Mount Cover, 43.32" (1,100.3 mm) H x 15.62" (396.7 mm) W x 3.83" (97.3 mm) D*	47605-4MG
42" Multi-Dwelling Unit Configuration B, Enclosure only, 42.16" (1,070.8 mm) H x 14.38" (365.3 mm) W x 3.63" (92.2 mm) D*	47605-M42
<b>[E]</b> 42" Flush-Mount Cover, 43.32" (1,100.3 mm) H x 15.62" (396.7 mm) W x 0.20" (5.1 mm) D	47605-F42
42" Economy Hinged Door, 43.32" (1,100.3 mm) H x 15.62" (396.7 mm) W x 0.25" (6.4 mm) D	47605-42D
<b>[F]</b> 42" Premium Vented Hinged Door, 43.32" (1,100.3 mm) H x 15.62" (396.7 mm) W x 0.25" (6.4 mm) D	47605-42S
<b>[G]</b> Extender Bracket, 2" depth extension package for 42" Structured Media Enclosures**	47612-42B
Structured Media Enclosure Lock & Key for 14", 21", 28", 30", and 42" Hinged Doors	5L000-L0K

### \*STRUCTURED MEDIA ENCLOSURE END CAPS



**Leviton Extender Brackets** provide an additional 2 inches of depth and enhanced ventilation for active gear within Leviton 28" and 42" Structured Media Enclosures. The brackets attach between the enclosure and the cover to form a 2-inch deep, vented frame. The increased depth also allows space for better cable management and for larger modules, such as audio amplifiers, to be mounted within the Structured Media Enclosure.

\*\*Extender Bracket (enclosure sold separately)





# MDU & HOSPITALITY | Concrete-Mountable & RF Transparent Structured Media™ Centers



A



B



C

## CONCRETE-MOUNTABLE STRUCTURED MEDIA CENTERS

- Designed to withstand added weight during concrete pouring
- Moisture-resistant powder coating binds with treated steel to provide multiple levels of corrosion protection and durability
- Knockouts on the top and bottom support conduit up to 1.5 inches in diameter and facilitate cable routing and entry
- Power knock-out located on side panel for increased vertical cable routing capacity
- Optional duplex receptacle power box constructed using same steel as enclosures for protection of electrical wiring components
- Flush-mount covers and doors overlap  $\frac{3}{4}$  of an inch to hide uneven concrete/mortar finishing (sold separately); see covered doors on pages H5-H8
- Durable powder coating withstands  $\frac{1}{8}$ -inch dent test (per ASTM D 522-93A standard) and minimizes scratching, cracking, or peeling during shipping or installation

## CONCRETE-MOUNTABLE STRUCTURED MEDIA ENCLOSURES

DESCRIPTION	PART NO.
Concrete-Mountable Structured Media Enclosure, 21"	48605-21E
<b>[A]</b> Concrete-Mountable Structured Media Enclosure, 28"	48605-28E
Concrete-Mountable Structured Media Enclosure, 42"	48605-42E
<b>[B]</b> Concrete-Mountable Structured Media Duplex Receptacle Power Box	48605-2GP

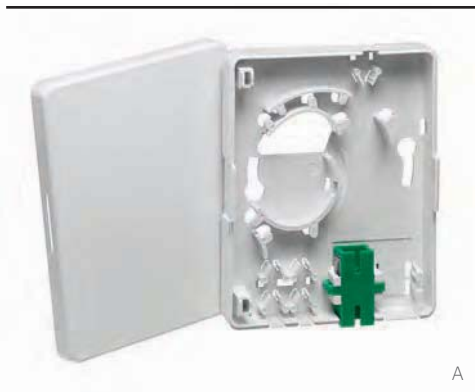
## RF TRANSPARENT WIRELESS STRUCTURED MEDIA CENTER

- Expands the reach of wireless signals by diminishing the effect of interference with the ABS polymer construction
- Improves system access with a 180-degree hinged cover, allowing for quick and easy access to network equipment
- Makes servicing and expansion easy with twelve 1-inch entry/exit ports and additional  $\frac{1}{4}$ -inch knock-outs and conduit adapters
- Compatible with most Structured Media patch panels, voice, data, video, and audio quick-connect distribution modules
- Ensures safety with UL Compliant, ABS flame-retardant polymer
- Vented doors allow for better airflow and cooling of active equipment
- Accepts Structured Media Enclosure Lock & Key Set

## RF TRANSPARENT STRUCTURED MEDIA ENCLOSURE

DESCRIPTION	PART NO.
<b>[C]</b> RF Transparent Wireless Structured Media Enclosure with Vented Hinged Door, 30"	49605-30W

This integrated network system delivers a seamless experience that combines the wired performance of Gigabit Ethernet with the mobile-ready convenience of Wi-Fi™ networking inside an innovative RF Transparent Structure Media Enclosure.



## FTTH POINT OF ENTRY BOX

- Provides convenient staging for terminating incoming fiber from service provider
- Can mount inside the Structured Media™ enclosure or as a stand-alone unit on a wall
- Includes magnet for easy installation and place adjustments
- Includes an SC/APC adapter with two dust caps and two splice sleeves
- Made of ABS plastic



## MULTI-BAY FTTH ENCLOSURES

Multi-Bay Enclosures provide excellent termination and mounting locations for both in-home structured wiring and fiber-to-the-home (FTTH) components. Structured wiring components typically mount in the upper section of the dual enclosure, and optical network termination (ONT) mounts in the lower section. The dual enclosure can be surface mounted or mounted between metal or wood wall studs using provided screws.

- Allow separate lockable sections for FTTH integration
- In a separate bay, a full Leviton structured wiring system can be easily connected and optimized up to gigabit speeds to maximize incoming fiber optic connection
- Ideal for new installations or retrofits
- Use multiple covers or doors to provide access and security
- Flush-mount cover, economy-, and premium-vented doors available

See pages G5-G8 for covers and doors.

FIBER-TO-THE-HOME SOLUTION	
DESCRIPTION	PART NO.
<b>[A]</b> FTTH Point-of-Entry Box, 3.94" (100 mm) H x 3.15" (80 mm) W x .84" (21 mm) D <sup>Δ</sup>	FTH00-00W
MULTI-BAY ENCLOSURES	
14" + 14" Dual Multi-Bay Enclosure, 29.64" (752.8 mm) H x 14.30" (363.2 mm) W x 3.63" (92.2 mm) D <sup>Δ</sup>	47FTH-440
<b>[B]</b> 28" + 14" Dual Multi-Bay Enclosure, 46.64" (1,184.6 mm) H x 14.30" (363.2 mm) W x 3.63" (92.2 mm) D <sup>Δ</sup>	47FTH-840
28" + 14" + 14" Triple Multi-Bay Enclosure, 59.22" (1,504.1 mm) H x 14.30" (363.2 mm) W x 3.63" (92.2 mm) D <sup>Δ</sup>	47FTH-844
42" + 14" Dual Multi-Bay Enclosure, 57.64" (1,464.1 mm) H x 14.30" (363.2 mm) W x 3.63" (92.2 mm) D <sup>Δ</sup>	47FTH-420
14" + 14" + 14" Triple Multi-Bay Enclosure, 45.22" (1,148 mm) H x 14.30" (363.2 mm) W x 3.63" (92.2 mm) D <sup>Δ</sup>	47FTH-240
<b>[C]</b> 28" + 28" Dual Multi-Bay Enclosure, 57.64" (1,464.1 mm) H x 14.30" (363.2 mm) W x 3.63" (92.2 mm) D <sup>Δ</sup>	47FTH-880

Δ = Minimum order quantity and lead times may apply.

Fiber-to-the-Home (FTTH) Solutions

MDU & HOSPITALITY



A



B

## GIGABIT ETHERNET SWITCH

- 10/100/1000 Mb/s data transfer rate
- Power button arrows for easy power down
- LEDs indicate power; LINK/Activity; and 10, 100, or 1,000 Mb/s
- Auto detect uplink to easily cascade additional hubs, switches, and routers from any port
- Features high-performance, store-and-forward switching architecture with CRC
- Available in eight-port version

## 100 MBPS ETHERNET SWITCH

- 10/100 Mb/s data transfer rate
- Network additional PCs, printers, and other peripherals beyond router capacity
- Connects to many home office Ethernet devices
- Available in five-port version

### DATA NETWORKING ROUTERS & SWITCHES

DESCRIPTION	PART NO.
[A] 100 Mbps 5-Port Ethernet Switch, 2.52" (64 mm) H x 6.50" (165.1 mm) W x 3.54" (89.9 mm) D	47611-5PT
[B] Gigabit 8-Port Ethernet Switch, 2.52" (64 mm) H x 6.50" (165.1 mm) W x 3.54" (89.9 mm) D	47611-8GB

### SPOTLIGHT

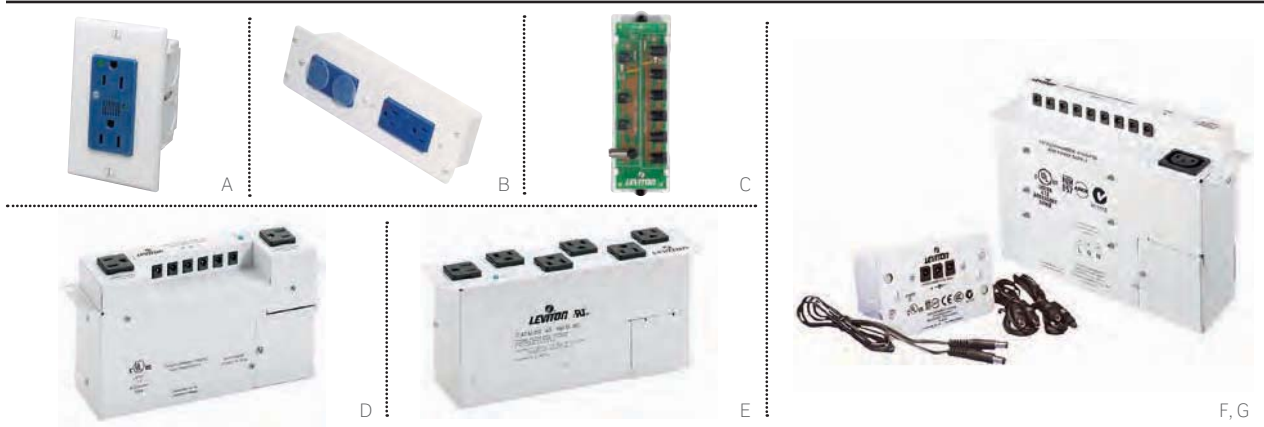
### New Installation How-To Videos



**Make your next Structured Media Center installation a breeze with a new series of helpful installation videos from Leviton.** You'll learn practical tips and best practices to ensure optimal performance of your Structured Media Center, including:

- How to install enclosures with flush mount covers or premium doors
- The best way to terminate EZ-RJ45 connectors
- What you need to know to install a J-Box kit
- Tips for installing and terminating Twist & Mount panels

You can watch these videos, along with many other useful how-tos, at [Leviton.com/ns/videos](http://Leviton.com/ns/videos).



## SURGE-PROTECTION, STANDARD AC POWER MODULES & J-BOX KITS

- Fit in standard 14"-, 21"-, 28"-, 30"- and 42"- Structured Media™ Enclosures
- Surge-protected versions provide enhanced protection and EMI/RFI filtering per UL 1449 standard

## DC BUS MODULE

- Eliminates need for more than two bulky AC/DC power adapters
- Contains six 12 VDC power outputs at up to 1500 mA total
- Contains three 24 VDC power outputs at up to 1000 mA total, including one F-connector
- Output power cables included for all except 24 VDC F-connector connection

## VERSATILE DC POWER SUPPLIES

- 120 VAC, 60 Hz input
- Includes NEMA 5-15 AC receptacles at 15A total
- Eliminates the need for multiple bulky AC/DC power adapters

## AC SURGE MODULES

- Includes six surge-protected NEMA 5-15P receptacles
- Allows six AC/DC power adapters to fit easily into Structured Media Enclosures
- Powers routers, switches, modems, volume controls, camera hubs, and other Structured Media mounted devices

## UNIVERSAL MINI DC POWER SUPPLIES

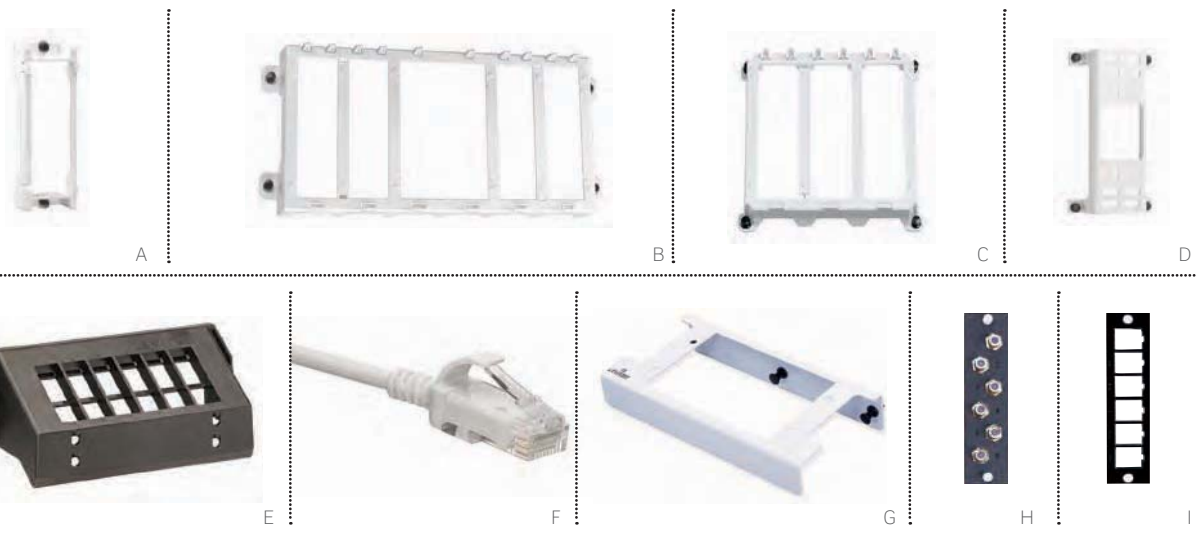
- 90 - 264 VAC, 50/60 Hz input
- Provides three 12 VDC outputs with surge protection at 833 mA total
- Eliminates the need for multiple bulky AC/DC power adapters

## UNIVERSAL DC POWER SUPPLIES

- 100 - 240 VAC, 50/60 Hz input
- Provides nine 12 VDC outputs with surge protection at 3.34A total
- Includes one IEC AC power receptacle
- Eliminates the need for multiple bulky AC/DC power adapters

## POWER SUPPLIES

DESCRIPTION	PART NO.
<b>[A]</b> Surge J-Box Kit, one duplex receptacle, wallplate	47605-ACS
Non-Surge J-Box Kit, one duplex receptacle, wallplate	47605-ACN
<b>[B]</b> Surge AC Power Module, two duplex receptacles	47605-ODP
Non-Surge AC Power Module, two duplex receptacles	47605-NDP
<b>[C]</b> DC Bus Module, 12 VDC and 24 VDC	48212-124
<b>[D]</b> Versatile Power Supply, six 12 VDC connectors and two NEMA 15A receptacles	47605-PSC
<b>[E]</b> AC Surge Module, six receptacles	48212-06S
<b>[F]</b> Universal Mini DC Power Supply, three 12 VDC connectors	47605-PSB
<b>[G]</b> Universal DC Power Supply, nine 12 VDC connectors and one IEC AC receptacle	47605-PSA
IEC TO NEMA 15A Adapter Power Cord, 12" (accessory for 47605-PSA)	48212-IEC



MOUNTING BRACKETS	
DESCRIPTION	PART NO.
[A] Single Plastic Bracket, for single expansion board, white	47612-SBK
[B] Standard (12" width) Expansion Plastic Bracket, for up to five expansion boards, white	47612-EBK
Shelf Plastic Bracket, for up to three expansion boards and CATV splitter, white	47612-VSB
[C] Compact (6" width) Expansion Plastic Bracket, for up to three expansion boards, white	47612-HBK
[D] Data Plastic Bracket, for mounting routers and switches	47612-DBK
[E] 12-Port QuickPort™ Mounting Bracket	47600-QPB

## MOUNTING BRACKETS

- Made of sturdy white ABS plastic
- Include push-lock pins
- Snap-in installation in any Leviton 14"-, 21"-, 28"-, 30", or 42"-Structured Media™ Center
- Allow for cable management via routing under bracket
- Twelve-port bracket made of black polycarbonate
- Twelve-port bracket accepts all QuickPort™ Jacks

EXTREME CAT 6 HIGH-FLEX PATCH CORD	
DESCRIPTION	PART NO.
[F] eXtreme Cat 6 High-Flex Patch Cord	6H460-xx*

xx = Length: 6" (6I), 1'-20" (01-20).  
See copper patch cords page A35 for a complete part number chart.  
\* = Colors: Choose from either of the colors below.



## EXTREME™ CAT 6 HIGH-FLEX PATCH CORDS

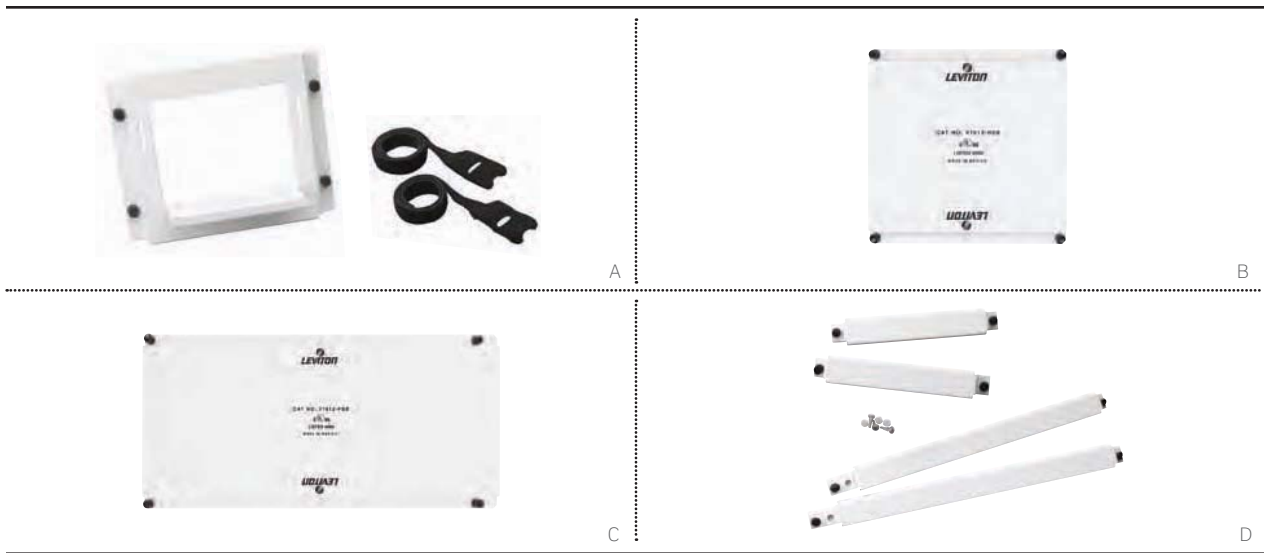
- Power over Ethernet (PoE and PoE+) compatible
- Bend radius is a narrow 0.60 inches, versus 1.0 inch for typical Cat 6 patch cords
- Snagless plug design with integrated strain-relief boot
- Dual-rated cable jacket (CM/LSZH)

MULTIMEDIA ADAPTER BRACKET & MOUNTING PLATES	
DESCRIPTION	PART NO.
[G] Multimedia Adapter Bracket	47612-MMA
[H] F-Connector Mounting Plate, 6-pack, loaded	5F100-6VF
[I] QuickPort Mounting Plate, 6-pack, unloaded	5F100-6QP

## MULTIMEDIA ADAPTER BRACKET & MOUNTING PLATES

- Bracket is constructed of white powder-coated steel
- Plates are constructed of black powder-coated steel
- Bracket includes push-lock pins for mounting in Structured Media Center





## UNIVERSAL SECURITY & SHELF BRACKETS

- **Universal Shelf Bracket** allows security batteries and other active products to be mounted inside any Structured Media™ Center
- **Universal Security Board Mounting Plate** includes four adhesive clips for mounting within any Leviton Structured Media Center
- **Universal Mounting Brackets** allow an unlimited number of upgrades (restricted only by enclosure size) to be added to an existing security system terminated within any Leviton Structured Media Center

UNIVERSAL SECURITY & SHELF BRACKETS	
DESCRIPTION	PART NO.
<b>[A]</b> Universal Shelf Bracket	47612-UBK
<b>[B]</b> Compact (6" width) Universal Security Board Mounting Plate	47612-HSB
<b>[C]</b> Standard (12" width) Universal Security Board Mounting Plate	47612-FSB
<b>[D]</b> Compact (6" width) Universal Mounting Bracket	47612-6SB
Standard (12" width) Universal Mounting Bracket	47612-1SB

## SPOTLIGHT

### Structured Media Enclosure Configurator Tool



**Need assistance designing a home network** that uses a Structured Media Center? Take advantage of our online tool for populating your enclosure. Just answer a series of short questions, and we will respond to you within one business day with a project bill of materials list, providing the exact solutions you need.

**Go to [Leviton.com/HomeConfig](http://Leviton.com/HomeConfig)**

# MDU & HOSPITALITY | Twist & Mount, TIDP & Compact Structured Media™ Panels



## TWIST & MOUNT PATCH PANELS

- Low-profile, high-density, component-rated patching for voice and gigabit ethernet connections
- Feature simple twist and mount installation
- Universal T568A and T568B wiring labels ensure compatibility in residential and commercial installations
- Available in 12- and 24-port versions

## TELEPHONE INPUT DISTRIBUTION PANELS (TIDP)

- Support four-line telephone distribution
- Offer choice of inputs and outputs: one 4-pair 110-style IDC input, four industry-standard RJ-11 connector inputs, or 12 modular industry-standard RJ-45 connector outputs
- Security jack for interface with security systems
- Test and auxiliary disconnect outlet (ADO) ports for isolation and testing of telephone line connections

### TWIST & MOUNT PANELS & TELEPHONE DISTRIBUTION PANELS

DESCRIPTION	PART NO.
Twist & Mount Patch Panel, 12 ports each of Cat 6 and Cat 5e (24 ports total)	476TM-654
<b>[A]</b> Twist & Mount Patch Panel, 24 ports of Cat 6	476TM-624
Twist & Mount Patch Panel, 24 ports of Cat 5e	476TM-524
Twist & Mount Patch Panel, 6 ports each of Cat 6 and Cat 5e (12 ports total)	476TM-652
Twist & Mount Patch Panel, 12 ports of Cat 6	476TM-612
<b>[B]</b> Twist & Mount Patch Panel, 12 ports of Cat 5e	476TM-512
<b>[C]</b> Telephone Input Distribution Panel (TIDP)	476TL-T12
Twist & Mount Expansion Board - 6 ports of Cat 6	476TM-EX6
Twist & Mount Expansion Board - 6 ports of Cat 5e	476TM-EX5

## PRE-CONFIGURED COMPACT STRUCTURED MEDIA PANELS

- Compact series (six-inch width) pre-configured panels are an ideal solution for basic telephone, data, security interface, and TV distribution in MDUs where space and budget are of primary concern
- Connections: four to nine bridged telephone, up to four Cat 5e data, and up to eight video

### PRE-CONFIGURED COMPACT STRUCTURED MEDIA PANELS — COMPACT WIDTH (6")

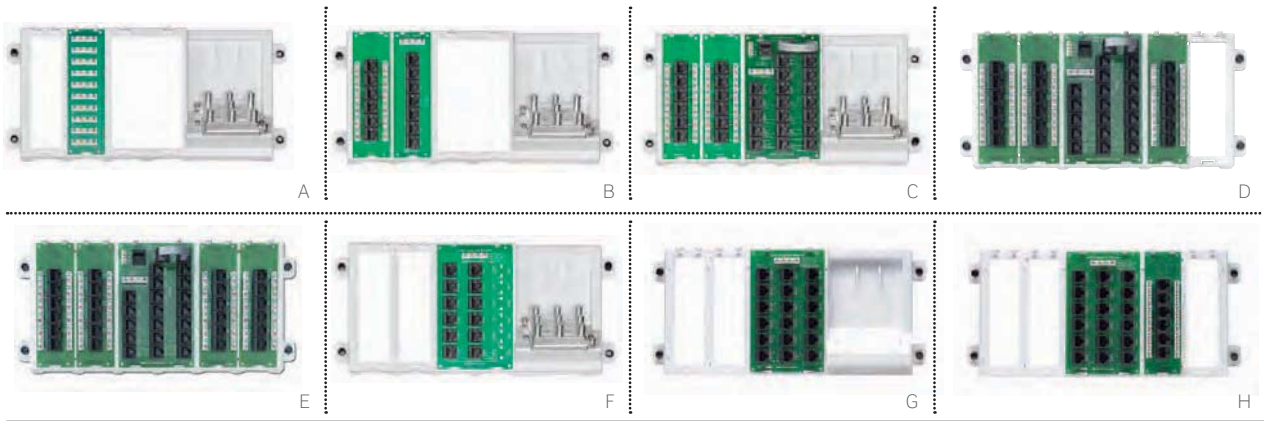
DESCRIPTION	PART NO.
<b>[D]</b> 1x9 Bridged Telephone and 6-Way 2 GHz TV Splitter	47603-2G6
1x9 Bridged Telephone and 8-Way 2 GHz TV Splitter	47603-2G8
<b>[E]</b> 1x4 Bridged Telephone, 4 Data, and 6-way 2 GHz TV Splitter	47603-DP6
1x7 Bridged Telephone, Security Interface, and 6-way 2 GHz TV Splitter	47603-TSV

## SPOTLIGHT Compact vs. Standard Structured Media Panels

**Compact Structured Media Panels** offer a space-saving profile that is half the size of standard panels, and is ideal when space and budget are a primary concern.

**Standard Structured Media Panels** combine multiple modules into a simple distribution point, and provide greater versatility when it comes time for customization or expanding.



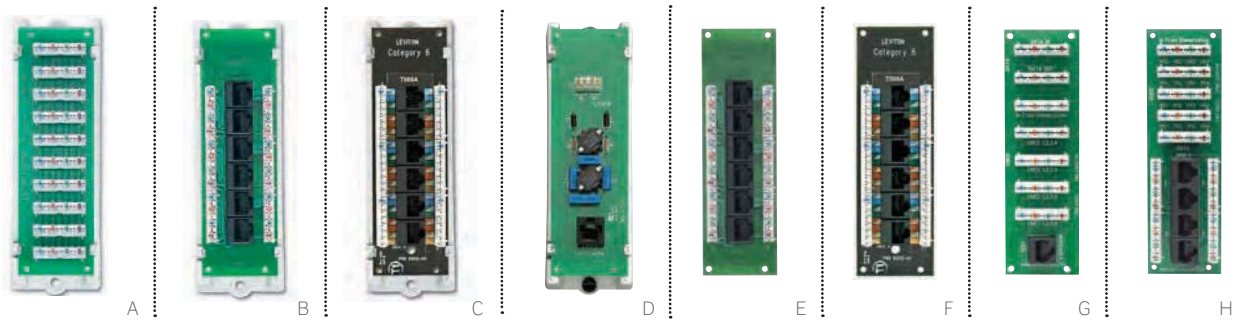


## PRE-CONFIGURED STANDARD STRUCTURED MEDIA PANELS

- Standard series (twelve-inch width) pre-configured panels combine voice, data, and TV modules into a single, simple distribution point
- Several pre-configured options are available with room for customization with additional expansion boards

PRE-CONFIGURED STANDARD STRUCTURED MEDIA PANELS		
DESCRIPTION	FEATURES	PART NO.
<b>[A]</b> Basic Telephone & Video Panel	- One 1x9 Bridged Telephone Board - One 6-way 2 GHz TV Splitter	47606-BTV
<b>[B]</b> Basic Home Networking Plus Panel	- One Telephone Patching Board - One Cat 5e Voice & Data Board - Six 4-line telephone connections - One 6-way 2 GHz TV Splitter	47606-BNP
Advanced Home Telephone & Video Panel	- One Telephone Line Distribution Board - 19 multi-line telephone connections (in various combinations of two or four lines) - One Cat 5e Voice & Data Board - One 6-way 2 GHz TV Splitter	47606-AHT
<b>[C]</b> Advanced Home Office Panel	- One Telephone Line Distribution Board - 19 multi-line telephone connections (in various combinations of two or four lines) - Two Cat 5e Voice & Data Boards - One 6-way 2 GHz TV Splitter	47606-ASO
12-Port Structured Media Panel	- One Telephone Line Distribution Board - 19 multi-line telephone connections (in various combinations of two or four lines) - Two Cat 5e Voice & Data Boards	47603-12P
<b>[D]</b> 18-Port Structured Media Panel	- One Telephone Line Distribution Board - 19 multi-line telephone connections (in various combinations of two or four lines) - Three Cat 5e Voice & Data Boards	47603-18P
<b>[E]</b> 24-Port Structured Media Panel	- One Telephone Line Distribution Board - 19 multi-line telephone connections (in various combinations of two or four lines) - Four Cat 5e Voice & Data Boards	47603-24P
4x12 Telephone Distribution Panel	- One 4x12 Telephone Distribution Board	47603-12M
<b>[F]</b> 4x12 Telephone Distribution Panel with Splitter	- One 4x12 Telephone Distribution Board - One 8-way 2 GHz TV Splitter	47603-412
<b>[G]</b> 4x18 Telephone Distribution Panel	- One 4x18 Telephone Distribution Board	47603-18M
<b>[H]</b> 4x18 Telephone Distribution Panel with Cat 5e Board	- One 4x18 Telephone Distribution Board - One Cat 5e Voice & Data Board	47603-8C1

# MDU & HOSPITALITY | Modules & Expansion Boards



MODULES			
DESCRIPTION			PART NO.
[A]	1x9 Bridged Telephone Module		47689-00B
[B]	Cat 5e Voice and Data Module		47605-C5B
[C]	Cat 6 Voice and Data Module		47611-C6B
[D]	DSL Filter Module		47616-DSB
	Telephone Security Module		47609-TSV
EXPANSION BOARDS			
DESCRIPTION	APPLICATION	FEATURES	PART NO.
[E]	Cat 5e Voice and Data Board	Data, Telephone, Fax, Modem	47603-0C5
[F]	Cat 6 Voice and Data Board	Data, Telephone, Fax, Modem	47611-0C6
[G]	VDSL Board with 1x5 Bridged Phone with Data Passthrough IDCs	Data, Telephone, Modem	47609-D5P
[H]	Combo Phone & Data Board with 1x4 Bridged Phone and 4-Port Cat 5e	Data, Telephone	47609-4DP

## SPOTLIGHT Panels, Modules, Boards: What's the difference?

**Pre-configured Structured Media™ Panels** include multiple expansion boards combining voice, data, and TV boards into a single distribution point.

**Modules** include an expansion board on a single ABS mounting bracket.

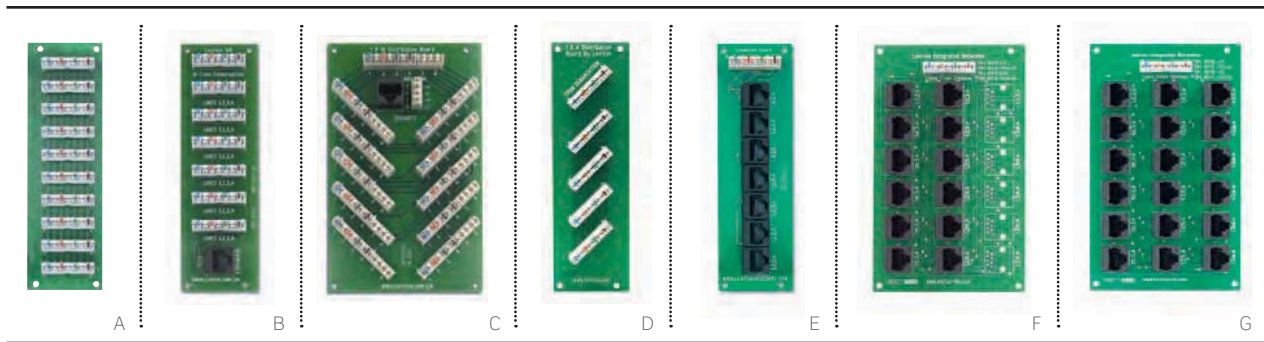
**Expansion Boards** mount in Structured Media Panels or Mounting Brackets (see page G13).



Pre-configured Structured Media Panels

Module

Expansion Board



EXPANSION BOARDS (CONTINUED)			
DESCRIPTION	APPLICATION	FEATURES	PART NO.
<b>[A]</b> 1x9 Bridged Telephone Board	Telephone, Fax, Modem	<ul style="list-style-type: none"> <li>- Bridge up to four telephone lines to nine locations</li> <li>- Connect up to nine separate telephones per line</li> <li>- Printed circuit board</li> <li>- 4-pair 110-type IDC punchdowns</li> </ul>	47603-110
<b>[B]</b> 1x6 Bridged Telephone Board	Telephone, Fax, Modem	<ul style="list-style-type: none"> <li>- Bridge up to four telephone lines to six locations</li> <li>- Connect up to six separate telephones per line</li> <li>- Printed circuit board</li> <li>- IDC connectors for Cat 5, 5e, or 6 wire</li> <li>- RJ-45 expansion port</li> </ul>	47609-0F6
<b>[C]</b> 1x10 Bridged Telephone Board	Telephone, Fax, Modem	<ul style="list-style-type: none"> <li>- Bridge up to six telephone lines to 10 locations</li> <li>- Connect up to 10 separate telephones per line</li> <li>- Printed circuit board</li> <li>- IDC connectors for Cat 5, 5e, or 6 wire</li> <li>- Security port</li> <li>- Punchdown security interface to accommodate alarm systems</li> </ul>	47609-S10
<b>[D]</b> 1x4 Bridged Telephone Board	Telephone, Fax, Modem	<ul style="list-style-type: none"> <li>- Bridge up to four lines to four locations via IDC punchdowns</li> </ul>	47609-004
<b>[E]</b> Telephone Patching Board/ Expanded 4-line Telephone Distribution	Telephone, Fax, Modem	<ul style="list-style-type: none"> <li>- Bridge up to four telephone lines to seven locations</li> <li>- Printed circuit board module</li> <li>- One incoming 4-pair 110-type IDC punchdown</li> <li>- Seven outgoing RJ-45 connector connections</li> <li>- Combine with a Cat 5e or 6 board to route telephone to remote locations</li> </ul>	47609-EMP
DSL Filter Board	Telephone, Modem	<ul style="list-style-type: none"> <li>- Filters DSL signal from phone line before distribution throughout home or office</li> <li>- Eliminates need for individual filters at wallplate</li> <li>- Use with any phone distribution module</li> <li>- Printed circuit board module with RJ-45 connector and 110-type punchdown</li> </ul>	47616-DSF
Telephone Line Distribution Board	Telephone, Fax, Modem	<ul style="list-style-type: none"> <li>- 19 multi-line telephone connections in combinations of two or four lines</li> <li>- Bridge "line 1" service to 12 locations and four-line service to eight locations</li> <li>- Connect to Cat 5e voice &amp; data board(s) or additional panels for more connections and easier moves/adds/changes</li> <li>- Independent RJ-45 connector and punchdown security interface to accommodate alarm systems</li> </ul>	47603-TDM
<b>[F]</b> 4x12 Telephone Distribution Board	Telephone, Fax	<ul style="list-style-type: none"> <li>- Bridge up to four telephone lines to 12 locations</li> </ul>	47603-12B
<b>[G]</b> 4x18 Telephone Distribution Board	Telephone, Fax	<ul style="list-style-type: none"> <li>- Bridge up to four telephone lines to 18 locations</li> </ul>	47603-18B

Expansion Boards

MDU & HOSPITALITY





## PREMIUM AMPLIFIED CATV/HDTV MODULE

- Splits and/or amplifies signal to one, eight, or sixteen TVs throughout the home
- Bi-directional circuitry supports advanced interactive applications, as well as standard TV and video inputs
- Forward path internal amplifier provides equal input and output level on all ports; reverse path is not affected
- Unity gain eliminates the need to manually adjust attenuation
- HDTV and digital cable-ready SCTE- and DOCSIS-compliant

## PASSIVE CATV/HDTV SPLITTERS

- Split signal to six or eight TVs throughout the home
- Provide digital cable, cable TV, and other TV services via coaxial cable
- Lightweight, strong die-cast housing
- HDTV and digital cable-ready; SCTE-compliant
- Available with and without Structured Media™ Center mounting bracket

Additional video and home theater solutions located in Section C.

PREMIUM MODULES		
DESCRIPTION	PART NO.	
[A] 1x8 Premium Video Module, 1 GHz	47693-08P	
[B] 1x16 Premium Video Module, 1 GHz	47693-16P	

PASSIVE SPLITTERS			
DESCRIPTION	WITH BRACKET	WITHOUT BRACKET	
1x6 Passive Video Splitter, 2 GHz	[C] 47690-6C2	[E]	47690-0G6
1x8 Passive Video Splitter, 2 GHz	[D] 47690-8C2	[F]	47690-0G8

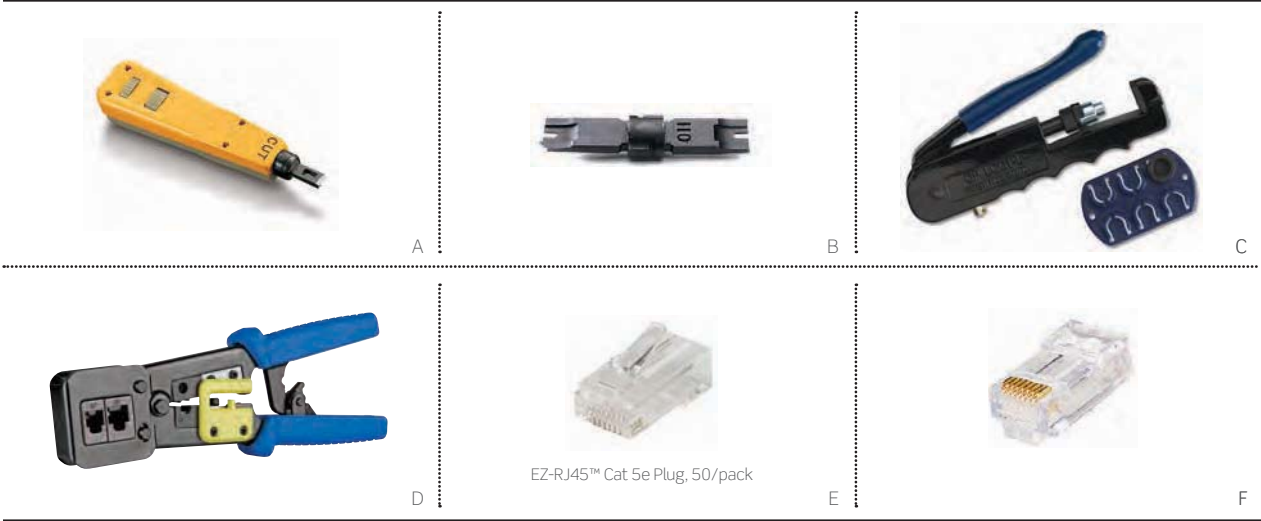
## SPOTLIGHT Popular Configurations



Whether your next project is a multiple dwelling unit (MDU), apartment, or student housing installation, Leviton can help you design the optimal network infrastructure to meet your unique requirements. Our Connected Home configurations will help you select the right components to deliver high-performance residential connectivity, including:

- Reliable, high-speed internet access
- Multi-location phone, data, and television lines
- High-bandwidth HDTV, telephone, and data distribution

You can explore Leviton Connected Home configurations, and products to support the applications and network performance you need, at [Leviton.com/ConnectedHome](http://Leviton.com/ConnectedHome).



RESIDENTIAL TOOLS	
DESCRIPTION	PART NO.
<b>[A]</b> Wire Punchdown / Termination Tool, (blades sold separately)	49553-814
<b>[B]</b> 110 IDC Blade	49553-110
66-Clip Blade	49553-066
<b>[C]</b> Master Compression Tool	40989-CPT
UTP Stripping Tool	49660-00P
<b>[D]</b> EZ-RJ45 Crimp Tool	40989-ACT

RESIDENTIAL ACCESSORIES	
DESCRIPTION	PART NO.
<b>[E]</b> EZ-RJ45 Cat 5e Plug, 50/pack	47613-EZC
EZ-RJ45 Cat 5e Plug Display Pack, 10/pack	47613-EZR
<b>[F]</b> EZ-RJ45 Cat 6 Plug	47613-EZ6
Push-Lock Pins for Structured Media Enclosures, 20/pack	47615-NYL
Reclosable Tie-Wrap, 5" Length, 25/pack	43105-005

**SPOTLIGHT** A Connected Home Begins with Planning

The number of connected devices in the home has grown significantly over the last few years. Too often, homeowners knowingly accept poor network reliability and quality for the convenience of a wireless system. While wireless technology has improved, the hunger for bandwidth outpaces it. Having a strong structured wiring backbone in an organized central hub is crucial to supporting high-bandwidth demands and optimal wireless performance.

To read more about how a well-planned structured cabling system can optimize your wireless network, visit [Leviton.com/CHBackbone](http://Leviton.com/CHBackbone).





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**For copper cable part numbers, see the following pages:**

- Category 8: A42
- Category 6A: A42-A44
- Category 6: A45-A46
- Category 5e: A46-A47

**For fiber cable part numbers, see the following pages:**

- Tight-Buffered Premise Cables: B43
- Loose-Tube Cables: B44-B56
- Fire-Survival Cables: B56

For Pre-Terminated Copper Trunk Cables, see page A39

For Pre-Terminated Fiber Assemblies, see pages B33-B40

For Air-Blown Fiber System part numbers, see pages B59-B64

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 International Inside Sales ..... +1 (425) 486 2222 ..... [intl@leviton.com](mailto:intl@leviton.com)  
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**CORPORATE HEADQUARTERS**

201 N. Service Road, Melville, NY 11747 USA | [leviton.com](http://leviton.com)

Customer Service ..... (800) 323 8920 / +1 (631) 812 6000 ..... [customerservice@leviton.com](mailto:customerservice@leviton.com)

**ADDITIONAL OFFICES**

Africa ..... +971 (4) 247 9800 ..... [lmeinfo@leviton.com](mailto:lmeinfo@leviton.com)  
 Asia / Pacific ..... +1 (631) 812 6228 ..... [infoasean@leviton.com](mailto:infoasean@leviton.com)  
 Canada ..... +1 (514) 954 1840 ..... [pcservice@leviton.com](mailto:pcservice@leviton.com)  
 Caribbean ..... +1 (954) 593 1896 ..... [infocaribbean@leviton.com](mailto:infocaribbean@leviton.com)  
 China ..... +852 2774 9876 ..... [infochina@leviton.com](mailto:infochina@leviton.com)  
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 Latin America & Mexico ..... +52 (55) 5082 1040 ..... [lsamarketing@leviton.com](mailto:lsamarketing@leviton.com)  
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