LEVITON®
Network Solutions

NETWORK SOLUTIONS FOR THE
Highest Return
ON YOUR
Infrastructure Investment

2019/2020
Catalog
Europe

COPPER SOLUTIONS

Page A8

ATLAS-X1 COMPONENT-RATED UNSHIELDED & SHIELDED JACKS - UPDATED CHART DESCRIPTIONS

ATLAS-X1 UNSHIELDED QUICKPORT JACKS				
DESCRIPTION		CAT 6A	CAT 6	CAT 5E
Atlas-X1 Unshielded 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, 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)

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CAT 6A SHIELDED CABLES - ADDED PART NUMBERS

CAT 6A U/FTP CABLES	
DESCRIPTION	PART NO.
Cat 6A U/FTP Cable, LSHF/LSZH, orange, 305m box, EuroClass B2ca	AC6U/FTP-B2ca-B305OR

CAT 6A SHIELDED CABLES - UPDATED PART NUMBERS

CAT 6A U/FTP CABLES	
DESCRIPTION	PART NO.
Cat 6A U/FTP Cable, LSHF/LSZH, orange, 500m reel, EuroClass B2ca	AC6U/FTP-B2ca-500OR

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CAT 6 SHIELDED CABLES - ADDED PART NUMBERS

CAT 6 U/FTP CABLES	
DESCRIPTION	PART NO.
Cat 6 U/FTP Cable, LSHF/LSZH, orange, 305 m box, EuroClass B2ca	C6U/FTP-B2ca-B305OR
Cat 6 U/FTP Cable, LSHF/LSZH, orange, 500 m reel, EuroClass B2ca	C6U/FTP-B2ca-500OR

COPPER SOLUTIONS

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NEW PRODUCTS

CAT 6A UNSHIELDED CABLES

- Compatible with Atlas-X1 and eXtreme connectivity, providing customers with complete end-to-end systems
- Maximizes installation efficiency, enabling installers to terminate the cable with Leviton connectivity more than twice as fast as leading competitive products that incorporate pair separators and foils in their UTP cable designs
- Includes an s1a smoke rating, the best smoke emissions rating available
- Full compliance with ISO and EN Electrical Standards, adding peace of mind
- Supports Power over Ethernet (PoE) — see specification sheets for full PoE capabilities

CAT 6A U/UTP CABLES	
DESCRIPTION	PART NO.
Cat 6A U/UTP Cable, LSHF/LSZH, violet , 305m reel, EuroClass Eca	AC6U-Eca-305VT2
Cat 6A U/UTP Cable, LSHF/LSZH, violet, 500m reel, EuroClass Eca	AC6U-Eca-500VT2
Cat 6A U/UTP Cable, LSHF/LSZH and CMR, blue, 305m reel, EuroClass Dca	AC6U-Dca-305BU2
Cat 6A 23 AWG U/UTP Cable, LSHF/LSZH and CMR Cable, 500m reel , EuroClass Dca	AC6U-Dca-500BU2

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CAT 6 UNSHIELDED CABLES - UPDATED PART NUMBERS

[A] CAT 6 U/UTP CABLES	
DESCRIPTION	PART NO.
Cat 6 U/UTP Cable, LSHF/LSZH, orange, 305 m Reelex Box, EuroClass B2ca	C6U-B2ca-Rlx-305OR
Cat 6 U/UTP Cable, LSHF/LSZH, green, 305 m Reelex Box, EuroClass Cca	C6U-Cca-Rlx-305GN

FIBER SOLUTIONS

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FIBERPLUS SYSTEM - ADDED PART NUMBERS

OPTICAL ADAPTERS	
DESCRIPTION	PART NUMBER
LC APC Duplex, single-mode, green	BHCALSM031
LC APC Quad, single-mode, green	BHCA4SM031
SC APC Simplex, single-mode, dust caps, green	BHCACSM001
SC APC Duplex, single-mode, dust caps, green	BHCADSM001

HOUSINGS & FACEPLATES

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HOUSINGS & FACEPLATES - DISCONTINUED PART NUMBERS

GERMAN-STYLE OUTLETS		
DESCRIPTION	IVORY	WHITE
2-Port 10GPlus Cat 6A Shielded Module	AC6G245SU001	AC6G245SU002

CABLE MANAGEMENT

No Updates

SMART PATCH

No Updates

LEVITON
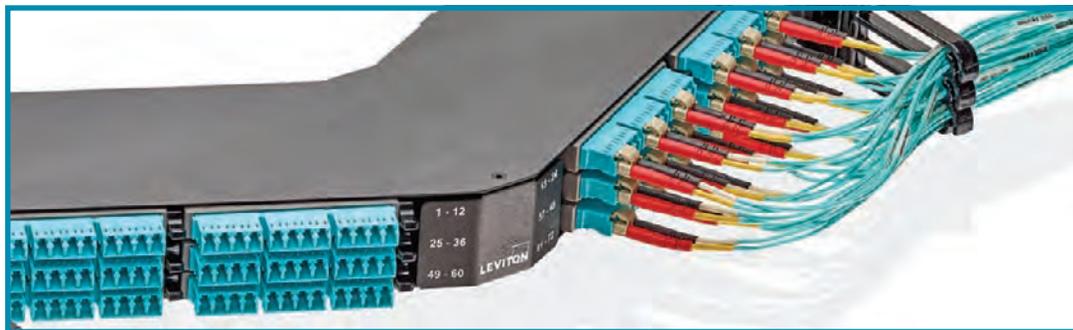
A | Copper Solutions

B | Fiber Solutions

C | Housings & Faceplates

D | Cable Management

E | SmartPatch™ Infrastructure Management Solutions

LEVITON ®
Network Solutions

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

Leviton is dedicated to providing our European customers with unrivaled service and a broad selection of high-performance solutions to fit their unique applications. We have not slowed down in these efforts over the past year. In 2018, the Leviton Data Center Factory in Glenrothes, Scotland added a full line of pre-terminated shielded copper trunk cables and CP copper patch cords, in addition to its existing fiber optic trunk offering. These solutions can be custom configured and allow for rapid delivery to jobsites throughout Europe and the Middle East.

Also, in October 2018, Leviton opened a new sales office in central London. In addition to providing a workplace for more Leviton staff, the office includes a customer solution suite that showcases the latest Leviton network infrastructure products.

These new additions — along with an expanded product offering found in this catalog — translate into greater benefits for you. As always, our network experts are always ready to help if you need assistance, and we look forward to working with you in the future.

LEVITON IS A GLOBAL MANUFACTURER committed to delivering the utmost quality, customer service, and innovative products, **backed by a comprehensive warranty.**

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.
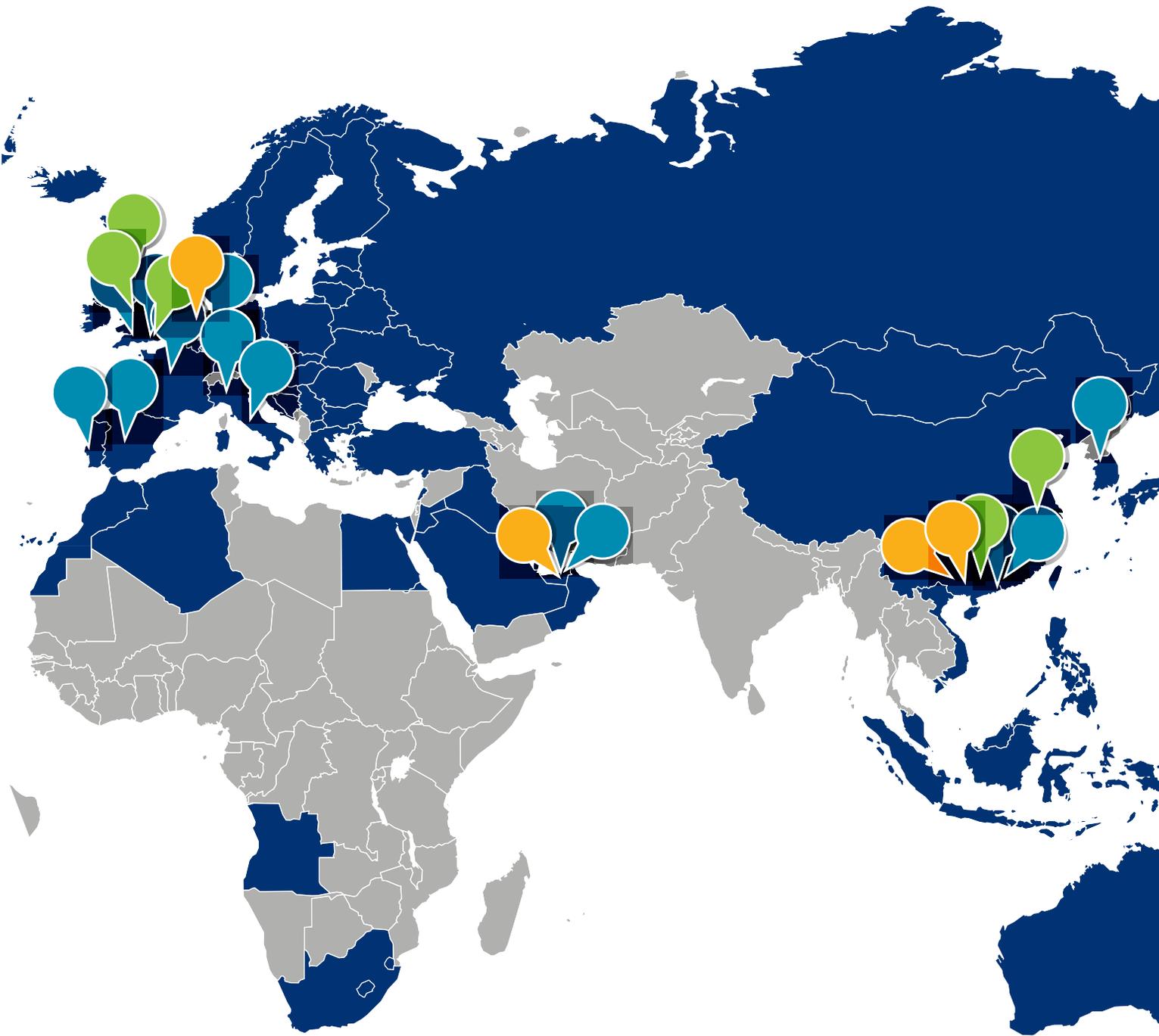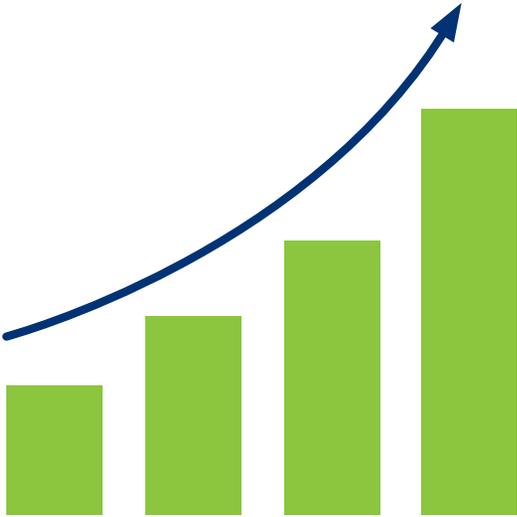
100+ COUNTRIES

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.
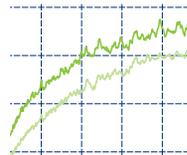
QUALITY AND PERFORMANCE IN EVERY SOLUTION

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 for every type of network, our infrastructure systems give customers access to a broad set of solutions.
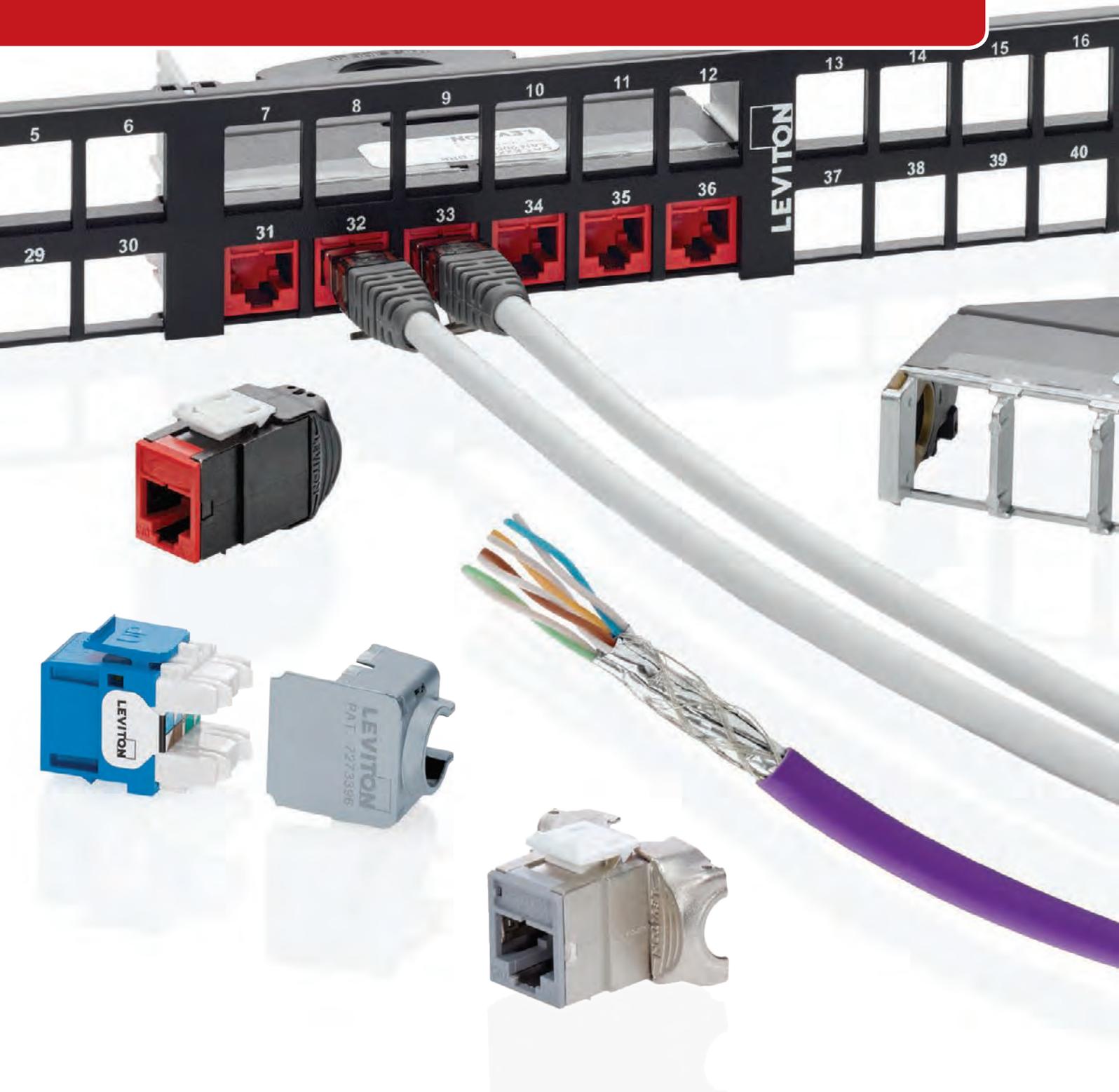
ADVANCED DATA CENTER SOLUTIONS

BEST-IN-CLASS CATEGORY-RATED COPPER SYSTEMS

HIGH PERFORMANCE OPTICAL FIBER SYSTEMS

AUDIOVISUAL AND WORK AREA CONNECTIVITY

COPPER SOLUTIONS

SECTION **A** CONTENTS

COPPER

COPPER SYSTEMS

Leviton 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
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 jack face
13 color options
Retention Force Technology™ in jacks protects tines and increases longevity
Jack pin array geometry minimises arcing/pitting damage in Power over Ethernet (PoE) applications
Up to 100-watt PoE support
High EuroClass cables
Component-rated products available
Third-party channel tested and verified
Performance exceeds the standard
Shielded options for EMI/RFI protection
High-density unshielded and shielded shorter depth jacks to fit shallow backboxes

Atlas-X1
Mission Critical

eXtreme
Enterprise

Plus
Enterprise, Light Commercial

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.

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

Proven performance and simple installation features allow for streamlined deployment.

	Atlas-X1	eXtreme	Plus
	✓		
	✓		
	✓		
	✓		
	✓	✓	
	✓	✓	
	✓	✓	
	✓	✓	
	✓	✓	
	✓	✓	✓
	✓	✓	✓
	✓	✓	✓
	✓	✓	✓
	✓		✓
	✓		✓

COPPER SYSTEMS

Leviton 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.

	SHIELDED			
	CAT 8	**CAT 6A**	**CAT 6**	**CAT 5E**
ATLAS-X1™, MISSION CRITICAL				
Jacks	81SJK-R*8	6ASJK-x*6	61SJK-x*6	
Patch Cords	81Z10-Sxx	AC6PCGxxx-*88HB	C6PCSxxx-*88HB	GPCPCFxxx-***H
Recommended Patch Panels	E2X1F-E48, E2X1A-E48, E2XHD-BRK 4S255-xxx , 4S256-xxx			
EXTREME™ UNSHIELDED, ENTERPRISE				
Jacks				
Patch Cords				
Recommended Patch Panels				
PLUS, ENTERPRISE, LIGHT COMMERCIAL				
Jacks		AC6JAKS000DC AC6JAKF0K2	C6JAKS000DC C6CJAKF0K2	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

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

Note: Unshielded 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.

UNSHIELDED		
CAT 6A	**CAT 6**	**CAT 5E**
6AUJK-x*6	61UJK-x*6	5EUJK-x*5
AC6PCGxxx-*88HB	C6PCUxxx-***BB	GPCPCUxxx-***HB
E2X1F-E48, E2X1A-E48, E2XHD-BRK Any empty unshielded QuickPort™ panel		
6110G-x*6	61110-x*6	5G110-x*5
AC6PCGxxx-*88HB	C6PCUxxx-***BB	GPCPCUxxx-***HB
6910G-Uxx Any empty unshielded QuickPort panel 6A586-Bxx	69270-Uxx 69586-Bxx 69587-xxx Any empty unshielded QuickPort panel	Any empty unshielded QuickPort panel
AC6JAKU002	C6CJAKU002	GPCJAKU002
AC6PCGxxx-*88HB	C6PCUxxx-***BB	GPCPCUxxx-***HB
Any 1RU 24-port modular panel		
	C6CPNLU240K2H	GPCPNLU24002

Jacks

Leviton copper jacks go through rigorous 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.

CATEGORY-RATED JACKS | Atlas-X1™ QuickPort™

| A | B | C | D | E |

ATLAS-X1 COMPONENT-RATED UNSHIELDED & SHIELDED JACKS

- Innovative wire manager and door-release levers support quick, repeatable terminations

- Tool-free design requires no specialised termination tools

- 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

- Unified form factor and termination method, from Cat 5e to Cat 8

- PoE optimized tine geometry prevents arcing damage where plug and jack make contact, extending the life of the jack and ensuring maximum performance (see specification sheets for full PoE capabilities)

- Solid metal body dissipates 53% more heat than plastic, minimising damage from excess heat in PoE applications

- Made in the USA

Atlas-X1 Cat 8: See page A30 for more information about Atlas-X1 Cat 8 solutions.

ATLAS-X1 UNSHIELDED QUICKPORT JACKS

DESCRIPTION		CAT 6A	CAT 6	CAT 5E
Atlas-X1 Unshielded QuickPort Jack	**[B]**	6AUJK-R*6	61UJK-R*6	5EUJK-R*5
Atlas-X1 Unshielded QuickPort Jack with Shutter		6AUJK-S*6	61UJK-S*6	**[C]** 5EUJK-S*5
Atlas-X1 Unshielded QuickPort Jack with Shutter, 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 with Shutter, 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 Unshielded 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:

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)

A   B   C   D
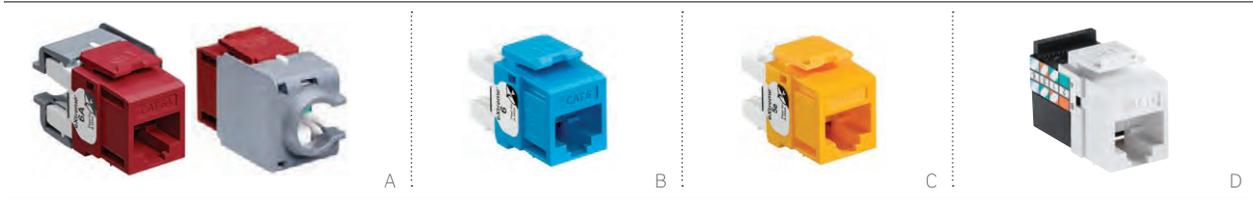
EXTREME UNSHIELDED QUICKPORT JACKS

- 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 UNSHIELDED 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 A27-A28 for patch panel and jack compatibility.

See pages C9-C10 for housings, wallplates, and jack compatibility.

EXTREME UNSHIELDED QUICKPORT JACKS

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

	DESCRIPTION	1-PACK	QUICKPACK 25-PACK	QUICKPACK 150-PACK WITH JACKRAPID TOOL
[D]	GigaMax Cat 5e Unshielded 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.

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)

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 unshielded, 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.

A   B   C

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 unshielded applications

CAT 6 PLUG

- Cat 6 plug provides quick unshielded 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 faceplates and housings for future expansion

Compatibility References:
See pages A27-A28 for patch panel and jack compatibility.

See pages C9-C10 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^	47613-EZ6

^ = See Copper Tools Page A44 for EZ-RJ 45 crimp tool part number

QUICKPORT BLANK INSERTS & JACK ADAPTER BEZELS	
DESCRIPTION	PART NO.
[C] Blank Insert (pack of 10)	41084-0Bx

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

White (W)   Light Almond (T)   Ivory (I)   Gray (G)   Black (E)   Brown (B)

CATEGORY-RATED JACKS | 10GPlus Cat 6A Jacks

A   B   C   D   E
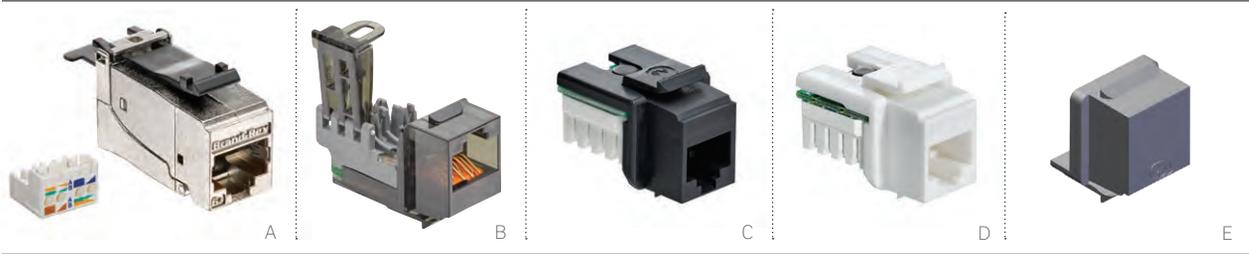
10GPLUS CAT 6A COMPONENT-RATED SHIELDED TOOL-FREE SNAP-IN JACK

- 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 UNSHIELDED 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
- Shielded and unshielded options

SNAP-IN JACK PATCH PANEL ACCESSORIES

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

> **Compatibility References:**
>
> See pages A27-A28 for patch panel and jack compatibility.
>
> See pages C9-C10 for housings, wallplates, and jack compatibility.

10GPLUS CAT 6A TOOL-FREE SNAP-IN JACKS	
DESCRIPTION	**PART NO.**
[A] 10GPlus Cat 6A Shielded Tool-free Snap-In Jack	AC6JAKS000DC
[B] 10GPlus Cat 6A Unshielded 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
[C] 10GPlus Cat 6A Unshielded LSA-Style Snap-in Jack, black	AC6JAKU0K2
[D] 10GPlus Cat 6A Unshielded LSA-Style Snap-in Jack, white	AC6JAKU0K3
SNAP-IN-JACK PATCH PANEL ACCESSORIES	
[E] Snap-in Jack Blank, black	MMCJAKBLK2
Snap-in Jack Blank, white	MMCJAKBLK3

CAT6PLUS CAT 6 SHIELDED TOOL-FREE SNAP-IN JACK
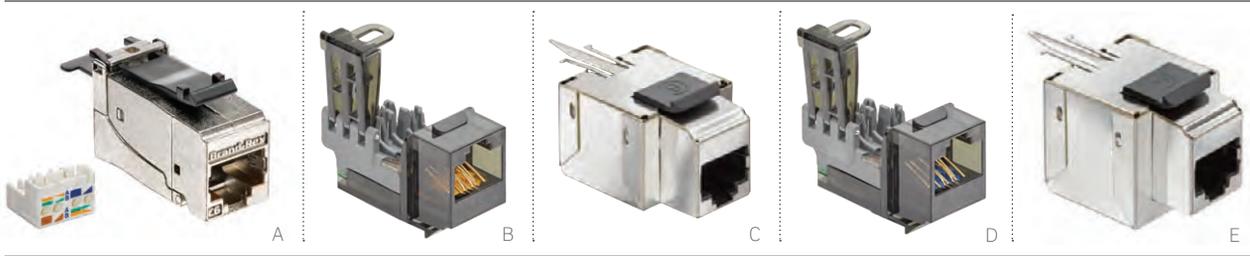
- High electrical performance with ample headroom in installed links
- Tool-free design requires no specialized termination tool
- 360° screen: Rear contact features ensure contact to the cable shields and good EMI resistance
- Quick release function supports fast, safe, repeatable terminations

CAT6PLUS CAT 6 UNSHIELDED 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 unshielded options

GIGAPLUS CAT 5E UNSHIELDED 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 unshielded options

Compatibility References:

See pages A27-A28 for patch panel and jack compatibility.

See pages C9-C10 for housings, wallplates, and jack compatibility.

CAT6PLUS CAT 6 TOOL-FREE SNAP-IN JACK		
DESCRIPTION		**PART NO.**
[A] Cat6Plus Cat 6 Shielded Tool-free Snap-In Jack		C6CJAKS000DC
[B] Cat6Plus Cat 6 Unshielded Tool-free Snap-In Jack		C6CJAKU002
CAT6PLUS CAT 6 SNAP-IN JACK		
DESCRIPTION	**LSA-STYLE**	**110-STYLE**
[C] Cat6Plus Cat 6 Shielded Snap-In Jack, metallic	C6CJAKF0K2	—
Cat6Plus Cat 6 Unshielded Snap-In Jack, white	C6CJAKU0K3	—
Cat6Plus Cat 6 Unshielded Snap-In Jack, black	—	C6CJAKU012
Cat6Plus Cat 6 Unshielded Snap-In Jack, white	—	C6CJAKU013
GIGAPLUS CAT 5E UNSHIELDED TOOL-FREE SNAP-IN-JACK		
DESCRIPTION		**PART NO.**
[D] GigaPlus Cat 5e Unshielded Tool-Free Snap-In Jack		GPCJAKU002
GIGAPLUS CAT 5E SNAP-IN JACKS		
DESCRIPTION	**LSA-STYLE**	**110-STYLE**
[E] GigaPlus Cat 5e Shielded Snap-In Jack, metallic	—	GPCJAKF012
GigaPlus Cat 5e Unshielded Snap-In Jack, white	GPCJAKU0K3	—

AV CONNECTIVITY | QuickPort™ AV Jacks & Couplers

A   B   C   D

E   F
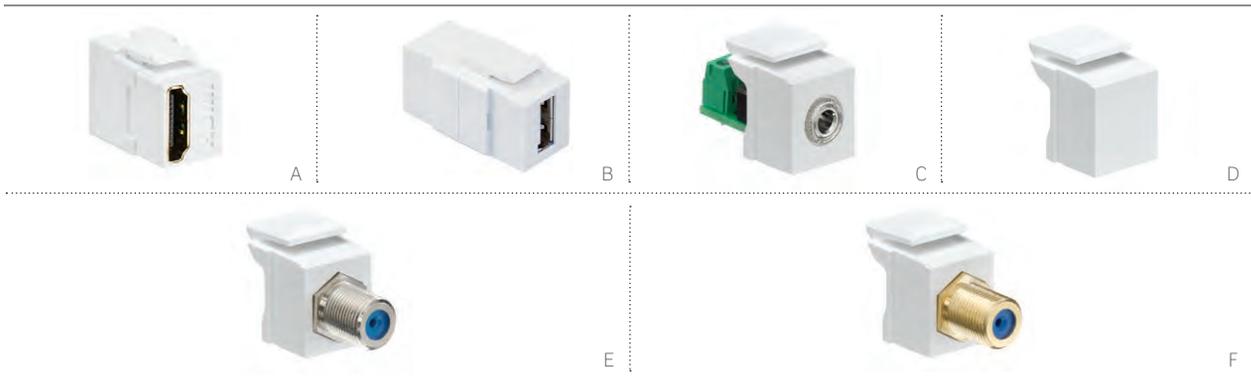
AV JACKS & COUPLERS

- HDMI™ connector works with HDMI Type A connectors

- 3.5 mm Stereo Adapter facilitates classroom, workstation, and computer audio applications

- Coax F-Connectors are SCTE compliant and support signals up to 3 GHz

- QuickPort blank inserts secure unused ports in faceplates and housings for future expansion

Compatibility References:

See pages A27-A28 for patch panel and jack compatibility.

See pages C9-C10 for housings, wallplates, and jack compatibility.

QUICKPORT AV CONNECTORS & BLANKS		
DESCRIPTION		**PART NO.**
[A]	HDMI Coupler, white	40834-00W
[B]	USB A/A Coupler, white	40835-00W
[C]	3.5 mm Stereo Jack, screw terminal, white	40839-SWS
[D]	Blank Insert (pack of 10), white	41084-0BW
QUICKPORT F-CONNECTOR COUPLERS		
[E]	F-Connector Coupler, nickel plated, feedthrough, white	41084-FWF
[F]	F-Connector Coupler, gold plated, feedthrough, white	40831-0BW

AV CONNECTIVITY | MOS Inserts, Modules & Surface-Mount Boxes
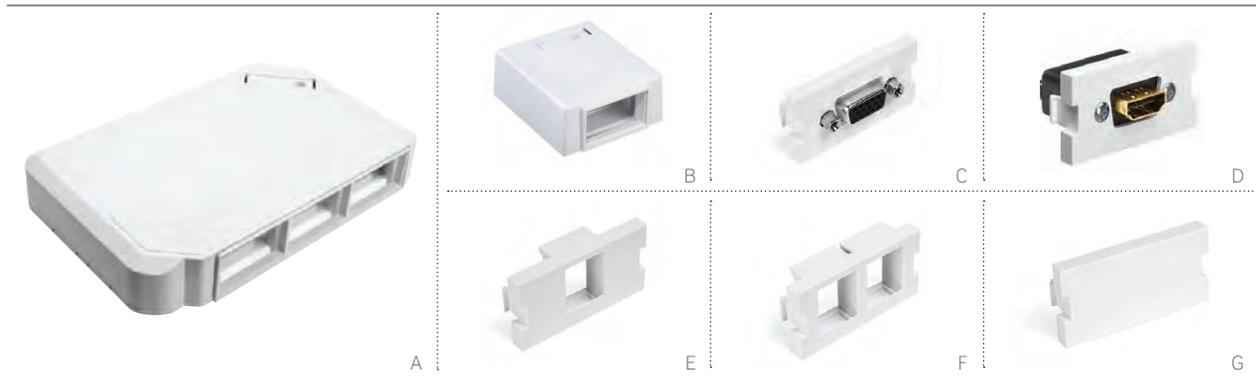
MULTIMEDIA OUTLET SYSTEM (MOS)

- Front-loading solution provides a clean and flexible system
- MOS Surface-Mount Box and Housing accept any 1-unit high MOS modules and includes a fiber storage tray
- MOS Surface-Mount Box accepts three 1-unit high MOS modules
- Box can be positioned vertically or horizontally, depending upon port exit preference (side or bottom)
- Three sides of box cover have breakouts for surface raceway
- Surface-Mount Housing holds one 1-unit-high MOS module
- Approved for use in air handling spaces

Compatibility References:
See page C8 for fiber MOS modules.

MULTIMEDIA OUTLET SYSTEM (MOS) SURFACE-MOUNT BOXES		
DESCRIPTION		**PART NO.**
[A]	Surface-Mount Box, 3-unit with fiber storage	41296-MMW
[B]	Surface-Mount Housing, holds one 1-unit-high module	4M089-1WM
MOS AV CONNECTOR MODULES		
[C]	VGA/HD15 Module, feedthrough (1 unit high)	41293-HDW
[D]	HDMI™ Module, feedthrough (1 unit high)	41290-HDW
QUICKPORT & BLANK MODULES		
[E]	1-Port QuickPort Module (1 unit high)	41291-1MW
[F]	2-Port QuickPort Module (1 unit high)	41291-2QW
[G]	Blank Module (1 unit high)	41291-1BW

SPOTLIGHT — Surface-Mount QuickPort™ Boxes

Surface-Mount QuickPort Boxes

Leviton Surface-Mount QuickPort Boxes support voice and data applications in office, retrofit, or other surface-mount environments, and they accept all individual QuickPort jacks. The compact boxes are available with 1, 2, 4, 6, or 12 ports, with the 1-, 2-, and 4-port housings approved for installation in air-handling spaces.

Learn more on page C3.

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 6 110-style, and Snap-In Jack solutions. Additional unshielded, shielded, 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 is important. They accept both unshielded and shielded copper as well as fiber e2XHD snap-in cassettes in the same panel.
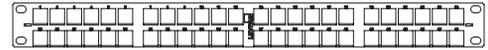
Available Styles: Flat **|** Angled

Flat 48-Port

Flat Patch Panels ▶ A17, A18, A21-A24

Traditional, flat profile works well in almost any application. Most flat panels include rear cable management bars. Flat panel with angled ports also available.
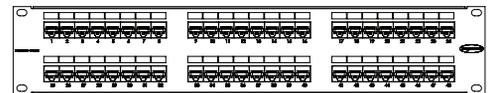
Available Styles: 110-Style **|** LSA-Style **|** QuickPort **|** Modular

Flat 24-Port

Flat 48-Port

Angled Patch Panels ▶ A19

Recommended for use in racks to optimize patch cord management and rack space utilisation.
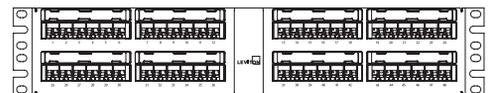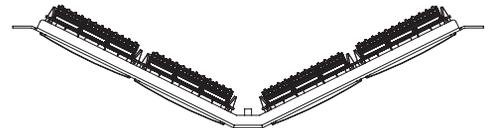
Available Styles: 110-Style **|** QuickPort

Angled 48-Port

Cross-Connect ▶ A25-A26

Dependable, flexible, and cost effective, 110-style and 66-block cross-connect products are ideal for telecommunications rooms and distribution frames.
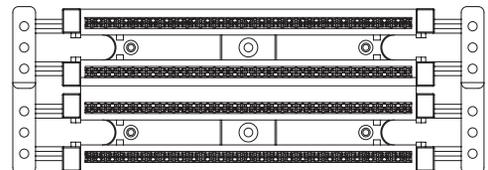
Available Styles: Cat 6A **|** Cat 6 **|** Cat 5e

Cross-Connect 110-Style Wiring Block

PATCH PANELS | Flat Metal 110-Style > Unshielded

A

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FLAT UNSHIELDED 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
- Includes 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)
- 1RU 24-port and 2RU 48-port panels include factory assembled earthing jumper
- Select panels include the Cable Management Clip for faster, easy cable singulation

AVAILABLE CABLE MANAGEMENT:

See Section D 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 D6 for more details.

FLAT 110-STYLE PATCH PANELS & PATCH BLOCK

DESCRIPTION	CAT 6*	CAT 5E
1RU 12-Port Flat 110-Style Patch Panel	69586-U12	—
1RU 24-Port Flat 110-Style Patch Panel	69586-B24	Contact Customer Service
2RU 48-Port Flat 110-Style Patch Panel	[B] 69586-B48	Contact Customer Service
2RU 48-Port Flat 110-Style Patch Panel, central labeling	[C] 69586-C48	—
4RU 96-Port Flat 110-Style Patch Panel	69586-U96	—
12-Port 110-Style Patch Block, 89D bracket	69586-U89	—

* = Cat 6A (6A586-Bxx) and Cat 6 (69586-xxx) panels come kitted with Cable Management Clip (49005-CMC)
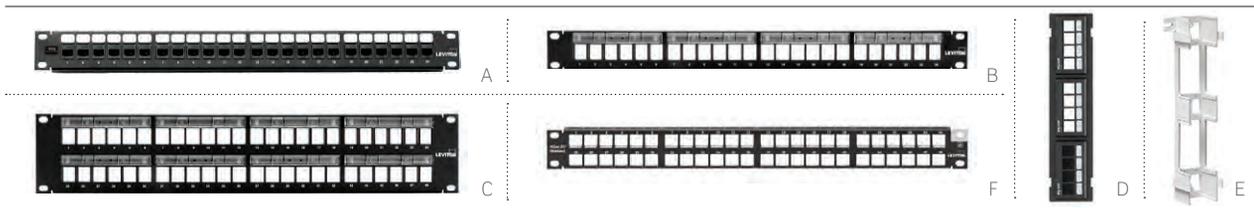

SPOTLIGHT   Cat 6 110-Style Panel Feature: Earthing Jumper

Leviton Cat 6 1RU 24-Port and 2RU 48-Port Flat 110-Style Patch Panels include a factory assembled, standard compliant earthing jumper for greater flexibility. The panels also include ring and spade terminals for user-supplied earthing wire.

Spade terminal for user-supplied earthing wire.

FLAT UNSHIELDED 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

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 earthing hardware

- High-density 1RU 48-port option maximizes rack space and reduces costs in high-density applications

AVAILABLE CABLE MANAGEMENT:

See Section D 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 at left, unless otherwise noted.

FLAT QUICKPORT UNSHIELDED PATCH PANELS, PATCH BLOCKS & ACCESSORIES

DESCRIPTION		CAT 6A	CAT 6	CAT 5E	EMPTY	
1RU 24-Port Flat QuickPort Patch Panel	**[A]**	6910G-U24	69270-U24	—		49255-H24
2RU 48-Port Flat QuickPort Patch Panel		6910G-U48	69270-U48	—		49255-H48
1RU 24-Port Flat QuickPort Patch Panel, magnifying lens label holder		—	—	—	**[B]**	49255-L24
2RU 48-Port Flat QuickPort Patch Panel, magnifying lens label holder		—	—	—	**[C]**	49255-L48
12-Port QuickPort Patch Block, mounting bracket (item E below) sold separately, 10" H x 2.375" W		—	—	—	**[D]**	49255-Q89
12-Port QuickPort Patch Block, extra deep, mounting bracket included, 10" H x 2.375" W		—	—	—		47689-0QP
QuickPort Patch Block 89D Mounting Bracket (mounts to item D)		—	—	—	**[E]**	40089-00D

ATLAS-X1 FLAT SHIELDED PATCH PANELS

DESCRIPTION		CAT 6A	CAT 6	CAT 5E	EMPTY	
1RU 24-Port Flat Shielded QuickPort Patch Panel		—	—	—		4S255-S24
1RU 48-Port Flat Shielded QuickPort Patch Panel		—	—	—	**[F]**	4S255-D48*
2RU 48-Port Flat Shielded QuickPort Patch Panel		—	—	—		4S255-S48

* = Cable management bar sold separately. Cat 6A/6/5e patch panels are kitted with black 6110G, 61110, or 5G110 jacks.
QuickPort jacks are available on pages A8-A9 and A13.

Compatibility References:

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 or tie wraps to streamline installation and maintenance.

The cable management clip is compatible with flat QuickPort™ and 110-style panels, and come kitted with flat 110-style Cat 6A (6A586-Bxx) and Cat 6 (69586-Bxx) panels. 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 D6 for more information.

PATCH PANELS | Angled > 110-Style & QuickPort™ Unshielded & Shielded

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B

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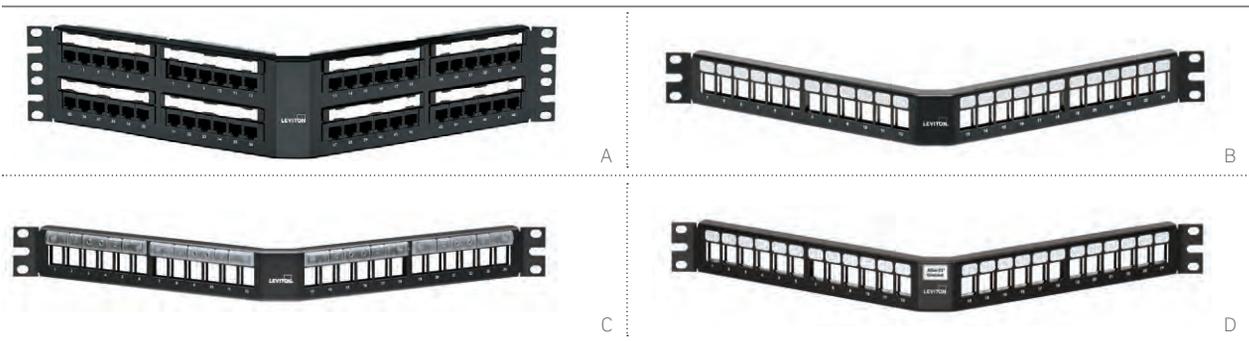
ANGLED UNSHIELDED 110-STYLE & QUICKPORT PATCH PANELS

- 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 cardstock labels
- Panels include white write-on blocks or patented magnifying lens label holder
- 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
- Includes appropriate earthing hardware
- High-density 1RU 48-port option maximizes rack space and reduces costs in high-density applications

Compatibility References:
See pages A27-A28 for patch panel and jack compatibility.

AVAILABLE CABLE MANAGEMENT:
See Section D for product details and ordering information.

Versi-Duct™

Rear Cable Management Bars

Horizontal Cable Managers

Blank Filler Panels

Transitional Covers

VELCRO® Brand Fasteners

49254-BC1
Recommended angled transitional cover

ANGLED 110-STYLE & QUICKPORT UNSHIELDED PATCH PANELS

DESCRIPTION	CAT 6	CAT 5E	EMPTY
1RU 24-Port Angled 110-Style Patch Panel	69587-U24	—	—
1RU 24-Port Angled 110-Style Patch Panel, magnifying lens holder	69587-L24	—	—
2RU 48-Port Angled 110-Style Patch Panel	**[A]** 69587-U48	—	—
2RU 48-Port Angled 110-Style Patch Panel, magnifying lens holder	69587-L48	—	—
1RU 24-Port Angled QuickPort Patch Panel	—	—	**[B]** 49256-H24
1RU 24-Port Angled QuickPort Patch Panel, magnifying lens holder	—	—	**[C]** 49256-L24
2RU 48-Port Angled QuickPort Patch Panel	—	—	49256-H48
2RU 48-Port Angled QuickPort Patch Panel, magnifying lens holder	—	—	49256-L48

ATLAS-X1 ANGLED SHIELDED PATCH PANELS

DESCRIPTION	EMPTY
1RU 24-Port Angled Shielded QuickPort Patch Panel	**[D]** 4S256-S24
1RU 48-Port Angled Shielded QuickPort Patch Panel	4S256-D48
2RU 48-Port Angled Shielded QuickPort Patch Panel	4S256-S48

QuickPort jacks are available on pages A8-A9 and A13.
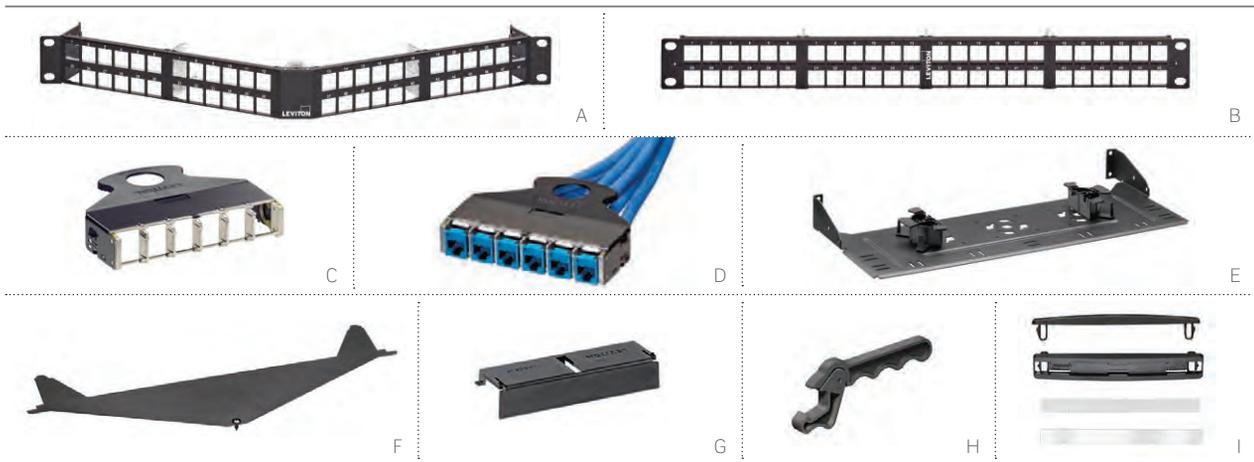
The e2XHD Snap-In Cassette Patching System includes 1RU panels, copper and fiber snap-in cassettes, and accessories for additional cable protection and management. The e2XHD cassettes quickly snap in and pull out of the high-density panels, making installation, moves, adds, and changes easier than ever.

- Panels allow a mix-and-match of Leviton fiber and copper snap-in cassettes
- Cassettes are available empty or on pre-terminated trunks (see page A34)

- Unshielded 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 A27-A28 for patch panel and jack compatibility.

e2XHD UNSHIELDED & SHIELDED SNAP-IN CASSETTE PATCHING SYSTEM

	DESCRIPTION	PART NO.
[A]	1RU 48-Port e2XHD Angled High-Density Panel, supports unshielded, shielded, and fiber media	E2X1A-E48
[B]	1RU 48-Port e2XHD Flat High-Density Panel, supports unshielded, shielded, and fiber media	E2X1F-E48
[C]	6-port e2XHD Cassette, empty*	E2XHD-BRK
[D]	e2XHD Copper Cassette, terminated to trunk cable (see page A34)	Configure online at leviton.com/ns/emea/mto
	e2XHD Rear Cable Manager for Angled Panel, with fiber storage rings (four quarter-round rings)	E2XHD-CMB
[E]	e2XHD Rear Cable Manager for Flat Panel, with fiber storage rings (four quarter-round rings)	E2X1F-CMB
[F]	e2XHD Angled Panel Cover	E2XHD-COV
[G]	e2XHD Cassette Blank	E2XHD-BLK
[H]	QuickPort™ Jack Removal Tool	E2XHD-JRT
[I]	e2XHD Label Kit (4 pack)+	E2XHD-LBL

* = QuickPort jacks sold separately (see pages A8-A9 and A13).
+= Label kit occupies one row of panel.

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

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

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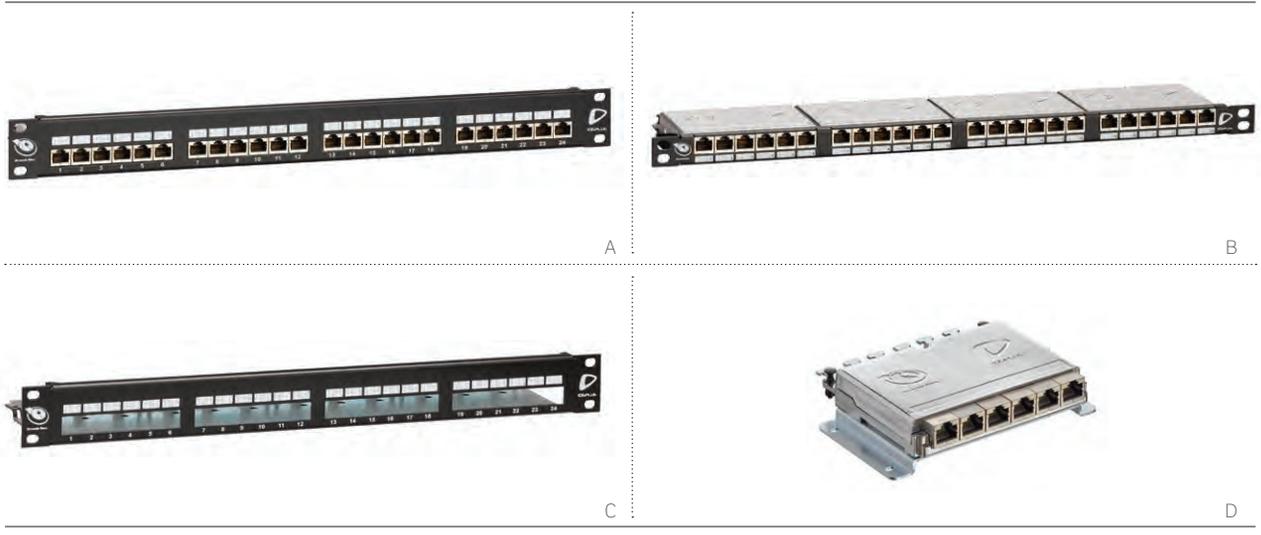
10GPLUS CAT 6A PATCH PANELS

- Component performance certified by third-party testing lab
- Accepts four shielded removable modular units, each comprising 6 ports
- Available in 1RU and 0.5RU
- Cable management/strain relief built into the panel rear
- Includes 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
- Includes 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
[A]	10GPlus 1RU 24-Port Shielded Patch Panel	AC6PNLF240K2M
[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
[C]	10GPlus 1RU Patch Panel, chassis only	AC6PNLC240K2M
10GPLUS CAT 6A CONSOLIDATION POINT MODULES		
DESCRIPTION		METALLIC
	10GPlus Consolidation Point Module, 6 way	AC6CPF060K
[D]	10GPlus Consolidation Point Module with mounting bracket, 6 way	AC6CPF060KM

Additional colors available. Contact customer service for details

LEVITON

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CAT6PLUS CAT 6 PATCH PANELS

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

GIGAPLUS CAT 5E PATCH PANELS

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

| CAT6PLUS CAT 6 PATCH PANELS, UNSHIELDED		
DESCRIPTION		**PART NO.**
	Cat6Plus 1RU 24-Port LSA-Style, unshielded, black	C6CPNLU240K2M
	Cat6Plus 1RU 24-Port 110-Style, unshielded, black	C6CPNLU24012M
[A]	Cat6Plus 0.5RU 24-Port LSA-Style, unshielded , black	C6CPNLU240K2H
CAT6PLUS CAT 6 PATCH PANELS, SHIELDED		
	Cat6Plus 1RU 24-Port LSA-Style, shielded, gray	C6CPNLF240K8M
[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
GIGAPLUS CAT 5E PATCH PANELS, UNSHIELDED		
[C]	GigaPlus 1RU 24-Port, Universal IDC, unshielded, black	GPCPNLU24002
GIGAPLUS CAT 5E PATCH PANELS, SHIELDED		
	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

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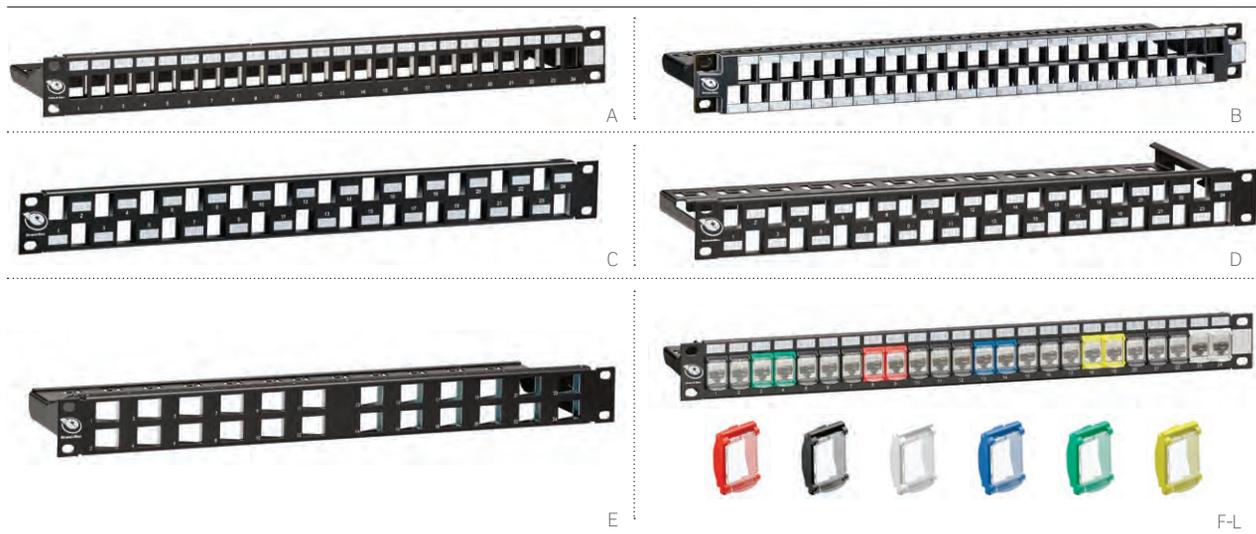
SNAP-IN-JACK PATCH PANELS

- Modular design accepts QuickPort™ and Plus Jacks (see A27 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 A27-A28 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

MMCACCCMSIJ8 (gray)
MMCACCCMSIJ2 (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

COPPER

A-C

D

E

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 jacks

RJ-21X JACKS 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 connections

VOICE-GRADE 110-STYLE PATCH PANELS				
DESCRIPTION		1RU 24-PORT		2RU 48-PORT
8P4C Patch Panel, 110 termination, 4-pin wiring	**[A]**	49013-P24	**[D]**	49013-P48
8P4C Patch Panel, two 25-pair jacks per 24 ports, 4-pin wiring		49014-J24	**[B]**	49014-J48
8P2C Patch Panel, one 25-pair jack per 24 ports, 2-pin wiring		49012-J24		49012-J48
8P8C Patch Panel, one 25-pair jack per 6 ports (supports 10/100BASE-T), 8-pin wiring	**[C]**	49018-J24		49018-J48
VOICE-GRADE LSA-STYLE PATCH PANELS				
DESCRIPTION		25-PORT		50-PORT
Voice Panel 4-Pin Wiring, 1RU, unshielded, black	**[E]**	C5CPNLU254PK2M		C5CPNLU504PK2M
Voice Panel 4-Pin Wiring, 1RU, unshielded, gray		C5CPNLU254PK8M		C5CPNLU504PK8M
Voice Panel 6-Pin Wiring, 1RU, unshielded, black		C5CPNLU256PK2M		C5CPNLU506PK2M

CROSS CONNECT | 110-Style Wiring Products

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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.

A

B

C

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

DESCRIPTION	96-PAIR
[A] 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]** 41DBR-1F5

RACK-MOUNT MANAGER

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

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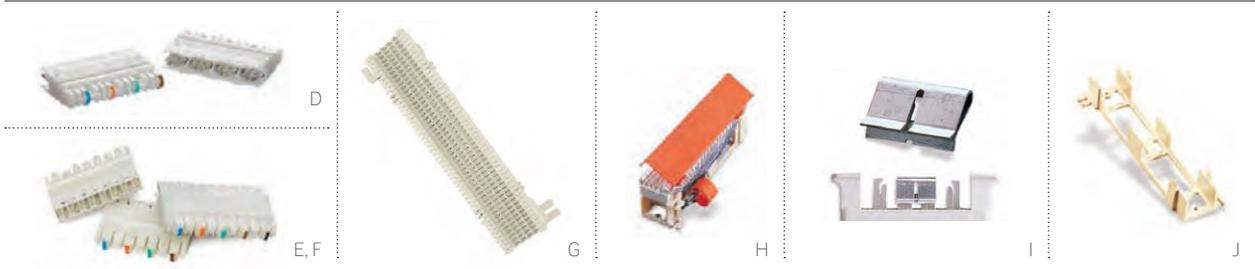
CAT 6 110-STYLE CONNECTOR CLIPS

DESCRIPTION	PART NO.
[D] 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)	**[E]** 49104-IDC	**[F]** 49105-IDC

66 CONNECTING BLOCKS

DESCRIPTION	PART NO.
[G] Split M-Block, 50-pair [66M1-50]* 10" H x 3 $^5/_{16}$" W x 1 $^3/_{16}$" D	40066-M50
[H] Connectorized Demarc Block [66M1-50R]* 10" H x 3 $^{13}/_{32}$" W x 2 ¾" D, female Amphenol™	40066-0MR

BRIDGING CLIPS

DESCRIPTION	PART NO.
[I] Bridging Clips (SA-1) (50 per package)	40067-0BC

BRACKET FOR M-BLOCKS & CONNECTOR MOUNTING

DESCRIPTION	PART NO.
[J] M-Block Bracket for Connector Mounting, [89-D/QuickPort™ blocks]* 10" H x 3 $^{13}/_{32}$" W x 1 ½" D	40089-00D

* = Numbers in brackets refer to industry product designation.

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 C9-C10.

✓ = Compatible
X = Not compatible

	QUICKPORT™ JACKS				
	SHIELDED	UNSHIELDED			
	Atlas-X1™	Atlas-X1	eXtreme™	GigaMax™ Lead-Frame Cat 5e	Audiovisual
QUICKPORT PANELS Flat QuickPort 4S255-xxx	✓	✓	✓	✓	✓
Angled QuickPort 4S256-xxx	✓	✓	✓	✓	✓
e2XHD Empty Cassette E2XHD-BRK	✓	✓	✓	✓	✓
SNAP-IN-JACK PANELS Angled Snap-In-Jack Patch Panel MMCPNLX24SIJ2MAN	✓	✓	✓	✓	✓
48-Port 1U Snap-In-Jack Patch Panel MMCPNLX48SIJ1U2	X	X	X	X	X
24-Port In-Line Snap-In-Jack Patch Panel MMCPNLX24SIJ2MIL IPSPNLX24SIJ2M - SmartPatch Panel	✓	✓	✓	✓	✓
24-Port Colored Insert Snap-In-Jack Patch Panel MMCPNLX24SIJ2DCI	✓	✓	✓	✓	✓
24-Port Staggered Snap-In-Jack Patch Panel MMCPNLX24SIJx, MMCPNLX24SIJxM-B	✓	✓	✓	✓	✓

	PLUS JACKS		
	SHIELDED		UNSHIELDED
	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
	✓	✓	✓	✓

FEATURED PRODUCTS

Atlas-X1™ Cat 8
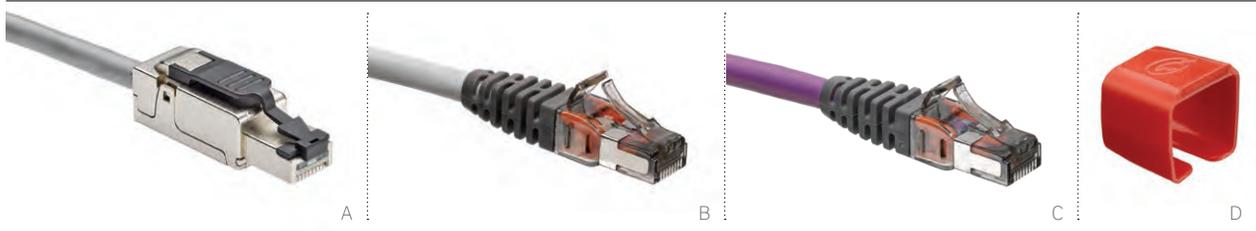Patch Cords **A30**

Pre-Terminated
Trunks **A34**

Patch Cords
& Pre-Terminated Trunks

Leviton 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. You can also custom configure your assemblies for length, jack type, and more.

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

10GPLUS CAT 6A STRANDED PATCH CORDS

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

10GPLUS CAT 6A U/FTP SOLID PATCH CORDS

- Factory-made and tested 26-gauge patch cords offer guaranteed quality and optimum performance
- Low-profile boots for higher density blade connectivity
- LSHF/LSZH materials as standard
- Accept clip-on colored boot markers for network identification (see options below)
- Designed to have a repeatable, controlled and consistent assembly, ensuring optimum performance
- Backwards compatible to Cat 6 and Cat 5e

[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.

[B] 10GPLUS CAT 6A 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

Also available in white, violet, and black. Non-standard color and length options are available to order on request.

[C] 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

[D] RETROFIT PATCH CORD CLIPS

DESCRIPTION	YELLOW	RED	BLUE	GREEN
Retrofit Patch Cord Clip, bag of 100	MMCPCCHB006	MMCPCCHB001	MMCPCCHB004	MMCPCCHB005

White   Yellow   Red   Blue   Green   Gray   Black   Violet

PATCH CORDS | Cat 6 High-Flex

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 Power over Ethernet (PoE) — see specification sheet for full PoE capabilities.

[A] EXTREME CAT 6 HIGH-FLEX PATCH CORD

DESCRIPTION	WHITE	YELLOW	RED	BLUE	GREEN	GRAY	BLACK
0.1-Meter (0.5 ft) Patch Cord*	6H460-6IW	6H460-6IY	—	6H460-6IL	—	6H460-6IS	—
0.3-Meter (1 ft) Patch Cord*	6H460-01W	6H460-01Y	6H460-01R	6H460-01L	6H460-01G	6H460-01S	6H460-01E
0.6-Meter (2 ft) Patch Cord*	6H460-02W	6H460-02Y	6H460-02R	6H460-02L	6H460-02G	6H460-02S	6H460-02E
0.9 -Meter (3 ft) Patch Cord	6H460-03W	6H460-03Y	6H460-03R	6H460-03L	6H460-03G	6H460-03S	6H460-03E
1.2-Meter (4 ft) Patch Cord*	6H460-04W	6H460-04Y	6H460-04R	6H460-04L	6H460-01G	6H460-04S	6H460-04E
1.5-Meter (5 ft) Patch Cord	6H460-05W	6H460-05Y	6H460-05R	6H460-05L	6H460-05G	6H460-05S	6H460-05E
1.8-Meter (6 ft) Patch Cord*	6H460-06W	6H460-06Y	6H460-06R	6H460-06L	6H460-06G	6H460-06S	6H460-06E
2.1-Meter (7 ft) Patch Cord	6H460-07W	6H460-07Y	6H460-07R	6H460-07L	6H460-07G	6H460-07S	6H460-07E
2.4-Meter (8 ft) Patch Cord*	6H460-08W	6H460-08Y	6H460-08R	6H460-08L	6H460-08G	6H460-08S	6H460-08E
2.7-Meter (9 ft) Patch Cord*	6H460-09W	6H460-09Y	6H460-09R	6H460-09L	6H460-09G	6H460-09S	6H460-09E
3-Meter (10 ft) Patch Cord	6H460-10W	6H460-10Y	6H460-10R	6H460-10L	6H460-10G	6H460-10S	6H460-10E
3.3-Meter (11 ft) Patch Cord*	6H460-11W	6H460-11Y	6H460-11R	6H460-11L	6H460-11G	6H460-11S	6H460-11E
3.6-Meter (12 ft) Patch Cord*	6H460-12W	6H460-12Y	6H460-12R	6H460-12L	6H460-12G	6H460-12S	6H460-12E
3.9-Meter (13 ft) Patch Cord*	6H460-13W	6H460-13Y	6H460-13R	6H460-13L	6H460-13G	6H460-13S	6H460-13E
4.2-Meter (14 ft) Patch Cord*	6H460-14W	6H460-14Y	6H460-14R	6H460-14L	6H460-14G	6H460-14S	6H460-14E
4.5-Meter (15 ft) Patch Cord*	6H460-15W	6H460-15Y	6H460-15R	6H460-15L	6H460-15G	6H460-15S	6H460-15E
4.8-Meter (16 ft) Patch Cord*	6H460-16W	6H460-16Y	6H460-16R	6H460-16L	6H460-16G	6H460-16S	6H460-16E
5.1-Meter (17 ft) Patch Cord	6H460-17W	6H460-17Y	6H460-17R	6H460-17L	6H460-17G	6H460-17S	6H460-17E
5.4-Meter (18 ft) Patch Cord*	6H460-18W	6H460-18Y	6H460-18R	6H460-18L	6H460-18G	6H460-18S	6H460-18E
5.7-Meter (19 ft) Patch Cord*	6H460-19W	6H460-19Y	6H460-19R	6H460-19L	6H460-19G	6H460-19S	6H460-19E
6-Meter (20 ft) Patch Cord*	6H460-20W	6H460-20Y	6H460-20R	6H460-20L	6H460-20G	6H460-20S	6H460-20E

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

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

White   Yellow   Red   Blue   Green   Gray   Black

CAT6PLUS 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
- LSHF/LSZH materials as standard

GIGAPLUS 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

CAT6PLUS 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

Note: S/FTP Boots are only available in gray. If boot coloring is required, a Retrofit colored boot clip can be purchased separately. See page A30 for Retrofit Patch Cord Clip part numbers.

[A] CAT6PLUS CAT 6 U/UTP PATCH CORDS

DESCRIPTION	YELLOW	RED	BLUE	GREEN	GRAY
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

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)

[B] GIGAPLUS 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] GIGAPLUS CAT 5E U/UTP PATCH CORDS

DESCRIPTION	YELLOW	RED	BLUE	GREEN	GRAY
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

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.

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

Atlas-X1 Jacks available with or without internal shutters.

	CABLE LENGTH	CABLE COLOR	LABELING
CORD TYPE			
eXtreme™ Cat 6 U/UTP B2ca		Orange	
Cat 6 U/UTP Cca	2 – 50 meters	Blue	Standard and Custom
Cat 6 U/UTP Dca		Green	
Cat 6 U/UTP Eca		Violet	

Cat 6A S/FTP B2ca Copper CP Cord

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

For assistance customizing your CP cords, please visit Leviton.com/ns/emea/mto or call +44 (0) 1592 778494.

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	• 50cm minimum	• Even • Stagger cable 1 shortest • Stagger cable 1 longest	• Stagger in pairs, cable 1 longest • Stagger in pairs, cable 1 shortest
e2XHD Copper Trunks	• 50cm minimum	• Even	
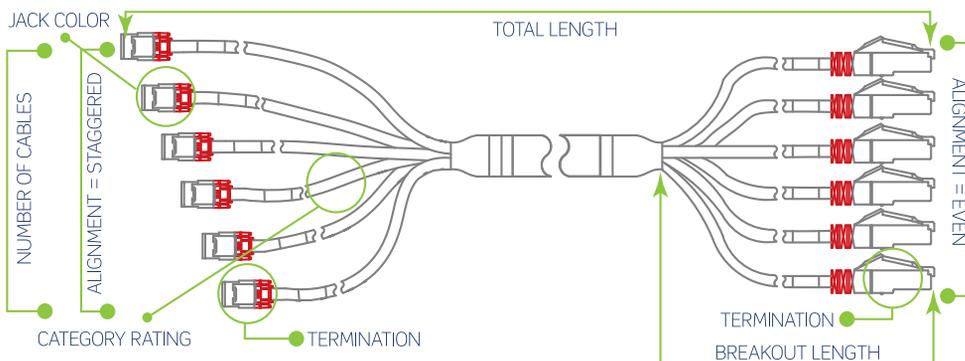
RECOMMENDED APPLICATIONS:

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!	COPPER TRUNK ASSEMBLY OPTIONS				
CABLE TYPE	# OF CABLES	CABLE LENGTH	CABLE COLOR	INDIVIDUAL JACK COLOR & CASSETTE JACK COLOR	TERMINATION OPTIONS
Cat 6A U/FTP Zone B2ca	6 or 12	3 - 67 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		3 - 90 meters	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		

Call +44 (0) 1592 778494 for more details. All trunks utilize solid conductor cable.

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

Trunk cable with e2XHD cassettes

Make-to-Order!	e2XHD COPPER TRUNK ASSEMBLY OPTIONS				
CABLE TYPE	# OF CABLES	CABLE LENGTH	CABLE COLOR	INDIVIDUAL JACK COLOR & CASSETTE JACK COLOR	TERMINATION OPTIONS
Cat 6A U/FTP Zone B2ca	6	3 - 67 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		3 - 90 meters	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		

Call +44 (0) 1592 778494 for more details. All trunks utilize solid conductor cable.

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

B2ca **C**ca
C P R
**D**ca **E**ca

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 solution for all types of demanding networks.

LEVITON

CPR: SAVING LIVES, PROTECTING BUILDINGS

In Europe, Construction Products Regulation (CPR) introduced new EuroClass cabling levels, as shown in the table below. The levels are designed to help save lives and protect buildings by enforcing a hierarchical system defining safety performance requirements in fires. Leviton offers datacom cabling in copper and fiber in different EuroClass levels, including Eca, Dca, Cca, and B2ca. This gives customers more options to meet the needs of their unique cabling environments and comply with CPR requirements specific to each EU member state.
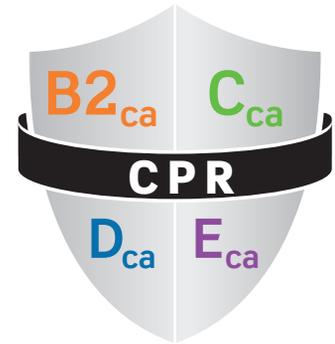
The final decision on required EuroClass performance levels lies with local authorities within each EU country. Always check local regulations to confirm what cable classification is required for a specific environment.

EUROCLASS LEVEL	DESCRIPTION	EXAMPLE ENVIRONMENTS
B2ca	Very High Fire Protection Self Extinguishing	Hospitals, airports, and fire exits 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

LEVITON LEADS THE WAY

For easy recognition of EuroClass level, Leviton copper cable is color coded. The copper cable jackets are colored as shown at left to clearly identify the level of EuroClass cable.

The color code provides several key benefits:

- Creates confidence that your team can quickly and easily determine which cables go in the appropriate locations to comply with project specifications

- Ensures that the CPR classifications that are required are communicated effectively from manufacturer to the distributor to the installer

- Easily confirms compliance to national regulations through on-site visual inspection to ensure the required CPR classification cables are installed

To learn more about CPR regulations, visit **Leviton.com/ns/emea/CPR**.

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

COPPER

Cable

ATLAS-X1™ CAT 8 SHIELDED CABLE
- 22-gauge construction
- Mylar™ tape and aluminum shield provide a high level of security
- Complies with ISO/IEC 11801, IEC 61156-5, EN 50173-1, EN 50288-11-1, and EN 50575:2014 (EuroClass)
- Supports Power over Ethernet (PoE) — see specification sheets for full PoE capabilities

A

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

CAT 7A SHIELDED CABLE
- Supports 10 Gigabit Ethernet protocol for installation in horizontal and backbone areas
- Complies with ISO/IEC 11801, IEC 61156-5, EN 50173-1, EN 50288-9-1 and EN 50575:2014 (EuroClass)
- Third-party independent certificates of compliance are available
- Supports Power over Ethernet (PoE) — see specification sheets for full PoE capabilities

B

CAT 7 SHIELDED CABLE
- Supports 10 Gigabit Ethernet protocol for installation in horizontal and backbone areas
- Complies with ISO/IEC 11801, IEC 61156-5, EN 50173-1, EN 50288-4-1 and EN 50575:2014 (EuroClass)
- Third-party independent certificates of compliance are available
- Supports Power over Ethernet (PoE) — see specification sheets for full PoE capabilities

C

[A] ATLAS-X1 CAT 8 CABLES	
DESCRIPTION	PART NO.
Cat 8 S/FTP Cable, CMR and LSHF/LSZH, blue, 500 m reel, EuroClass Dca	126-SFS8D-5LS
[B] CAT 7A S/FTP CABLES	
Cat 7A S/FTP Cable, LSHF/LSZH, green, 500 m reel, EuroClass Cca	UM12-Cca-500GN
Cat 7A S/FTP Cable, LSHF/LSZH, green, 1000 m reel, EuroClass Cca	UM12-Cca-1000GN
Cat 7A S/FTP Cable, LSHF/LSZH, blue, 500 m reel, EuroClass Dca	UM12-Dca-500BU
Cat 7A S/FTP Cable, LSHF/LSZH, blue, 1000 m reel, EuroClass Dca	UM12-Dca-1000BU
Cat 7A S/FTP Cable, LSHF/LSZH, violet, 500 m reel, EuroClass Eca	UM12-HF1-Eca-500VT
Cat 7A S/FTP Cable, LSHF/LSZH, violet, 1000 m reel, EuroClass Eca	UM12-HF1-Eca-1000VT
Cat 7A S/FTP Cable, LSHF/LSZH, violet, duplex, 500 m reel, EuroClass Eca	UM12-HF1-Eca-D500VT
[C] CAT 7 S/FTP CABLES	
Cat 7 S/FTP Cable, LSHF/LSZH, orange, 500 m reel, EuroClass B2ca	UM10-B2ca-500OR
Cat 7 S/FTP Cable, LSHF/LSZH, orange, 1000 m reel, EuroClass B2ca	UM10-B2ca-1000OR
Cat 7 S/FTP Cable, LSHF/LSZH, green, 500 m reel, EuroClass Cca	UM10-Cca-500GN
Cat 7 S/FTP Cable, LSHF/LSZH, green, 1000 m reel, EuroClass Cca	UM10-Cca-1000GN
Cat 7 S/FTP Cable, LSHF/LSZH, blue, 500 m reel, EuroClass Dca	UM10-Dca-500BU
Cat 7 S/FTP Cable, LSHF/LSZH, blue, 1000 m reel, EuroClass Dca	UM10-Dca-1000BU
Cat 7 S/FTP Cable, LSHF/LSZH, blue, duplex, 500 m reel, EuroClass Dca	UM10-Dca-D500BU
Cat 7 S/FTP Cable, LSHF/LSZH, violet, 500 m reel, EuroClass Eca	UM10-HF1-Eca-500VT
Cat 7 S/FTP Cable, LSHF/LSZH, violet, 1000 m reel, EuroClass Eca	UM10-HF1-Eca-1000VT
Cat 7 S/FTP Cable, LSHF/LSZH, violet, duplex, 500 m reel, EuroClass Eca	UM10-HF1-Eca-D500VT
CAT 7 S/FTP CABLES (EXTERNAL POLYETHYLENE SHEATH)	
Cat 7 S/FTP External Cable, LSHF/LSZH, black, 500 m reel	UM10-HF1-X-500BK
Cat 7 S/FTP External Cable, LSHF/LSZH, black, 1000 m reel	UM10-HF1-X-1000BK

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

A

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_A performance
- Complies with ISO/IEC 11801, IEC 61156-5, EN 50173-1, EN 50288-10-1 and EN 50575:2014 (EuroClass)
- Supports Power over Ethernet (PoE) — see specification sheets for full PoE capabilities

COPPER

Cable

[A] CAT 6A S/FTP CABLES

DESCRIPTION	PART NO.
Cat 6A S/FTP Cable, LSHF/LSZH, orange, 500 m reel, EuroClass B2ca	AC6S/FTP-B2ca-500OR
Cat 6A S/FTP Cable, LSHF/LSZH, orange, 1000 m reel, EuroClass B2ca	AC6S/FTP-B2ca-1000OR
Cat 6A S/FTP Cable, LSHF/LSZH, green, 500 m reel, EuroClass Cca	AC6S/FTP-Cca-500GN
Cat 6A S/FTP Cable, LSHF/LSZH, green, 1000 m reel, EuroClass Cca	AC6S/FTP-Cca-1000GN
Cat 6A S/FTP Cable, LSHF/LSZH, blue, 500 m reel, EuroClass Dca	AC6S/FTP-Dca-500BU
Cat 6A S/FTP Cable, LSHF/LSZH, blue, 1000 m reel, EuroClass Dca	AC6S/FTP-Dca-1000BU
Cat 6A S/FTP Cable, LSHF/LSZH, violet, 500 m reel, EuroClass Eca	AC6S/FTP-HF1-Eca-500VT
Cat 6A S/FTP Cable, LSHF/LSZH, violet, 1000 m reel, EuroClass Eca	AC6S/FTP-HF1-Eca-1000VT
Cat 6A S/FTP Cable, LSHF/LSZH, violet, duplex, 500 m reel, EuroClass Eca	AC6S/FTP-HF1-Eca-D500VT

CAT 6A F/FTP CABLES

Cat 6A F/FTP Cable, LSHF/LSZH, orange, 500 m reel, EuroClass B2ca	AC6F/FTP-B2ca-500OR
Cat 6A F/FTP Cable, LSHF/LSZH, orange, 1000 m reel, EuroClass B2ca	AC6F/FTP-B2ca-1000OR
Cat 6A F/FTP Cable, LSHF/LSZH, green, 500 m reel, EuroClass Cca	AC6F/FTP-Cca-500GN
Cat 6A F/FTP Cable, LSHF/LSZH, green, 1000 m reel, EuroClass Cca	AC6F/FTP-Cca-1000GN
Cat 6A F/FTP Cable, LSHF/LSZH, blue, 500 m reel, EuroClass Dca	AC6F/FTP-Dca-500BU
Cat 6A F/FTP Cable, LSHF/LSZH, blue, 1000 m reel, EuroClass Dca	AC6F/FTP-Dca-1000BU
Cat 6A F/FTP Cable, LSHF/LSZH, blue, duplex, 500 m reel, EuroClass Dca	AC6F/FTP-Dca-D500BU
Cat 6A F/FTP Cable, LSHF/LSZH, violet, 500 m reel, EuroClass Eca	AC6F/FTP-HF1-Eca-500VT
Cat 6A F/FTP Cable, LSHF/LSZH, violet, 1000 m reel, EuroClass Eca	AC6F/FTP-HF1-Eca-1000VT
Cat 6A F/FTP Cable, LSHF/LSZH, violet, duplex, 500 m reel, EuroClass Eca	AC6F/FTP-HF1-Eca-D500VT

CAT 6A U/FTP CABLES

Cat 6A U/FTP Cable, LSHF/LSZH, orange, 500 m reel, EuroClass B2ca	AC6U/FTP-B2ca-500OR1
Cat 6A U/FTP Cable, LSHF/LSZH, green, 500 m reel, EuroClass Cca	AC6U/FTP-Cca-500GN
Cat 6A U/FTP Cable, LSHF/LSZH, green, 1000 m reel , EuroClass Cca	AC6U/FTP-Cca-1000GN
Cat 6A U/FTP Cable, LSHF/LSZH, blue, 500 m reel, EuroClass Dca	AC6U/FTP-Dca-500BU
Cat 6A U/FTP Cable, LSHF/LSZH, blue, 1000 m reel, EuroClass Dca	AC6U/FTP-Dca-1000BU
Cat 6A U/FTP Cable, LSHF/LSZH, blue, duplex, 500 m reel, EuroClass Dca	AC6U/FTP-Dca-D500BU
Cat 6A U/FTP Cable, LSHF/LSZH, violet, 500 m reel, EuroClass Eca	AC6U/FTP-HF1-Eca-500VT
Cat 6A U/FTP Cable, LSHF/LSZH, violet, 1000 m reel, EuroClass Eca	AC6U/FTP-HF1-Eca-1000VT
Cat 6A U/FTP Cable, LSHF/LSZH, violet, duplex, 500 m reel, EuroClass Eca	AC6U/FTP-HF1-Eca-D500VT

CAT 6A U/FTP ZONE CABLES

Cat 6A U/FTP Zone Cable, LSHF/LSZH, orange, 305 m Reelex Box, EuroClass B2ca	AC6-DCZ-B2ca-Rlx-305OR
Cat 6A U/FTP Zone Cable, LSHF/LSZH, orange, 500 m reel, EuroClass B2ca	AC6-DCZ-B2ca-500OR
Cat 6A U/FTP Zone Cable, LSHF/LSZH, orange, 1000 m reel, EuroClass B2ca	AC6-DCZ-B2ca-1000OR
Cat 6A U/FTP Zone Cable, LSHF/LSZH, green, 305 m Reelex Box, EuroClass Cca	AC6-DCZ-Cca-Rlx-305GN
Cat 6A U/FTP Zone Cable, LSHF/LSZH, green, 500 m reel, EuroClass Cca	AC6-DCZ-Cca-500GN
Cat 6A U/FTP Zone Cable, LSHF/LSZH, green, 1000 m reel, EuroClass Cca	AC6-DCZ-Cca-1000GN
Cat 6A U/FTP Zone Cable, LSHF/LSZH, blue, 305 m Reelex Box, EuroClass Dca	AC6-DCZ-Dca-Rlx-305BU
Cat 6A U/FTP Zone Cable, LSHF/LSZH, blue, 500 m reel, EuroClass Dca	AC6-DCZ-Dca-500BU
Cat 6A U/FTP Zone Cable, LSHF/LSZH, blue, 1000 m reel, EuroClass Dca	AC6U-DCZ-Dca-1000BU
Cat 6A U/FTP Zone Cable, LSHF/LSZH, violet, 305 m Reelex Box, EuroClass Eca	AC6-DCZ-Eca-Rlx-305VT
Cat 6A U/FTP Zone Cable, LSHF/LSZH, violet, 500 m reel, EuroClass Eca	AC6-DCZ-Eca-500VT
Cat 6A U/FTP Zone Cable, LSHF/LSZH, violet, 1000 m reel, EuroClass Eca	AC6-DCZ-Eca-1000VT

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

COPPER

Cable

CAT 6A UNSHIELDED CABLES

- Independently tested and verified to meet ANSI/TIA Cat 6A and ISO 11801 Class E_A 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)
- Supports Power over Ethernet (PoE) — see specification sheets for full PoE capabilities

A

CAT 6A U/UTP CABLES (REULEAUX)

DESCRIPTION	PART NO.
Cat 6A U/UTP Reuleaux Cable, LSHF/LSZH, orange, 500m reel, EuroClass B2ca	AC6U-B2ca-500OR
Cat 6A U/UTP Reuleaux Cable, LSHF/LSZH, orange, 1000m reel, EuroClass B2ca	AC6U-B2ca-1000OR
Cat 6A U/UTP Reuleaux Cable, LSHF/LSZH, green, 500m reel, EuroClass Cca	AC6U-Cca-500GN
Cat 6A U/UTP Reuleaux Cable, LSHF/LSZH, green, 1000m reel, EuroClass Cca	AC6U-Cca-1000GN
Cat 6A U/UTP Reuleaux Cable, LSHF/LSZH, blue, 500 m reel, EuroClass Dca	AC6U-Dca-500BU
Cat 6A U/UTP Reuleaux Cable, LSHF/LSZH, blue, 1000 m reel, EuroClass Dca	AC6U-Dca-1000BU
Cat 6A U/UTP Reuleaux Cable, LSHF/LSZH, violet, 500 m reel, EuroClass Eca	AC6U-HF1-Eca-500VT
Cat 6A U/UTP Reuleaux Cable, LSHF/LSZH, violet, 1000 m reel, EuroClass Eca	AC6U-HF1-Eca-1000VT

[A] CAT 6A U/UTP CABLES

DESCRIPTION	PART NO.
Cat 6A U/UTP Cable LSHF/LSZH, EuroClass B2ca	AC6U-B2ca-500OR1
Cat 6A U/UTP Cable, LSHF/LSZH, EuroClass Cca	AC6U-Cca-500GN1

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

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 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)
- Supports Power over Ethernet (PoE) — see specification sheets for full PoE capabilities

B

CAT 6 S/FTP CABLES

DESCRIPTION	PART NO.
Cat 6 S/FTP Cable, LSHF/LSZH, orange, 500 m reel, EuroClass B2ca	C6S/FTP-B2ca-500OR
Cat 6 S/FTP Cable, LSHF/LSZH, orange, 1000 m reel, EuroClass B2ca	C6S/FTP-B2ca-1000OR
Cat 6 S/FTP Cable, LSHF/LSZH, green, 500 m reel, EuroClass Cca	C6S/FTP-Cca-500GN
Cat 6 S/FTP Cable, LSHF/LSZH, green, 1000 m reel, EuroClass Cca	C6S/FTP-Cca-1000GN
Cat 6 S/FTP Cable, LSHF/LSZH, blue, 500 m reel, EuroClass Dca	C6S/FTP-Dca-500BU
Cat 6 S/FTP Cable, LSHF/LSZH, blue, 1000 m reel, EuroClass Dca	C6S/FTP-Dca-1000BU
Cat 6 S/FTP Cable, LSHF/LSZH, violet, 500 m reel, EuroClass Eca	C6S/FTP-HF1-Eca-500VT
Cat 6 S/FTP Cable, LSHF/LSZH, violet, 1000 m reel, EuroClass Eca	C6S/FTP-HF1-Eca-1000VT
Cat 6 S/FTP Cable, LSHF/LSZH, violet, duplex, 500 m reel, EuroClass Eca	C6S/FTP-HF1-Eca-D500VT

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

[B] CAT 6 F/FTP CABLES

DESCRIPTION	PART NO.
Cat 6 F/FTP Cable, LSHF/LSZH, orange, 500 m reel, EuroClass B2ca	C6F/FTP-B2ca-500OR
Cat 6 F/FTP Cable, LSHF/LSZH, orange, 1000 m reel, EuroClass B2ca	C6F/FTP-B2ca-1000OR
Cat 6 F/FTP Cable, LSHF/LSZH, green, 500 m reel, EuroClass Cca	C6F/FTP-Cca-500GN
Cat 6 F/FTP Cable, LSHF/LSZH, green, 1000 m reel, EuroClass Cca	C6F/FTP-Cca-1000GN
Cat 6 F/FTP Cable, LSHF/LSZH, blue, 500 m reel, EuroClass Dca	C6F/FTP-Dca-500BU
Cat 6 F/FTP Cable, LSHF/LSZH, blue, 1000 m reel, EuroClass Dca	C6F/FTP-Dca-1000BU
Cat 6 F/FTP Cable, LSHF/LSZH, blue, duplex, 500 m reel, EuroClass Dca	C6F/FTP-Dca-D500BU
Cat 6 F/FTP Cable, LSHF/LSZH, violet, 500 m reel, EuroClass Eca	C6F/FTP-HF1-Eca-500VT
Cat 6 F/FTP Cable, LSHF/LSZH, violet, 1000 m reel, EuroClass Eca	C6F/FTP-HF1-Eca-1000VT
Cat 6 F/FTP Cable, LSHF/LSZH, violet, duplex, 500 m reel, EuroClass Eca	C6F/FTP-HF1-Eca-D500VT

CAT 6 U/FTP CABLES

DESCRIPTION	PART NO.
Cat 6 U/FTP Cable, LSHF/LSZH, green, 500 m reel, EuroClass Cca	C6U/FTP-Cca-500GN
Cat 6 U/FTP Cable, LSHF/LSZH, green, 1000 m reel, EuroClass Cca	C6U/FTP-Cca-1000GN
Cat 6 U/FTP Cable, LSHF/LSZH, blue, 500 m reel, EuroClass Dca	C6U/FTP-Dca-500BU
Cat 6 U/FTP Cable, LSHF/LSZH, blue, 1000 m reel, EuroClass Dca	C6U/FTP-Dca-1000BU
Cat 6 U/FTP Cable, LSHF/LSZH, violet, 305 m Reelex Box, EuroClass Eca	C6U/FTP-HF1-Eca-305VT
Cat 6 U/FTP Cable, LSHF/LSZH, violet, 500 m reel, EuroClass Eca	C6U/FTP-HF1-Eca-500VT
Cat 6 U/FTP Cable, LSHF/LSZH, violet, 1000 m reel, EuroClass Eca	C6U/FTP-HF1-Eca-1000VT
Cat 6 U/FTP Cable, LSHF/LSZH, violet, duplex, 500 m reel, EuroClass Eca	C6U/FTP-HF1-Eca-D500VT

CAT 6 F/UTP CABLE

DESCRIPTION	PART NO.
Cat 6 F/UTP Cable, LSHF/LSZH, blue, 305 m Reelex Box, EuroClass Dca	C6F/UTP-Dca-Rlx-305BU
Cat 6 F/UTP Cable, LSHF/LSZH, blue, 500 m reel, EuroClass Dca	C6F/UTP-Dca-500BU
Cat 6 F/UTP Cable, LSHF/LSZH, blue, 1000 m reel, EuroClass Dca	C6F/UTP-Dca-1000BU
Cat 6 F/UTP Cable, LSHF/LSZH, blue, duplex, 500 m reel, EuroClass Dca	C6F/UTP-Dca-D500BU
Cat 6 F/UTP Cable, LSHF/LSZH, violet, 305 m Reelex Box, EuroClass Eca	C6F/UTP-HF1-Eca-Rlx-305VT
Cat 6 F/UTP Cable, LSHF/LSZH, violet, 500 m reel, EuroClass Eca	C6F/UTP-HF1-Eca-500VT
Cat 6 F/UTP Cable, LSHF/LSZH, violet, 1000 m reel, EuroClass Eca	C6F/UTP-HF1-Eca-1000VT
Cat 6 F/UTP Cable, LSHF/LSZH, violet, duplex, 500 m reel, EuroClass Eca	C6F/UTP-HF1-Eca-D500VT

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

COPPER

Cable

A

CAT 6 UNSHIELDED CABLES

- Meets ISO/IEC 11801 Class E standards
- Optimum support for Gigabit Ethernet
- 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 Power over Ethernet (PoE) — see specification sheets for full PoE capabilities

[A] CAT 6 U/UTP CABLES	
DESCRIPTION	**PART NO.**
Cat 6 U/UTP Cable, LSHF/LSZH, orange, 305 m Reelex Box, EuroClass B2ca	C6UR-B2ca-Rlx-305OR
Cat 6 U/UTP Cable, LSHF/LSZH, green, 305 m Reelex Box, EuroClass Cca	C6UR-Cca-Rlx-305GN
Cat 6 U/UTP Cable, LSHF/LSZH, blue, 305 m Reelex Box, EuroClass Dca	C6U-Dca-Rlx-305BU
Cat 6 U/UTP Cable, LSHF/LSZH, blue, 500 m reel, EuroClass Dca	C6U-Dca-500BU
Cat 6 U/UTP Cable, LSHF/LSZH, blue, 1000 m reel, EuroClass Dca	C6U-Dca-1000BU
Cat 6 U/UTP Cable, LSHF/LSZH, violet, 305 m Reelex Box, EuroClass Eca	C6U-HF1-Eca-Rlx-305VT
Cat 6 U/UTP Cable, LSHF/LSZH, violet, 500 m reel, EuroClass Eca	C6U-HF1-Eca-500VT
Cat 6 U/UTP Cable, LSHF/LSZH, violet, 1000 m reel, EuroClass Eca	C6U-HF1-Eca-1000VT
Cat 6 U/UTP Cable, LSHF/LSZH, violet, duplex, 500 m reel, EuroClass Eca	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

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

A

B
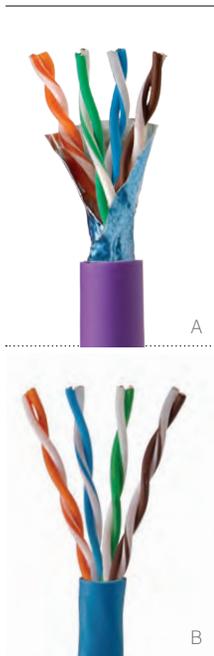
CAT 5E SHIELDED CABLES

- 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 IEEE 802.3 1000BASE-T, and ISO/IEC 11801 Class D standards
- Complies with ISO/IEC 11801, IEC 61156-5, EN 50173-1, EN 50288-2-1 and EN 50575:2014 (EuroClass)
- Supports Power over Ethernet (PoE) — see specification sheets for full PoE capabilities

CAT 5E UNSHIELDED CABLES

- Supports 10BASE-T, 100BASE-T, and 1000BASE-T Ethernet
- Independently tested and verified to exceed IEEE 802.3 1000BASE-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)
- Supports Power over Ethernet (PoE) — see specification sheets for full PoE capabilities

CAT 5E F/UTP CABLES	
DESCRIPTION	**PART NO.**
Cat 5e F/UTP Cable, LSHF/LSZH, blue, 500 m reel, EuroClass Dca	GPF-Dca-500BU
Cat 5e F/UTP Cable, LSHF/LSZH, blue, 1000 m reel, EuroClass Dca	GPF-Dca-1000BU
Cat 5e F/UTP Cable, LSHF/LSZH, violet, 500 m reel, EuroClass Eca	GPF-HF1-Eca-500VT
Cat 5e F/UTP Cable, LSHF/LSZH, violet, 1000 m reel, EuroClass Eca	GPF-HF1-Eca-1000VT
Cat 5e F/UTP Cable, LSHF/LSZH, violet, duplex, 500 m reel, EuroClass Eca	GPF-HF1-Eca-D500VT
[A] CAT 5E SF/UTP CABLES	
Cat 5e SF/UTP Cable, LSHF/LSZH, violet, 500 m reel, EuroClass Eca	GPS-HF1-Eca-500VT
Cat 5e SF/UTP Cable, LSHF/LSZH, violet, 1000 m reel, EuroClass Eca	GPS-HF1-Eca-1000VT
Cat 5e SF/UTP Cable, LSHF/LSZH, violet, duplex, 500 m reel, EuroClass Eca	GPS-HF1-Eca-D500VT
[B] CAT 5E U/UTP CABLES	
Cat 5e U/UTP Cable, LSHF/LSZH, blue, 305 m Reelex Box, EuroClass Dca	GPU-Dca-Rlx-305BU
Cat 5e U/UTP Cable, LSHF/LSZH, blue, 500 m reel, EuroClass Dca	GPU-Dca-500BU
Cat 5e U/UTP Cable, LSHF/LSZH, blue, 1000 m reel, EuroClass Dca	GPU-Dca-1000BU
Cat 5e U/UTP Cable, LSHF/LSZH, violet, 305 m Reelex Box, EuroClass Eca	GPU-HF1-Eca-Rlx-305VT
Cat 5e U/UTP Cable, LSHF/LSZH, violet, 500 m reel, EuroClass Eca	GPU-HF1-Eca-500VT
Cat 5e U/UTP Cable, LSHF/LSZH, violet, 1000 m reel, EuroClass Eca	GPU-HF1-Eca-1000VT
Cat 5e U/UTP Cable, LSHF/LSZH, violet, duplex, 500 m reel, EuroClass Eca	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 are available. Please contact your local Leviton representative.

Copper Tools & Labeling

We have 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 or LSA-style IDCs with a single push on the handle. Specialised termination tools, test equipment, crimping tools, and other accessories complete the collection.

A B C D E

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 Termination Tool for patch panel terminations
- Compatible with eXtreme™ and GigaMax™ jacks and QuickPort™ AV connectors

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 and LSA IDC blades
- Terminate 22-, 24-, or 26-gauge wire

EZ-RJ45™ CRIMP TOOL

- Quick, cost-effective unshielded wire terminations
- Built-in cutter and stripper that crimps and cuts wire in one operation

TERMINATION TOOLS & BLADES	
DESCRIPTION	PART NO.
[A] Palm Termination Tool, for eXtreme and GigaMax jacks and QuickPort AV connectors	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] EZ-RJ45 Crimp Tool	40989-ACT

COPPER TOOLS & LABELING | Tools

COPPER

A   B   C   D

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

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 jack body to prevent shorts in metal housings (recommended for Atlas-X1™ QuickPort™ and tool-free Plus jacks)

MASTER COMPRESSION TOOL

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

MULTI-PAIR TERMINATION TOOLS & ACCESSORIES	
DESCRIPTION	**PART NO.**
[A] 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	
[B] Klein Tools Electrician's Scissors	49886-SIS
[C] Klein Tools Flush Cutter (must be ordered in increments of 5)	49886-FCS
MASTER COMPRESSION TOOL	
[D] Master Compression Tool	40989-CPT

A

B

C

Cat 6

D

Cat 5e

E

Label Holder

F
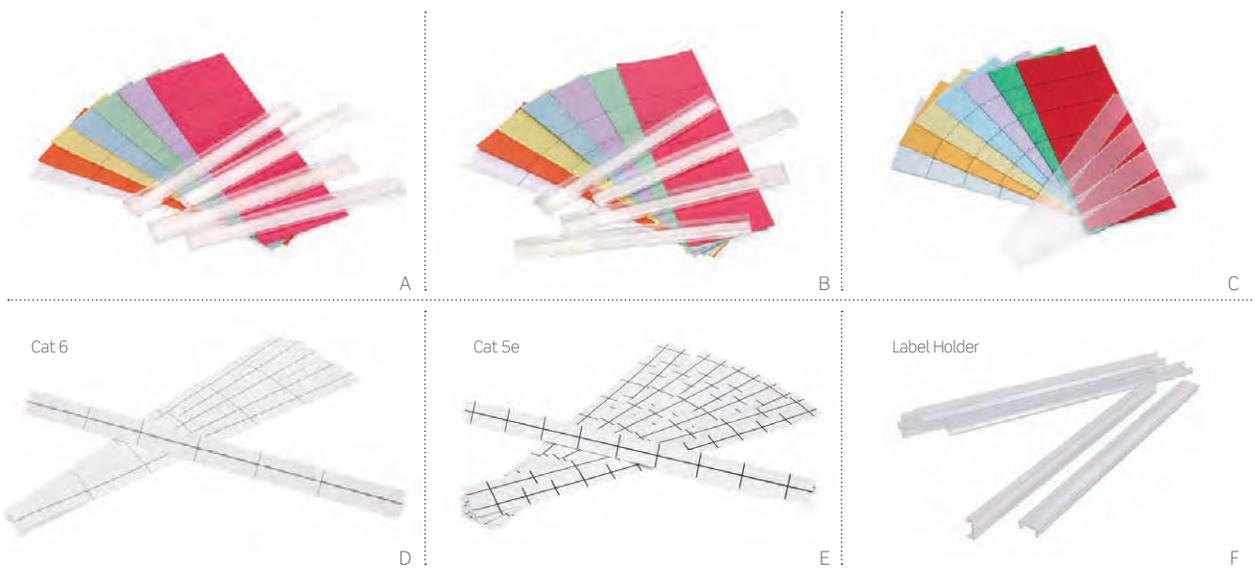
WORK-AREA LABELING SOLUTIONS	
DESCRIPTION	PART NO.
Pre-printed Port Labels, black ink, 10 sheets per package	41080-LEB
PATCH PANEL LABELING SOLUTIONS	
[A] Adhesive Holder and Labels Kit for QuickPort™ Panels (supports 24 ports)	49257-QHD
[B] Adhesive Holder and Labels Kit for 110-Style Panels (supports 24 ports)	49257-I24
[C] Designation Kit Replacement for 110-Style Panels (supports 24 ports)	69585-IDL
110-STYLE LABELING SOLUTIONS	
[D] Cat 6 Label Kit, 6 label strips per kit	41LBL-60W
[E] Cat 5e Label Kit, 6 label strips per kit	41LBL-00W
[F] Label Holder, 6 holders per kit	41100-HLD

SPOTLIGHT | Leviton Palm Termination Tool

Use the Leviton Palm Termination Tool (page A44) to quickly and easily punchdown jacks at the job site. The Palm Termination Tool was designed with installer 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™ Cat 6A/6/5e, GigaMax™ Cat 5e, and QuickPort AV jacks.

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

FIBER SOLUTIONS

SECTION **B** CONTENTS

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.

FIBER

Fiber Systems

SYSTEM FEATURES

Ultra-high-density (144 fibers per RU)

High-density (96 fibers per RU)

Standard density (72 fibers per RU)

Angled panels eliminate need for patch cord cable managers

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

10/40/100/200/400 Gb/s migration simplifies tech upgrades

Precision-molded adapter plates for durable network connections

Traffic Analysis Points (TAPS) provide monitoring of networks

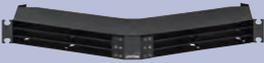Copper and fiber capability for network flexibility
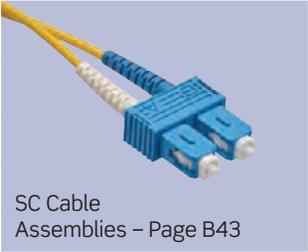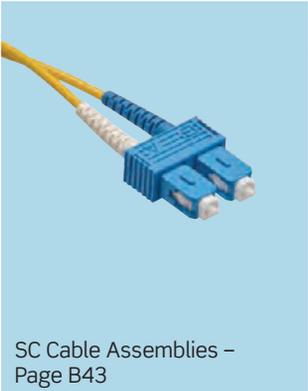
Zero rack-unit option

Cassettes with adjustable rear MTPs for improved bend radius

Field-splicing capability for flexibility and MACs

	HDX Data Center	HI-DEX™ Data Center	e2XHD Data Center	SDX Enterprise	FiberPlus Enterprise
	Ultra-high-density platforms 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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	✔	✔		✔	
			✔		
	✔	✔		✔	✔

FIBER SOLUTIONS | Recommended Systems

APPLICATIONS		CASSETTES / ADAPTER PLATES	ENCLOSURES / PANELS
DATA CENTER	**Multimode** • High-performance computer clusters • High-bandwidth enterprise • VCSEL-based propagation	 HDX – Page B11	 UHDX Enclosures – Page B10 UHDX Panels – Page B10
	Single-mode • Containerized data centers • Entrance facilities and equipment rooms	 HI-DEX™ – Page B29 e2XHD – Page B26	 HI-DEX – Page B28 e2XHD – Page B25
ENTERPRISE	**Multimode** • Building backbones and zone cabling • Legacy cabling (for OM1 & OM2 fiber types) • Low-bandwidth enterprise, automation, security	 SDX – Page B19	 2000i SDX – Page B16 1000i SDX – Page B16 500i SDX – Page B17
	Single-mode • Campus and building backbones • Long distances	 FibrePlus – Page B32	 FibrePlus – Page B32

FIELD TERMINATED CONNECTORS	CABLE ASSEMBLIES	FIBER TYPE & SPECIFICATION CHART

FastCAM™ LC – Page B70

MTP™ or LC Cable Assemblies Pages B40-B41

SPECIFICATION	OM3		OM4	
	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)	1500	500	3500	500
Effective Modal Bandwidth (EMB)(MHz•km)	2000[1]	N/A	4700[1]	N/A
1G Transmission Distance (m)	1000	600	1040	600
10G Transmission Distance (m)	300	300[2]	550	300[2]
40/100G Transmission Distance (m)	100	N/A	150	N/A

[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).
[3] Reach calculation is based on attenuation of ≤3.0 dB/km at 850 nm and 1.0 dB of connector loss.

FastCAM SC – Page B70

SC Cable Assemblies – Page B43

SPECIFICATION	OS2	
	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

Field Polish LC – Page B71

LC Cable Assemblies – Pages B41-B42

SPECIFICATION	OM1		OM2		OM3	
	850 nm	1300 nm	850 nm	1300 nm	850 nm	1300 nm
Max. Attenuation (dB/km)	3.5	1.0	3.0	1.0	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[1]	N/A
1G Transmission Distance (m)	300	600	750	600	1000	600
10G Transmission Distance (m)	36	300[2]	150	300[2]	300	300[2]
40/100G Transmission Distance (m)	N/A	N/A	N/A	N/A	100	N/A

Field Polish SC – Page B71

SC Cable Assemblies – Page B43

SPECIFICATION	OS2	
	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

FIBER

Fiber Solutions

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

HDX Frame Patch Deck

UHDX Panels

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

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

SDX
Wall-Mount Enclosures

500i SDX Enclosures

500i SDX Panels
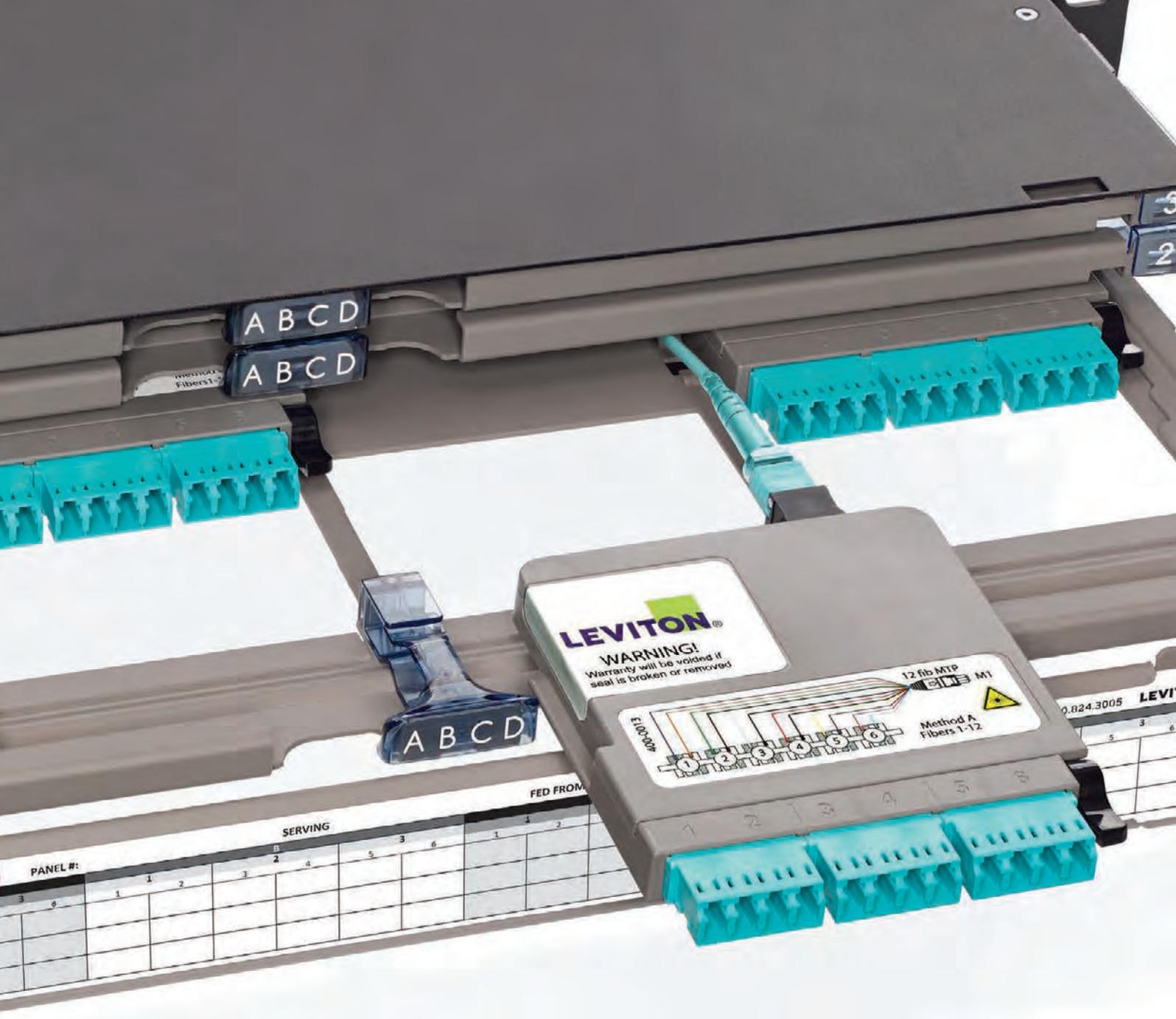
HDX Systems

Data centers and telecommunications rooms are rapidly outgrowing their footprint as they attempt to meet increasing bandwidth demands. The Leviton HDX cassette-based platform offers 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.

A, B, C

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HDX Systems

FIBER

UHDX RACK-MOUNT ENCLOSURES

- Accepts 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" Racks and Cabinets

UHDX 1RU FLAT & ANGLED PANELS

- 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/HDX2 cassettes or adapter plates
- Up to 144 fibers with LC connectors or 864 fibers with 12-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 panels without tools
- 0RU, 1RU, and 2RU cable managers provide protection and routing of patch cords for flat panels

UHDX RACK-MOUNT ENCLOSURES & PANELS

		MAXIMUM CAPACITY					
DESCRIPTION		FIBERS (USING LC)	FIBERS (USING MTP)	ADAPTER PLATES	SPLICE MODULES	OR MTP CASSETTES*	PART NO.
[A]	1RU UHDX Enclosure, empty	144	864	12	12	12/6	5R1UD-S12
[B]	2RU UHDX Enclosure, empty	288	1,728	24	24	24/12	5R2UD-S24
[C]	4RU UHDX Enclosure, empty	576	3,456	48	48	48/24	5R4UD-S48
[D]	1RU UHDX Angled Panel, empty	144	864	12	12	12/6	HDX1A-144
[E]	1RU UHDX Flat Panel, empty	144	864	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
[F]	1RU Brush Guard, bag of 2	5RBSH-1UN
	2RU Brush Guard, bag of 2	5RBSH-2UN
[G]	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
[H]	Rear Cable Manager for Angled Panel, with cable management rings	E2XHD-CMB

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HDX2 MTP Cassette with
2x12 MTP to 24 LC (OM3)

HDX MTP Cassette
with 1x12 MTP™ to 12 LC (OM4)

HDX MTP Cassette
with 1x12 to 12-Fiber LC (OS2)

HDX & HDX2 MTP CASSETTES

- Easy to migrate from 10 to 40, 100, 200, and 400 Gb/s when used with Leviton cable assemblies
- 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

Make to order!
leviton.com/ns/emea/mto

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)

| 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)	32LM2-21C	42LM2-21C	U2LM2-21C
HDX, 8-Fiber, MTP to 8-Fiber LC, (100 to 25 Gb/s, 40 to 10 Gb/s)	[B] 38LM1-41C	48GM1-41C	U8LM1-41C
HDX2 TAP CASSETTES			
DESCRIPTION	OM3 (aqua)	OM4 (heather violet)	OS2 (blue)
Method B Edge 50:50 24-Fiber 2x12 MTP to LC	32LM1-BE5	42GM1-BE5	[C] U2LM1-BE5
Method B Edge 70:30 24-Fiber 2x12 MTP to LC	32LM1-BE7	42GM1-BE7	U2LM1-BE7

Make-to-Order! HDX/HDX2 CASSETTE OPTIONS				
FIBER TYPE	FIBER COUNT	CONNECTOR TYPE (FRONT)	MTP TYPE (REAR)	POLARITY
• OM3 • OM4 • OS2	• 12 • 24	• LC	• 12-Fiber MTP (male) • 24-Fiber MTP (male)	• Method A • Method B, Core • Method B, Edge • Method C • Conversion

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/ns/emea/mto or call Tech Support at +44 (0) 1592 778494.

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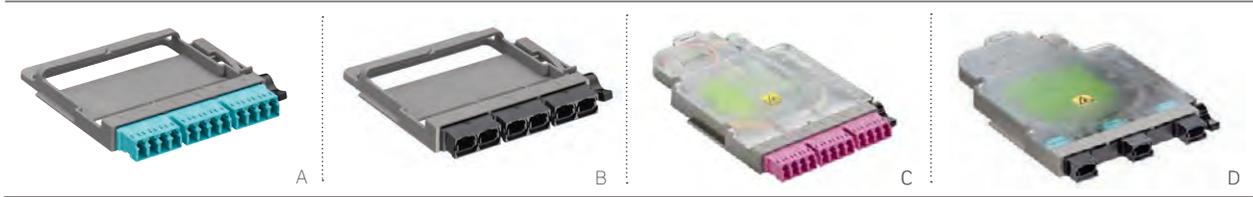
HDX ADAPTER PLATES

- 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
- 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

Make to order!
leviton.com/ns/emea/mto

HDX ADAPTER PLATES		
DESCRIPTION		**PART NO.**
	12-Fiber HDX Adapter Plate, OM1 & OM2, Quad LC, beige, zirconia ceramic sleeve	5FUHD-2IL
[A]	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]	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.**
[C]	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
[D]	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)

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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 µm or 900 µm 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 B11-B12 for HDX Cassettes and Adapter Plates.

FIBER

HDX Systems

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

INDUSTRY-LEADING DENSITY

One HDX Frame holds up to 22 patch decks, and occupies only one 600 x 600 mm 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.
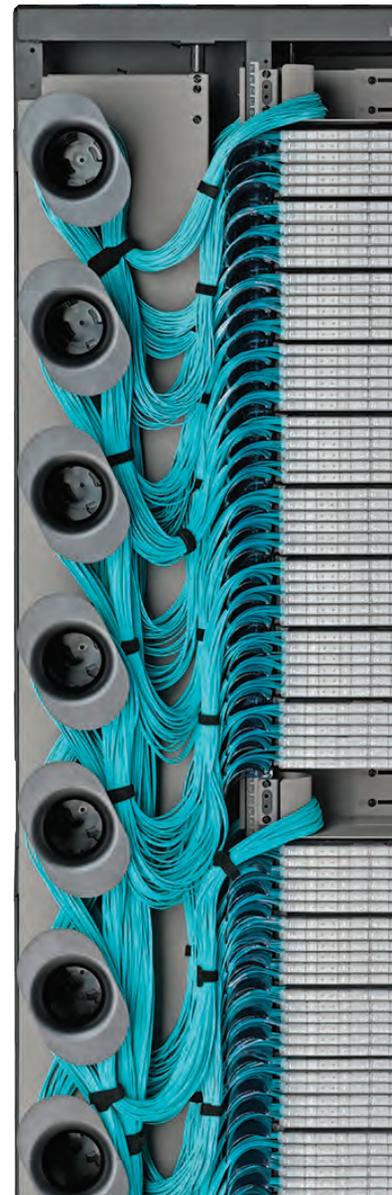
ROii Savings Calculator

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 (ROii) when installing the HDX Frame, and estimate your long-term savings over standard 19" cabinets or racks. Go to **apps.Leviton.com/HDXcalculator**.

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 for data centers or 1000i and 500i 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.

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SDX Systems

FIBER

2000i SDX 1RU/2RU/4RU RACK-MOUNT ENCLOSURES

- Accepts SDX adapter plates, splice trays, and splice modules (pages 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

1000i SDX 1RU/2RU/3RU/4RU 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:

Data Centers

Equipment Room

Entrance Facility

Telecommunications Room

19" Racks and Cabinets

RECOMMENDED APPLICATIONS:

Equipment Room

Telecommunications Room

19" Racks and Cabinets

2000i SDX RACK-MOUNT ENCLOSURES					
	MAXIMUM CAPACITY				
DESCRIPTION	**FIBERS (USING LC)**	**ADAPTER PLATES**	AND	**SPLICE TRAYS/ MODULES***	**PART NO.**
[A] 1RU 2000i SDX Enclosure, empty, sliding tray	72	3		3	5R1UH-S03
[B] 2RU 2000i SDX Enclosure, empty, sliding tray	144	6		6	5R2UH-S06
[C] 4RU 2000i SDX Enclosure, empty, sliding tray	288	12		12	5R4UH-S12
1000i SDX RACK-MOUNT ENCLOSURES					
1RU 1000i SDX Enclosure, empty	72	3		3	5R1UM-F03
[D] 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
[E] 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. Installation of multiple splice trays may require not installing tray covers.
° = Vertical adapter plate/cassette orientation   ^ = Horizontal adapter plate/cassette orientation

FIBER

SDX Systems

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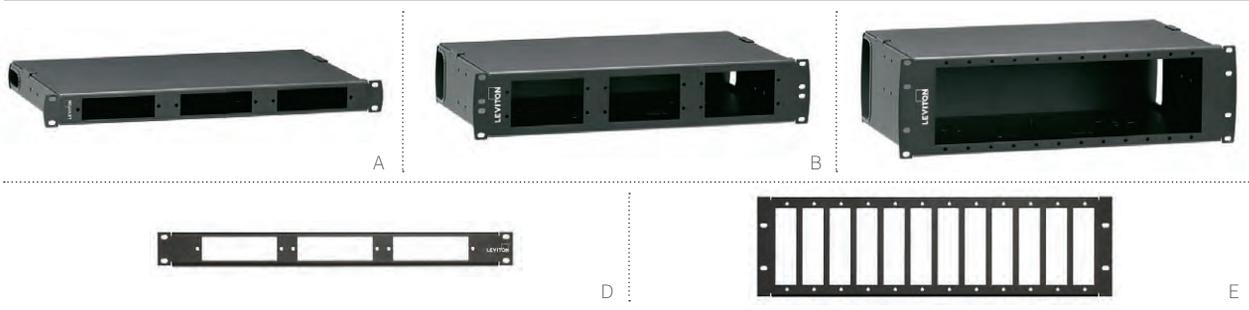
500i SDX FLUSH-MOUNT RACK ENCLOSURES

• 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.
See pages B19 for list of SDX adapter plates.

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.

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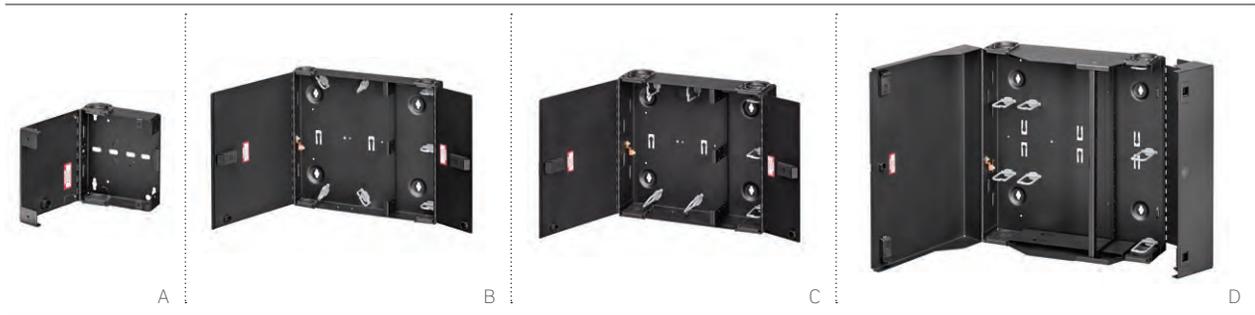
SDX WALL-MOUNT ENCLOSURES

- 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 makes it easy 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 size mounting options: wall-mount, DIN rail, zero-RU, or cubicle wall installations
- Optional adapter bracket allows enclosures to accommodate both Leviton SDX and HDX patching platforms (see page B19)
- Accepts 6 copper ports using Quickport Adapter Plate, 5F100-6QP

RECOMMENDED APPLICATIONS:

Telecommunications Room

Equipment Room

Fiber to the Desk (FTTD)

0RU

SDX WALL-MOUNT ENCLOSURES

| DESCRIPTION	MAXIMUM CAPACITY				PART NO.
	FIBERS (USING LC)	ADAPTER PLATES	AND	SPLICE TRAYS/ MODULES	
[A] Mini SDX Enclosure, empty, single door, no lock	24	1		N/A	5WMNT-01C
[B] Small SDX Enclosure, empty, dual doors, no lock	48	2		2	5WSML-02C
[C] Medium SDX Enclosure, empty, dual doors, no lock	96	4		4	5WMED-04C
[D] Large SDX Enclosure, empty, dual doors, no lock	288	12		12	5WLRG-12C

See pages B19 for list of SDX adapter plates.

See page B19 for list of SDX adapter plates.

2018 Cabling Installation & Maintenance Silver Innovators Awards

Mini SDX Enclosure
(LC adapter plate, pigtails, and cable sold separately)

Small SDX Enclosure
(LC adapter plate, pigtails, splice tray, and cable sold separately)

FIBER

SDX Systems

Row 1: A B C D E F G H I J K
Row 2: L M N O P Q R S T U V

SDX ADAPTER PLATES

- Work with SDX Enclosures, including the 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 accept all QuickPort modules

Front / Rear — Key Up / Key Down

Front / Rear — Key Up / Key Up
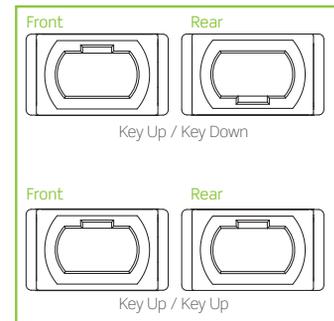
SDX RACK-MOUNT ENCLOSURE CAPACITY

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 Dplx LC = up to 72-fibers	6-pk Dplx LC = up to 108/144-fibers	6-pk Dplx LC = up to 144-fibers	6-pk Dplx LC = up to 144/180-fibers
6-pk Quad LC = up to 72-fibers	6-pk Quad LC = up to 144-fibers	6-pk Quad LC = up to 216/288-fibers	6-pk Quad LC = up to 288-fibers	6-pk Quad LC = up to 288/360-fibers
3-pk Dplx SC = up to 18-fibers	3-pk Dplx SC = up to 36-fibers	3-pk Dplx SC = up to 54/72-fibers	3-pk Dplx SC = up to 72-fibers	3-pk Dplx SC = up to 72/90-fibers
6-pk Dplx SC = up to 36-fibers	6-pk Dplx SC = up to 72-fibers	6-pk Dplx SC = up to 108/144-fibers	6-pk Dplx SC = up to 144-fibers	6-pk Dplx SC = up to 144/180-fibers
6-pk ST = up to 18-fibers	6-pk ST = up to 36-fibers	6-pk ST = up to 54/72-fibers	6-pk ST = up to 72-fibers	6-pk ST = up to 72/90-fibers
8-pk ST = up to 24-fibers	8-pk ST = up to 48-fibers	8-pk ST = up to 72/96-fibers	8-pk ST = up to 96-fibers	8-pk ST = up to 96/120-fibers

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 Dplx LC = up to 24-fibers	6-pk Dplx LC = up to 48-fibers	6-pk Dplx LC = up to 144-fibers
6-pk Quad LC = up to 24-fibers	6-pk Quad LC = up to 48-fibers	6-pk Quad LC = up to 96-fibers	6-pk Quad LC = up to 288-fibers
3-pk Dplx SC = up to 6-fibers	3-pk Dplx SC = up to 12-fibers	3-pk Dplx SC = up to 24-fibers	3-pk Dplx SC = up to 72-fibers
6-pk Dplx SC = up to 12-fibers	6-pk Dplx SC = up to 24-fibers	6-pk Dplx SC = up to 48-fibers	6-pk Dplx SC = up to 144-fibers
6-pk ST = up to 6-fibers	6-pk ST = up to 12-fibers	6-pk ST = up to 24-fibers	6-pk ST = up to 72-fibers
8-pk ST = up to 8-fibers	8-pk ST = up to 16-fibers	8-pk ST = up to 32-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

	DESCRIPTION	PART NO.
[R]	12-Fiber SDX Adapter Plate, black, OM4, Duplex LC, heather violet, zirconia ceramic sleeve*	5F100-12M
[S]	24-Fiber 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 Customer Service at +44 (0) 1592 772124 for more information.

SPOTLIGHT SDX Precision-Molded Adapter Plates
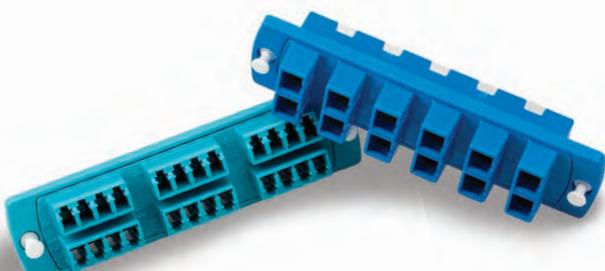
Traditional adapter plate construction typically uses independent couplers inserted in a metal plate that often results in a 'rattling' of components. Leviton SDX Adapter Plates eliminate rattling and loose-fitting adapters by using precision molding and integrated adapters, improving the overall performance, 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 Gbps and higher).

| A | B | C | D | E, F |
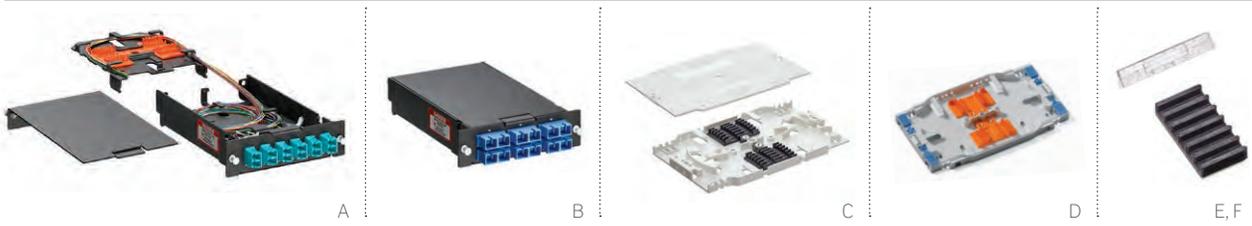
SDX 12- & 24-FIBER SPLICE MODULES

- 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 µm tight-buffer pigtails, 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.
[A] 12-Fiber Splice Module, LC* (includes splice sleeves)	SPLCS-12x
24-Fiber Splice Module, LC*	SPLCS-24x
[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)

12- & 24-FIBER SPLICE TRAY

DESCRIPTION	PART NO.
[C] 12-Fiber Heat-Shrink Splice Tray	FPCFCAS003
[D] 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

|		
[E]	KeyQuick Mechanical Splice 250µm, 900µm	FPCMS001
[F]	KeyQuick Mechanical Splice Holder	FPCMSH06

For assistance ordering your splice trays, please call Customer Service at +44 (0) 1592 772124.

SPOTLIGHT — Patch Cord Management Tray

Patch Cord Management Trays help route and organize cables. The trays feature identification labels and front saddles that pivot for easier routing. Because they mount directly to the front of the enclosures, they do not require additional rack space. Available in 1RU and 2RU sizes, the trays can be used with any Leviton 1RU flush-mount MTP enclosure or e2XHD flat panel, and 2RU trays can be used with 3RU 500i SDX enclosures. **See page B22.**

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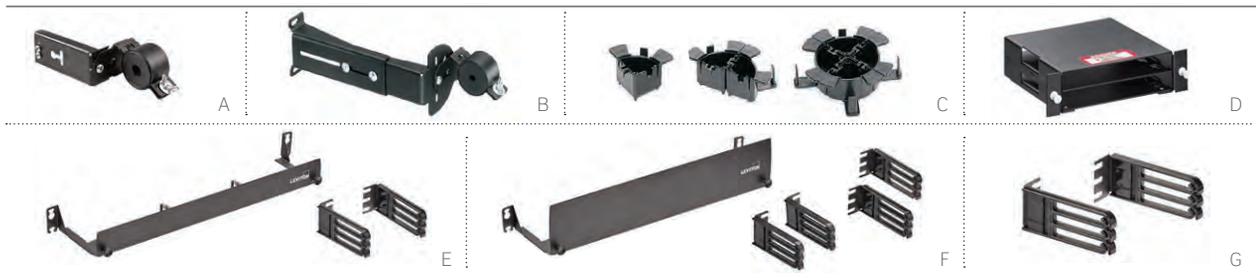
SDX SYSTEM ACCESSORIES

- 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 provide 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			
DESCRIPTION	PART NO.	2000i SDX	1000i SDX	500i SDX	SDX WALL-MOUNT
[A] 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] Universal Clamp Kit, single and multiple cable grommet (for rack mounting)^	5RCMR-KIT	X	X	X	
[C] 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		
[D] HDX-to-SDX Adapter Bracket^	HDXAD-ACC	X	X	X	X
[E] 1RU Patch Cord Management Tray, for use with any flat panels^	5R1UX-CMT			X	
[F] 2RU Patch Cord Management Tray, for use with any flat panels^	5R2UX-CMT			X	
[G] 0RU Patch Cord Managers, set 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

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 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 24-Fiber Cassette, MTP-LC, Edge

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.
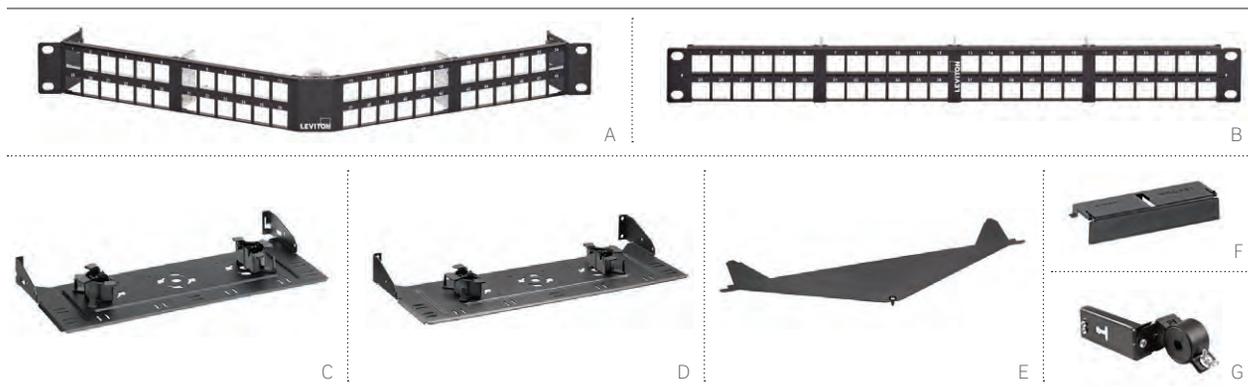

e2XHD 12-Fiber QuickPort™ LC Cassette, OM3 - Aqua

WATCH: TRAINING VIDEOS

Leviton.com/ns/videos
'e2XHD Cassette-Based Patching System'

FIBER

e2XHD Patching System

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

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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 unshielded, shielded, and fiber media	E2X1A-E48
[B]	1RU 48-Port e2XHD Flat High-Density Panel, supports unshielded, shielded, and fiber media	E2X1F-E48
[C]	e2XHD Rear Cable Manager for Angled Panel, with fiber storage rings (four quarter-round rings)	E2XHD-CMB
[D]	e2XHD Rear Cable Manager for Flat Panel, with fiber storage rings (four quarter-round rings)	E2X1F-CMB
[E]	e2XHD Angled Panel Cover	E2XHD-COV
[F]	e2XHD Cassette Blank	E2XHD-BLK
	QuickPort™ Jack 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

e2XHD SNAP-IN CASSETTE PATCHING SYSTEM | Cassettes

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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 Jack Removal Tool
- 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/ns/emea/mto or call +44 (0) 1592 778494.

Make to order!
leviton.com/ns/emea/mto
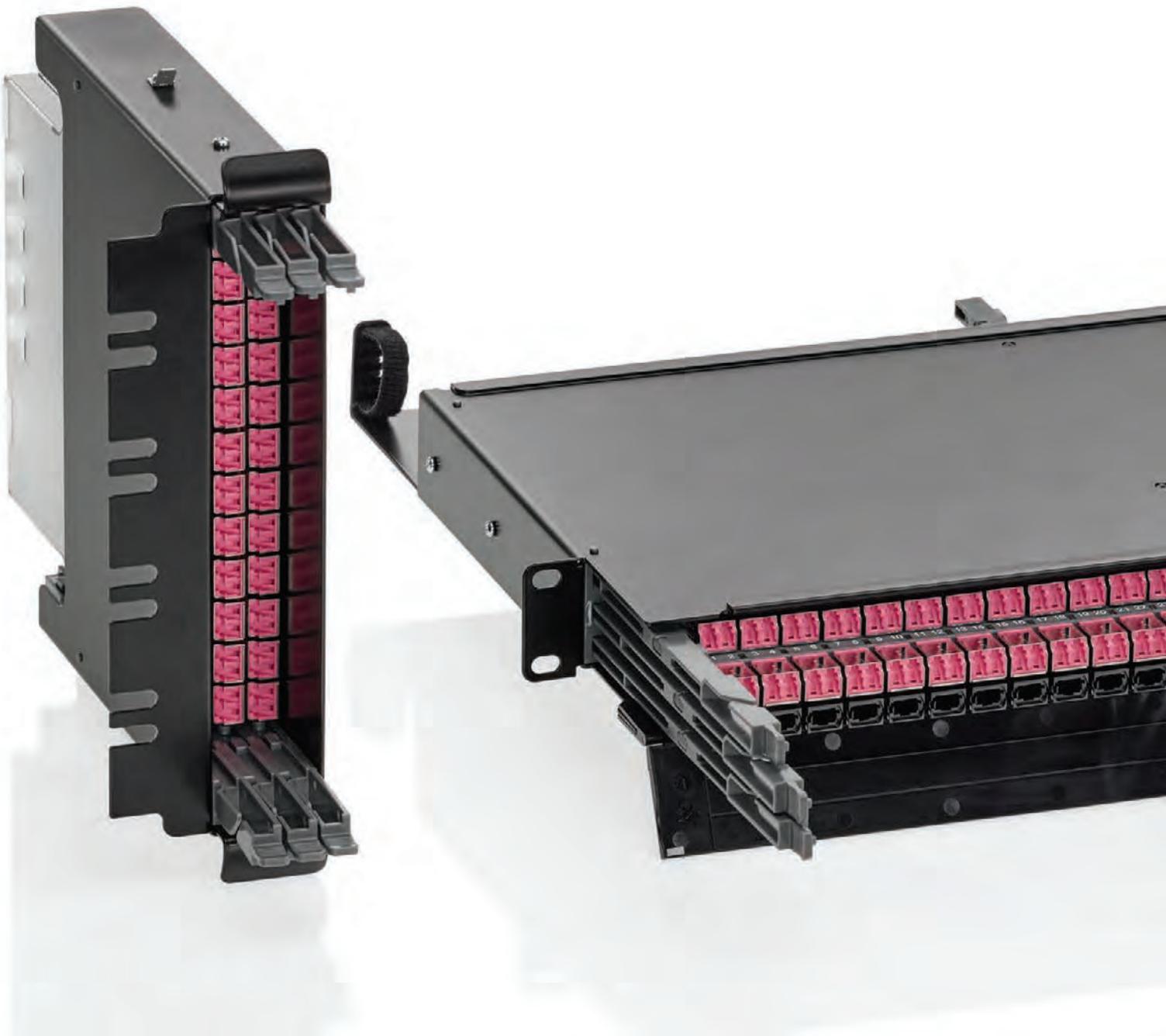
e2XHD PATCHING SYSTEM CASSETTES

DESCRIPTION	PART NO.
[A] 24-Fiber e2XHD Cassette, MTP-LC, core (2x12 Fiber MTP)	(see options below)
[B] 12-Fiber e2XHD Cassette, OM4, MTP-LC, core (1x12 Fiber MTP), heather violet	(see options below)
[C] 24-Fiber e2XHD Cassette, MTP-LC, edge (2x12 Fiber MTP)	(see options below)
[D] 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
[E] 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
[F] 8-Fiber e2XHD Conversion Cassette, 40G to 10G OM3, MTP-LC*	FME2XHD-E008CKQDJ
8-Fiber e2XHD Conversion Cassette, 40G to 10G OM4, MTP-LC, heather violet*	FME2XHD-F008CKEVDJ
8-Fiber e2XHD Conversion Cassette, 40G to 10G OS2, MTP-LC*	FME2XHD-A008CKLDJ
[G] 24-Fiber e2XHD Conversion Cassette, 120G to 10G OM3, MTP-LC*	FME2XHD-E024CHQES4
24-Fiber e2XHD Conversion Cassette, 120G to 10G OM4, MTP-LC, heather violet*	FME2XHD-F012CHEVES4
24-Fiber e2XHD Conversion Cassette, 120G to 10G OS2, MTP-LC*	FME2XHD-E024CHLES4

* = 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
• OM3 • OM4 • OS2	• 8 • 12 • 24	• LC • 8 F MTP (female)	• 12 F MTP	• Method A • Method B, Core, Black • Method B, Edge, White • Method C

FEATURED PRODUCTS

Panels **B28**

Cassettes **B29**

HI-DEX™ System

The HI-DEX patching system offers the perfect balance between density, administration, and realistic usability. Compact cassettes allow for up to 144 fibers in LC or 864 fibers in MTP™ in a 1RU space. The panel's modular and scalable design allows isolated access to split trays, ensuring a simple and intuitive yet cost-effective upgrade path.

HI-DEX System

FIBER

HI-DEX PANEL SETS

- 1RU 19-inch panel accommodates up to six HI-DEX cassettes or adapter plates
- High-fiber density of up to 144 LC fibers per RU
- Cassettes and adapter plates slide out individually, allowing unrestricted access to every port
- Cassettes and adapter plates can load from front or rear
- Labeling space for port, cassette, and panel identification
- Matching 1RU cable manager provides routing protection across the front of the rack
- Innovative finger management provides bend radius control, preventing disruption to fiber when sliding runners are moved

PANEL SETS		PART NO.
DESCRIPTION		**PART NO.**
[A]	1RU HI-DEX Panel, black	HDXPNL2
[B]	1RU HI-DEX Cable Manager, black	HDXM1U2
[C]	1RU HI-DEX Finger Management, black	HDXMNF2
ZERO U ACCESSORIES		
[D]	HI-DEX Side Rack Consolidation Point, 3 cassettes, black	HDXZSR2
[E]	HI-DEX Cable Tray Consolidation Point, 3 cassettes, black	HDXZCT2
[F]	HI-DEX 3U Hanging Rack Frame, black	HDXZHR2
[G]	HI-DEX 3U Under Floor Frame, black	HDXZUF2

HI-DEX™ SYSTEM | Cassettes & Adapter Plates

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HI-DEX CASSETTES & ADAPTER PLATES

- Plug-and-play cassettes and adapter plates allow flexibility in fiber type and patch presentation
- Ultra-high-performance connectors achieve a low-loss optical budget
- Cassettes provide 24-fiber MTP™-LC patching for 144-fibers in 1RU
- Shuttered LC adapters on closed cassettes have integrated dust and laser protection
- Adapter plates offer 24-fiber LC or 864-fiber MTP in a single cassette
- Cassettes can be configured with opposed or aligned MTP adapters, or UPC or APC LC adapters

Make to order!
leviton.com/ns/emea/mto

CASSETTES (OM3, OM4, and single-mode options use bend insensitive fiber as standard)	
DESCRIPTION	PART NO.
[A] 2x12 MTP-LC OM4 HI-DEX Cassette, B polarity	HDXBBTMLCOM424
2x12 MTP-LC OM3 HI-DEX Cassette, B polarity	HDXBBTMLCOM324
2x12 MTP-LC SM APC HI-DEX Cassette, B polarity	HDXBBTMAL10824
2x12 MTP-LC SM HI-DEX Cassette, B polarity	HDXBBTMLC10824
2x12 MTP-LC OM4 HI-DEX Cassette, A/C polarity	HDXACTMLCOM424
2x12 MTP-LC OM3 HI-DEX Cassette, A/C polarity	HDXACTMLCOM324
2x12 MTP-LC SM APC HI-DEX Cassette, A/C polarity	HDXACTMAL10824
2x12 MTP-LC SM HI-DEX Cassette, A/C polarity	HDXACTMLC10824
ADAPTER PLATES	
[B] 12 Simplex MTP (opposed) HI-DEX Adapter Plate	HDXOCAM144
12 Simplex MTP (aligned) HI-DEX Adapter Plate	HDXOCBM144
12 Duplex LC OS2 (blue) HI-DEX Adapter Plate	HDXOCLC10824
12 Duplex LC OM3 (aqua) HI-DEX Adapter Plate	HDXOCLCOM324
[C] 12 Duplex LC OM4 (heather violet) HI-DEX Adapter Plate	HDXOCLCOM424
Blank Open HI-DEX Adapter Plate	HDXOCBLK

Make-to-Order!	HI-DEX CASSETTE OPTIONS			
FIBER TYPE	FIBER COUNT	CONNECTOR TYPE (FRONT)	MTP TYPE (REAR)	POLARITY
• OM3	• 24	• LC UPC	• MTP (male)	• Method A
• OM4		• LC APC		• Method B
• OS2		• MTP (female)		• Method C

For assistance customizing your cassettes, please visit Leviton.com/ns/emea/mto or call +44 (0) 1592 778494.

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SPLICE CASSETTES

- High-density 24-fiber Splice Cassette allows up to 144 fibers to be spliced and managed in 1 rack unit
- 12 ultra-high-performance LC duplex adapters per cassette achieve a low-loss optical budget
- Shuttered adapters with integrated dust and laser protection as standard
- Accommodates 1-meter 250 μm fiber pigtails and up to 1-meter 900 μm incoming fiber
- Space for 4 incoming trunk cables up to 9 mm in diameter accomodates Leviton PDC and Unitube cable and individual Biolite™ Air Blown Fiber ducts
- Optimized fiber pathway for improved management and containment of fiber
- Printed port identification, colored fiber pairs, and a transparent lid assist with fiber identification and splice management

24-FIBER SPLICE CASSETTES	
DESCRIPTION	PART NO.
HI-DEX Splice LC SM Loaded with 24-fiber Pigtail Cassette	HDXSPLC20824
HI-DEX Splice LC SM Empty Cassette	HDXSPLC20800
HI-DEX Splice LC SM APC Loaded with 24-fiber Pigtail Cassette	HDXSPAL20824
HI-DEX Splice LC SM APC Empty Cassette	HDXSPAL20800
HI-DEX Splice LC OM3 Loaded with 24-fiber Pigtail Cassette	HDXSPLCOM324
HI-DEX Splice LC OM3 Empty Cassette	HDXSPLCOM300
[A] HI-DEX Splice LC OM4 Loaded with 24-fiber Pigtail Cassette	HDXSPLCOM424
HI-DEX Splice LC OM4 Empty Cassette	HDXSPLCOM400
250 μM FIBER PIGTAILS FOR 24-FIBER SPLICE CASSETTES	
12x LC SM 250μm 1 m Fiber Pigtails	HOTLC2087001000-12
12x LC SM APC 250μm 1 m Fiber Pigtails	HOTAL2087001000-12
12x LC OM3 250μm 1 m Fiber Pigtails	HOTLCOM37001000-12
12x LC OM4 250μm 1 m Fiber Pigtails	HOTLCOM47001000-12

Note: Each of the 12 fibers is individually colored as per TIA-598-D.
Individual 250μm pigtails in a range of colors are also available. Please contact Customer Service at +44 (0) 1592 772124 for more information.
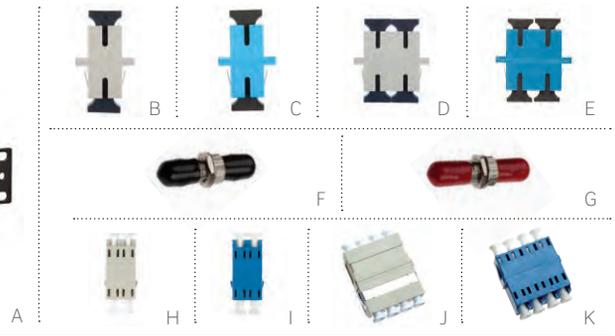
FEATURED PRODUCTS

Panels **B32-B34**

Adapters **B32**

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 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.**
[A] 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 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] SC, multimode, zirconia ceramic sleeve, beige	BHCSCMM001
[C] SC, single-mode, zirconia ceramic sleeve, blue	BHCSCSM001
[D] SC Duplex, multimode, zirconia ceramic sleeve, beige	BHCDCMM001
[E] SC Duplex, single-mode, zirconia ceramic sleeve, blue	BHCDCSM001
ST ADAPTERS	
[F] ST, multimode, zirconia ceramic sleeve	BHCSTMM001
[G] ST, single-mode, zirconia ceramic sleeve	BHCSTSM001
LC ADAPTERS	
[H] LC Duplex, multimode, zirconia ceramic sleeve, beige	BHCLCMM001
[I] LC Duplex, single-mode, zirconia ceramic sleeve, blue	BHCLCSM001
[J] LC Quad, multimode, zirconia ceramic sleeve, beige	BHCL4MM001
[K] LC Quad, single-mode, zirconia ceramic sleeve, blue	BHCL4SM001

FIBER

FibrePlus System

FibrePlus System

FIBER

A

FIBERPLUS PRELOADED PATCH PANELS

- 1RU 19-inch panels 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 for incoming cables
- Additional adapter blanking plugs are available on request
- Suitable for both Blolite™ and conventional fiber cables

FIBREPLUS - LOADED 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
[A]	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 to create 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.**
[A]	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]	1RU 19" Optical Dual Pivoting Panel populated with multimode flangeless LC Quad adapters	TCCPC1MM48LC2
	1RU 19" Optical Dual Pivoting Panel, unpopulated	TCCPC1XXXXXX2
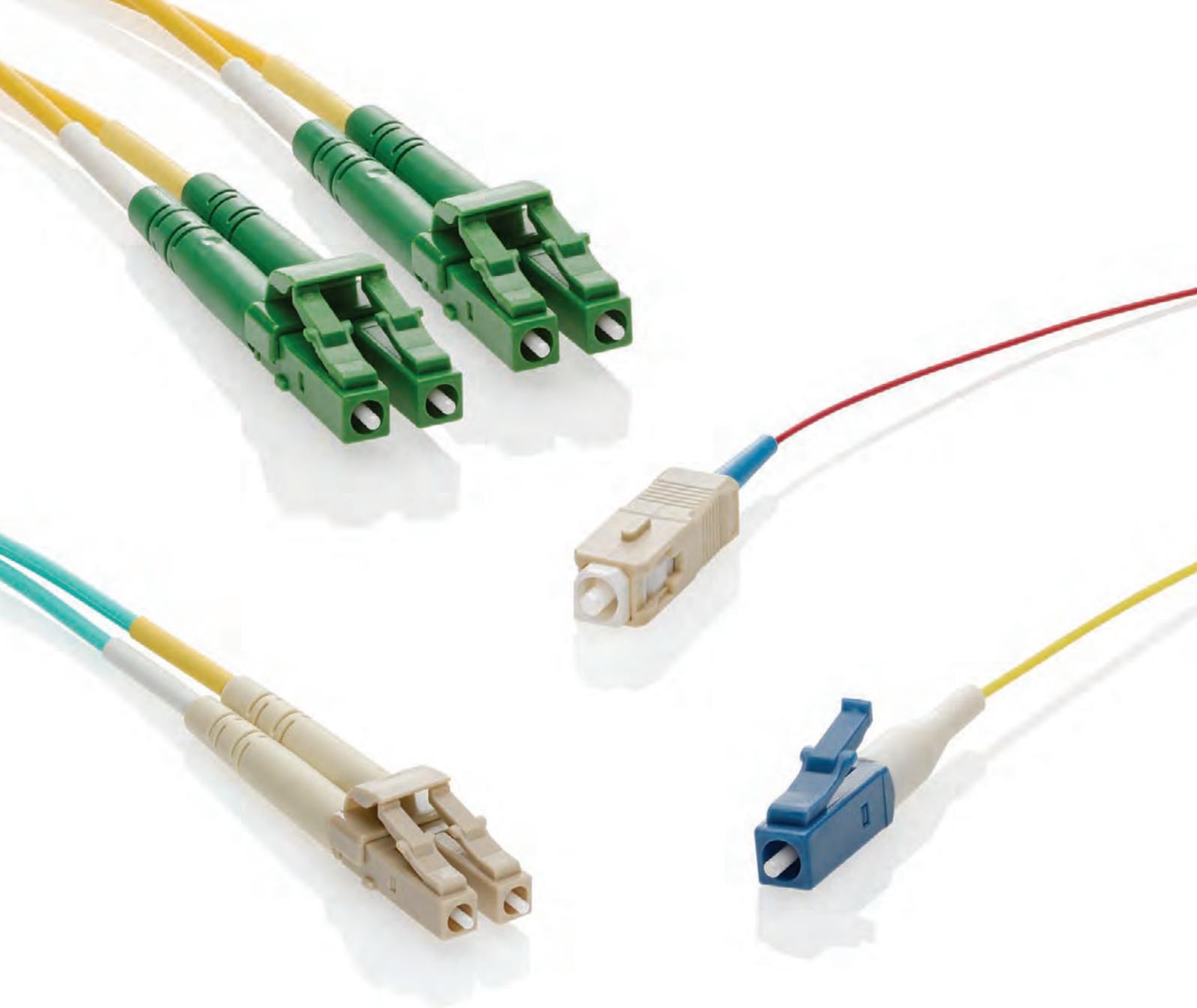
FEATURED PRODUCTS

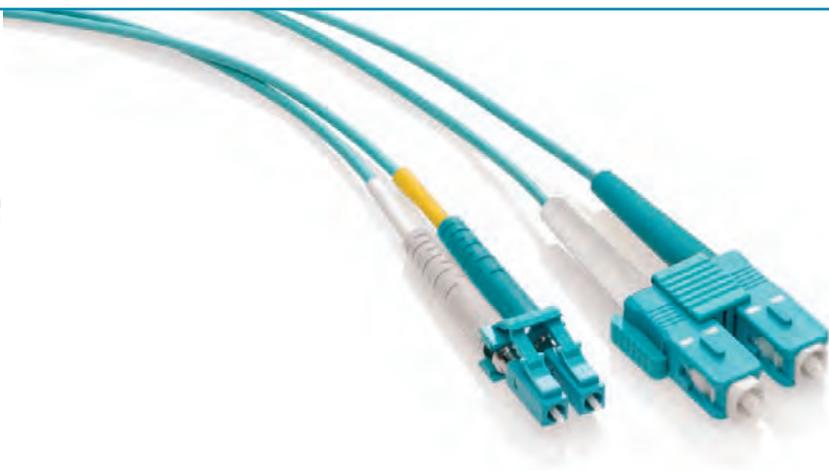# Pre-Terminated Cable Assemblies

Simplify fiber connection and termination with Leviton cable assemblies. Choose from a wide selection of arrays, trunks, 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/ns/emea/mto.**

Make to order!
leviton.com/ns/emea/mto

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

- CABLE LENGTH
- BREAKOUT LEG
- BREAKOUT LEG
- ALIGNMENT: STAGGERED
- ALIGNMENT: EVEN
- FIBER TYPE
- CABLE TYPE
- FIBER COUNT
- NOTE: Optional Pulling Eye on First End (not shown)
- FIRST END TERMINATION
- SECOND END TERMINATION
- BREAKOUT LENGTH
- BREAKOUT LENGTH
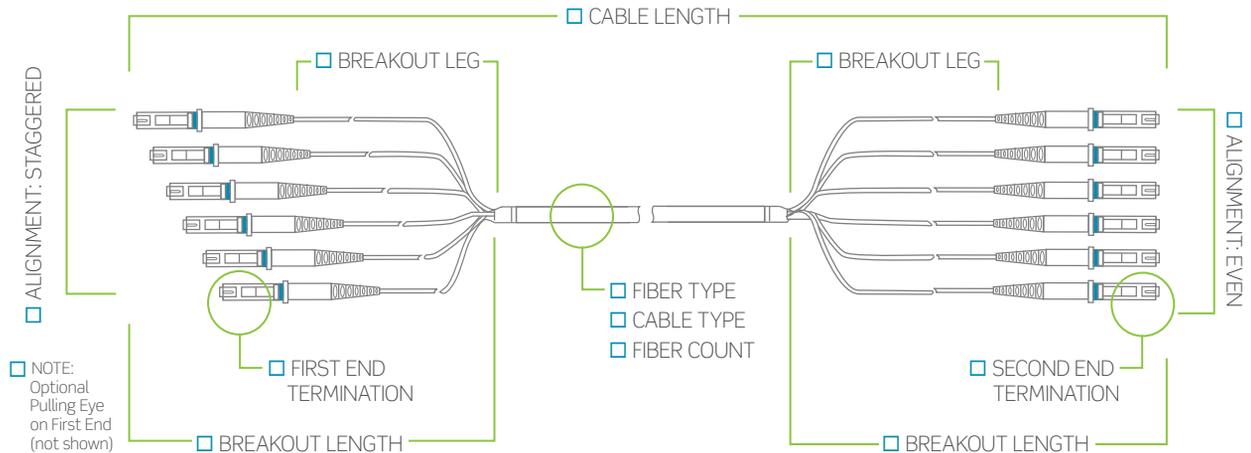
SPOTLIGHT Data Center Factory Gives Customers More Options

In late 2017, Leviton opened a premier data center factory at its European headquarters in Glenrothes, Scotland. This new capability provides data center managers throughout Europe, the Middle East, and Africa with custom-configurable make-to-order network infrastructure products. These include EuroClass rated pre-terminated fiber optic and copper cable assemblies and cassettes, with an order turnaround time on par with stock cable assemblies.

Customers can order pre-terminated assemblies to match the exact length, type, breakout lengths, and fiber count they need. The facility produces HDX, e2XHD, and HI-DEX cassettes as well as fiber array cords, fiber and copper trunks, and CP copper patch cords.

You can learn more at leviton.com/ns/emea/mto.

FIBER

Pre-Terminated Cable Assemblies

LC-LC

MTP™-LC

MTP-MTP (2x12)

Connector detail

MTP-MTP (1x24)

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

Make to order!
leviton.com/ns/emea/mto

SPOTLIGHT | Migration Path to 40G & 100G

12- or 24-fiber MTP Trunk Cable

MTP   MTP

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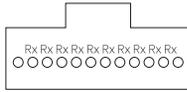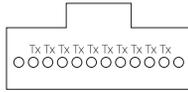
100G
Moving from 40G to 100G replaces MTP cassettes with MTP adapter plates and uses 24-fiber MTP array cords.

MTP™ LANE ASSIGNMENTS FOR 40/100 GB/S

Tx Tx Tx Tx   Rx Rx Rx Rx
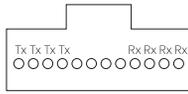
40GBASE-SR4, 8-fiber MTP
100GBASE-SR4, 8-fiber MTP
100G-PSM4, 8-fiber MTP

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

100GBASE-SR10, 2x12-fiber MTPs

Rx Rx Rx Rx Rx Rx Rx Rx Rx Rx Rx Rx
Tx Tx Tx Tx Tx Tx Tx Tx Tx Tx Tx Tx
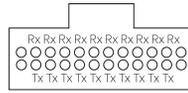
100GBASE-SR10, 24-fiber MTP

NOTE: Per IEEE 802.3ba and 802.3bm

COLOR-CODED BOOTS ON MTP

8-Fiber:

Multimode (Gray)   Single-Mode (Gray)

12-Fiber:

Multimode (Aqua)   Single-Mode (Yellow)

24-Fiber:

Multimode (Red)   Single-Mode (Red)

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 • 48 • 96 • 144	• 24 F MTP (male) • 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 (male) • 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	• 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

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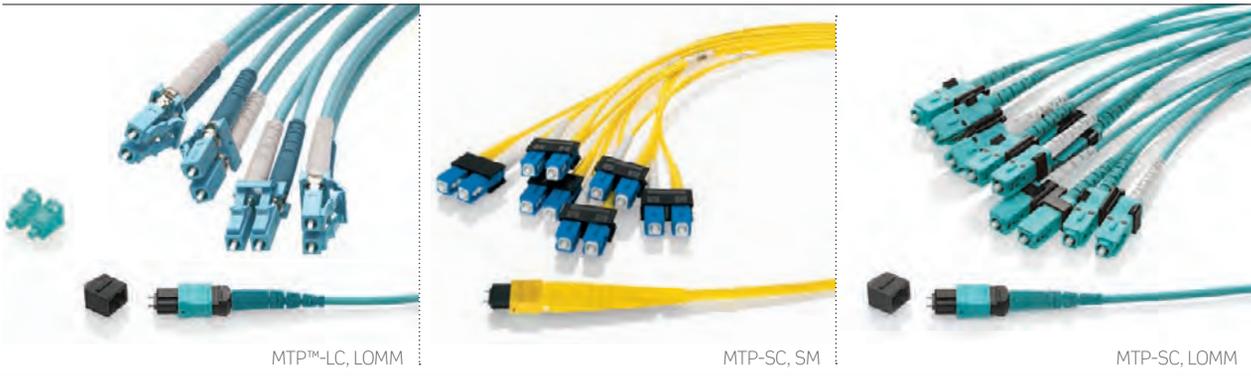

SPOTLIGHT | Pulling Eye

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

MTP™-LC, LOMM

MTP-SC, SM

MTP-SC, LOMM

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% 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!
leviton.com/ns/emea/mto

Make-to-Order!	HARNESS OPTIONS							
FIBER TYPE	CABLE TYPE	FIBER COUNT	1ST END CONNECTOR	2ND END CONNECTOR	CABLE LENGTH (METERS)	BREAKOUT LENGTH (METERS)	POLARITY	LABELING
• OM3 • OM4 • OS2	• Harness Cable EuroClass Cca • Harness Cable EuroClass Eca	• 8 • 12 • 24	• 8 F MTP (female) • 8 F MTP (male) • 12 F MTP (female) • 12 F MTP (male) • 24 F MTP (female) • 24 F MTP (male)	• LC Duplex • SC Duplex • LC Uniboot • SC Duplex APC • LC Duplex APC • LC Uniboot APC • 8 F MTP (female) • 8 F MTP (male)	• Min = 2 m • Max = 15 m	• 0.5 • 0.9 • 1.0 • 1.5	• Method A • Method B, Core • Method B, Edge • Method C	• Standard • Custom

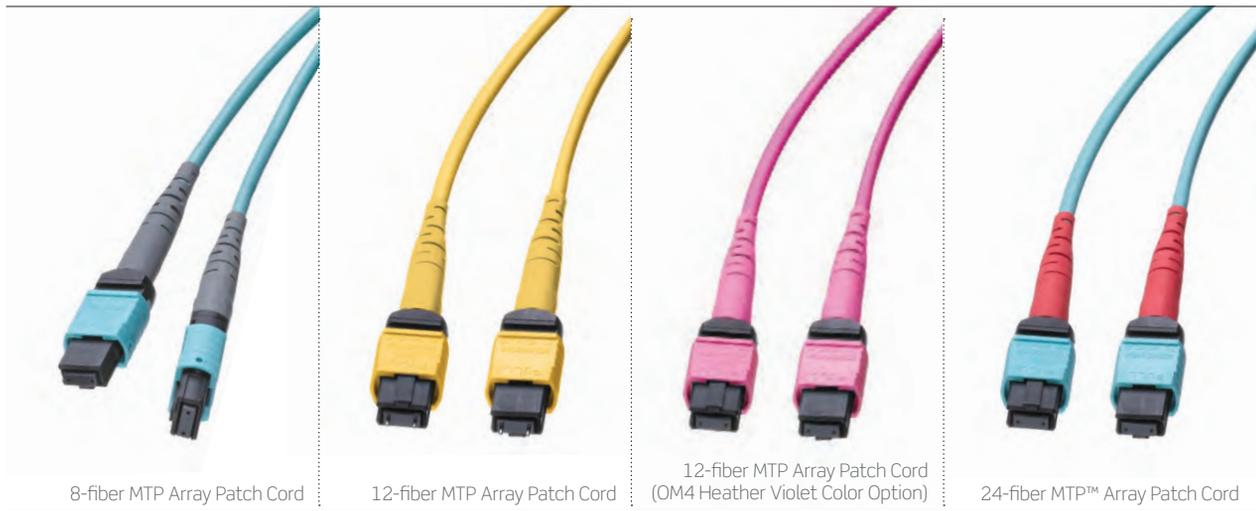For assistance customizing your harnesses, please visit Leviton.com/ns/emea/mto or call +44 (0) 1592 778494.

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, conversion harnesses feature a small diameter cable for dense connectivity and bend-insensitive fiber to lower the risk of pinched cables. Conversion cassettes are available in an HDX and an e2XHD footprint.

8-fiber MTP Array Patch Cord

12-fiber MTP Array Patch Cord

12-fiber MTP Array Patch Cord (OM4 Heather Violet Color Option)

24-fiber MTP™ Array Patch Cord

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!
leviton.com/ns/emea/mto

| Make-to-Order!	MTP ARRAY CORDS						
FIBER TYPE	FIBER COUNT	CABLE TYPE	FIRST-END TERMINATION	SECOND-END TERMINATION	POLARITY	LENGTH (METERS)	LABELING
• OM3 • OM4 • OS2	• 8 • 12 • 24	• Array Cable EuroClass Eca • Array Cable EuroClass Cca	• 8-fiber MTP (male) • 8-fiber MTP (female) • 12-fiber MTP (male) • 12-fiber MTP (female) • 24-fiber MTP (male) • 24-fiber MTP (female)	• 8-fiber MTP (male) • 8-fiber MTP (female) • 12-fiber MTP (male) • 12-fiber MTP (female) • 24-fiber MTP (male) • 24-fiber MTP (female)	• Method A • Method B • Method C	• Min = 1 m • Max = 30 m	• Standard • Custom

SPOTLIGHT   Helping DE-CIX Connect the World

Founded in 1995, DE-CIX is one of the world's premier peering platforms. Broadband providers, content delivery networks, and web hosts use DE-CIX to improve their IP performance and lower their IP Transit costs. The company's Internet Exchange in Frankfurt manages more than 5.8 Terabits per second peak traffic.

When the company upgraded to a 100 Gb/s infrastructure platform, they looked to us. We provided customized OM4 fiber harnesses and trunk cabling, as well as Cat 6A copper trunk cabling for 10 Gb/s. We worked closely with the DE-CIX network team, offering technical and design support. DE-CIX continues to work with Leviton as its infrastructure changes and grows.
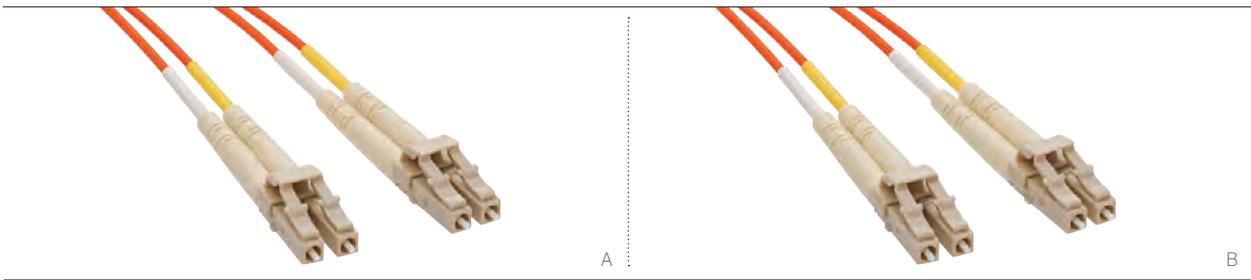
A

B

MULTIMODE OPTICAL PATCH CORDS

- LC, SC, FC, and ST options available
- Low-Smoke Halogen-Free (LSHF/LSZH)
- 100% factory tested
- Individually packed and labeled
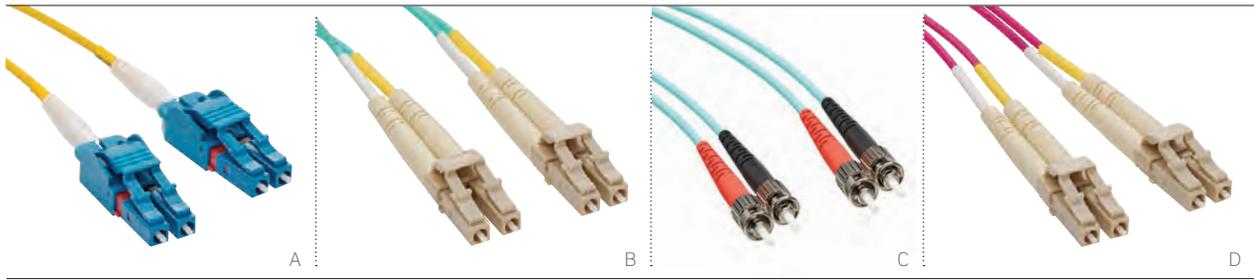
62.5/125 OM1 MULTIMODE OPTICAL PATCH CORDS				
DESCRIPTION	1M	2M	3M	5M
LC - SC Duplex	HOPLC062010SC293	HOPLC062020SC293	HOPLC062030SC293	HOPLC062050SC293
LC - ST Duplex	HOPLC062010ST293	HOPLC062020ST293	HOPLC062030ST293	HOPLC062050ST293
[A] LC - LC Duplex	HOPLC062010LC293	HOPLC062020LC293	HOPLC062030LC293	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] 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

FIBER

Pre-Terminated
Cable Assemblies

A

B

C

D

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 features switchable boots for change in polarity

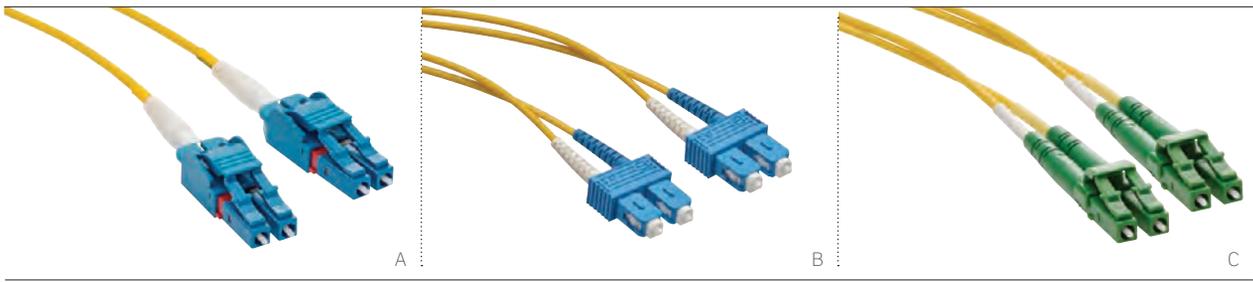| OM3 & OM4 BEND INSENSITIVE OPTICAL PATCH CORDS WITH UNIBOOT					
DESCRIPTION	1M	2M	3M	4M	5M
[A] LC-LC, Uniboot, OM3	BOPLCOM3010LC257	BOPLCOM3020LC257	BOPLCOM3030LC257	BOPLCOM3040LC257	BOPLCOM3050LC257
LC-LC, Uniboot, OM4	BOPLCOM4010LC277	BOPLCOM4020LC277	BOPLCOM4030LC277	BOPLCOM4040LC277	BOPLCOM4050LC277

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] LC - LC Duplex	HOPLCOM3010LC253	HOPLCOM3020LC253	HOPLCOM3030LC253	HOPLCOM3050LC253
SC - SC Duplex	HOPSCOM3010SC251	HOPSCOM3020SC251	HOPSCOM3030SC251	HOPSCOM3050SC251
SC - ST Duplex	HOPSCOM3010ST251	HOPSCOM3020ST251	HOPSCOM3030ST251	HOPSCOM3050ST251
[C] 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
[D] 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

A

B

C

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

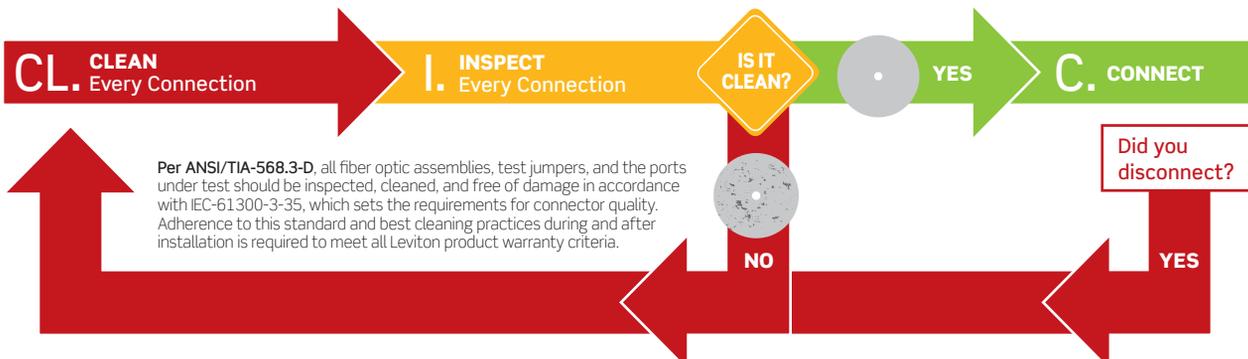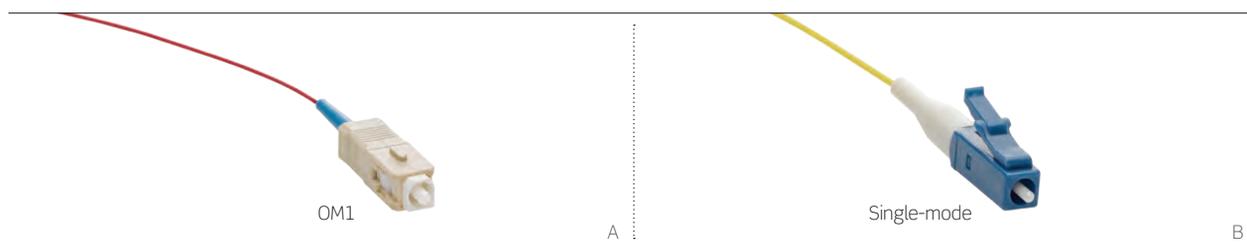| SINGLE-MODE OPTICAL PATCH CORDS (YELLOW JACKET)					
	DESCRIPTION	**1M**	**2M**	**3M**	**5M**
	LC - SC Duplex	HOPLC008010SC203	HOPLC008020SC203	HOPLC008030SC203	HOPLC008050SC203
	LC - ST Duplex	HOPLC008010ST203	HOPLC008020ST203	HOPLC008030ST203	HOPLC008050ST203
	LC - LC Duplex	HOPLC008010LC203	HOPLC008020LC203	HOPLC008030LC203	HOPLC008050LC203
[B]	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
[C]	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]

CL. CLEAN Every Connection

I. INSPECT Every Connection

IS IT CLEAN?

YES

C. CONNECT

Did you disconnect?

NO

YES

Per ANSI/TIA-568.3-D, all fiber optic assemblies, test jumpers, and the ports under test should be inspected, cleaned, and free of damage in accordance with IEC-61300-3-35, which sets the requirements for connector quality. Adherence to this standard and best cleaning practices during and after installation is required to meet all Leviton product warranty criteria.

OM1   A

Single-mode   B

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
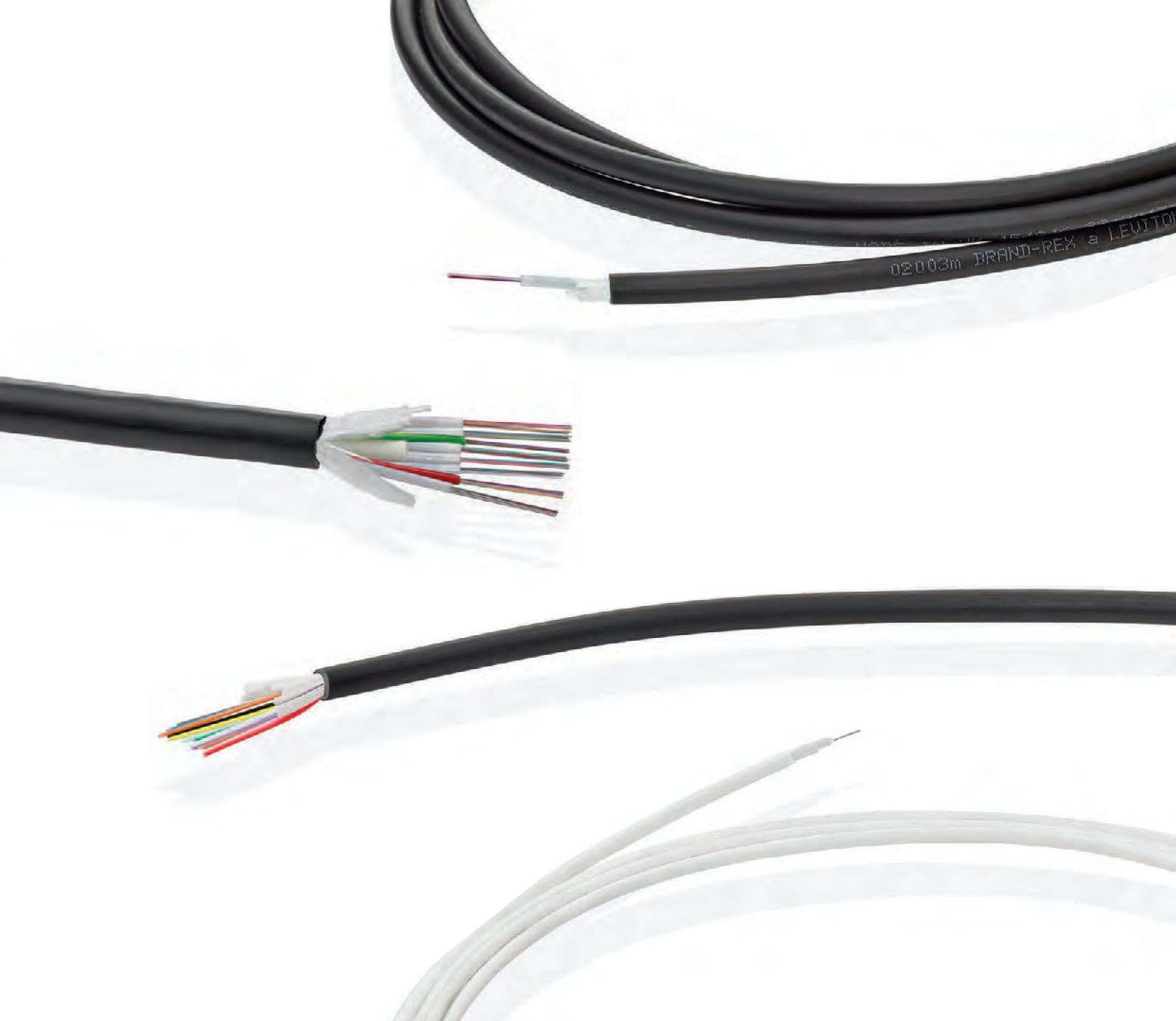
FEATURED PRODUCTS

Tight-Buffered
Premise Distribution
B47

Loose-Tube **B48**

Fire-Survival
B60

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 or dry, central or stranded 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 Armoured**
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.

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 color is black

A

[A] TIGHT-BUFFERED PREMISE DISTRIBUTION CABLES

DESCRIPTION	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	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	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	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 cables enable 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.

B2ca
CPR

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 armoured cable and a corrugated-steel-tape armoured 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 armoured products can also be direct buried.
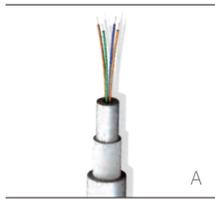
MINI UNITUBE CABLE

- 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	OM3	OM4	SINGLE-MODE
2-Fiber	HFOM3UNI1902LU-Eca	HFOM4UNI1902LU-Eca	HF008UNI1902LU-Eca
4-Fiber	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	PART NO.
OM3, LSHF/LSZH, EuroClass Dca	GFOM3UNIxxLU-Dca
OM3, LSHF/LSZH, EuroClass Eca	GFOM3UNIxxLU-Eca
OM4, LSHF/LSZH, EuroClass Dca	GFOM4UNIxxLU-Dca
OM4, LSHF/LSZH, EuroClass Eca	GFOM4UNIxxLU-Eca
Single-Mode, LSHF/LSZH, EuroClass Dca	GF008UNIxxLU-Dca
Single-Mode, LSHF/LSZH, EuroClass Eca	GF008UNIxxLU-Eca
EXTERNAL	PART NO.
OM3	GFOM3UNIxxNM
OM4	GFOM4UNIxxNM
Single-Mode	GF008UNIxxNM

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

DUCT-GRADE CENTRAL DRY TUBE CABLE

- Gel-free central dry tube construction for reduced termination time
- 4, 8, and 12 fiber option constructed around a 3.00 mm dry loose-tube
- 24 fiber option constructed around a 3.50 mm dry loose tube
- Cable color is black

[A] DUCT-GRADE CENTRAL DRY TUBE CABLE			
DESCRIPTION	OM3	OM4	SINGLE-MODE
LSHF/LSZH, EuroClass B2ca	GFOM3CDTxxLU-B2ca	GFOM4CDTxxLU-B2ca	GF108CDTxxLU-B2ca

xx = Fiber Count: 04, 08, 12, or 24

GLASS YARN ARMOURED UNITUBE CABLE

- Glass-roving armour 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

[B] GLASS YARN ARMOURED UNITUBE CABLE	
UNIVERSAL	PART NO.
OM3, LSHF/LSZH, EuroClass Dca	GFOM3UNIxxRRLU-Dca
OM3, LSHF/LSZH, EuroClass Eca	GFOM3UNIxxRRLU-Eca
OM4, LSHF/LSZH, EuroClass Dca	GFOM4UNIxxRRLU-Dca
OM4, LSHF/LSZH, EuroClass Eca	GFOM4UNIxxRRLU-Eca
Single-Mode, LSHF/LSZH, EuroClass Dca	GF008UNIxxRRLU-Dca
Single-Mode, LSHF/LSZH, EuroClass Eca	GF008UNIxxRRLU-Eca
EXTERNAL	PART NO.
OM3	GFOM3UNIxxRRNM
OM4	GFOM4UNIxxRRNM
Single-Mode	GF008UNIxxRRNM

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

STEEL-TAPE ARMOURED 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

[C] STEEL TAPE ARMOURED UNITUBE CABLES	
UNIVERSAL	PART NO.
OM3, EuroClass Eca	GFOM3UNIxxSTALU-Eca
OM4, EuroClass Eca	GFOM4UNIxxSTALU-Eca
Single-Mode, EuroClass Eca	GF008UNIxxSTALU-Eca
EXTERNAL	PART NO.
OM3	GFOM3UNIxxSTANM
OM4	GFOM4UNIxxSTANM
Single-Mode	GF008UNIxxSTANM

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

TWIN-SHEATH STEEL-TAPE ARMOURED 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 ARMOURED 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
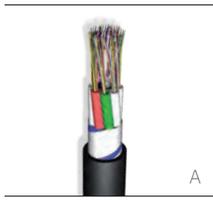- Cable color is black

[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

FIBER

FIBER

Optical Cables

DUCT-GRADE MULTI DRY TUBE CABLE
12-60 FIBERS
- Gel-free stranded dry tube construction for reduced termination time
- Up to 5 x 1.6 mm diameter dry loose tubes with 12 fibers per tube, solid fillers where required
- Stranded around a rigid glass non-metallic central-strength member
- Layer of flame retardent tape to provide resistance to fire properties
- Cable color is black

[A] DUCT-GRADE MULTI DRY TUBE CABLE			
DESCRIPTION	OM3	OM4	SINGLE-MODE
LSHF/LSZH, EuroClass B2ca	GFOM3MDTxxRRLU-B2ca	GFOM4MDTxxRRLU-B2ca	GF108MDTxxRRLU-B2ca

xx = Fiber Count: 12, 24, 36, 48, or 60

DUCT-GRADE MULTI DRY TUBE CABLE
72 FIBERS
- Gel-free stranded dry tube construction for reduced termination time
- 6 x 1.6 mm diameter dry loose tubes with 12 fibers per tube
- Stranded around a rigid glass non-metallic central-strength member
- Layer of flame retardent tape to provide resistance to fire properties
- Cable color is black

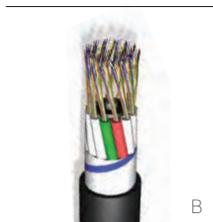| [B] DUCT-GRADE MULTI DRY TUBE CABLE			
DESCRIPTION	OM3	OM4	SINGLE-MODE
LSHF/LSZH, EuroClass B2ca	GFOM3MDT72RRLU-B2ca	GFOM4MDT72RRLU-B2ca	GF108MDT72RRLU-B2ca

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

[C] 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

[D] 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

[A] 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

[B] 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

[C] 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

FIBER

Optical Cables

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

- For applications where rodent protection and higher-tensile load is required
- Glass-roving armour 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 ARMOURED RODENT-RESISTANT MULTI-LOOSE-TUBE CABLES

UNIVERSAL EUROCLASS ECA	OM3	OM4	SINGLE-MODE
4-Fiber	HFOM3S4WRRLU-Eca 4FT	HFOM4S4WRRLU-Eca 4FT	HF008S4WRRLU-Eca 4FT
8-Fiber	HFOM3S8WRRLU-Eca 4FT	HFOM4S8WRRLU-Eca 4FT	HF008S8WRRLU-Eca 4FT
12-Fiber	HFOM3S12WRRLU-Eca 4FT	HFOM4S12WRRLU-Eca 4FT	HF008S12WRRLU-Eca 4FT
16-Fiber	HFOM3S16WRRLU-Eca 4FT	HFOM4S16WRRLU-Eca 4FT	HF008S16WRRLU-Eca 4FT
24-Fiber	HFOM3S24WRRLU-Eca 4FT	HFOM4S24WRRLU-Eca 4FT	HF008S24WRRLU-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 ARMOURED RODENT-RESISTANT MULTI-LOOSE-TUBE CABLE
12-72 FIBERS

- For applications where rodent protection and higher-tensile load are required
- Glass-roving armour 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 ARMOURED RODENT-RESISTANT MULTI-LOOSE-TUBE CABLES

UNIVERSAL EUROCLASS ECA	OM3	OM4	SINGLE-MODE
12-Fiber	HFOM3S12WRRLU-Eca	HFOM4S12WRRLU-Eca	HF008S12WRRLU-Eca
24-Fiber	HFOM3S24WRRLU-Eca	HFOM4S24WRRLU-Eca	HF008S24WRRLU-Eca
36-Fiber	HFOM3S36WRRLU-Eca	HFOM4S36WRRLU-Eca	HF008S36WRRLU-Eca
48-Fiber	HFOM3S48WRRLU-Eca	HFOM4S48WRRLU-Eca	HF008S48WRRLU-Eca
60-Fiber	HFOM3S60WRRLU-Eca	HFOM4S60WRRLU-Eca	HF008S60WRRLU-Eca
72-Fiber	HFOM3S72WRRLU-Eca	HFOM4S72WRRLU-Eca	HF008S72WRRLU-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 ARMOURED RODENT-RESISTANT MULTI-LOOSE-TUBE CABLE
84 AND 96 FIBERS

- For applications where rodent protection and higher-fiber counts are required
- Glass-roving armour 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

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[A] GLASS YARN ARMOURED RODENT-RESISTANT MULTI-LOOSE-TUBE CABLES			
UNIVERSAL EUROCLASS ECA	OM3	OM4	SINGLE-MODE
84-Fiber	HFOM3S84WRRLU-Eca	HFOM4S84WRRLU-Eca	HF008S84WRRLU-Eca
96-Fiber	HFOM3S96WRRLU-Eca	HFOM4S96WRRLU-Eca	HF008S96WRRLU-Eca
EXTERNAL	OM3	OM4	SINGLE-MODE
84-Fiber	HFOM3S84WRRNM	HFOM4S84WRRNM	HF008S84WRRNM
96-Fiber	HFOM3S96WRRNM	HFOM4S96WRRNM	HF008S96WRRNM

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

- For applications where rodent protection and higher-fiber counts are required
- Glass-roving armour 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

[B] GLASS YARN ARMOURED RODENT-RESISTANT MULTI-LOOSE-TUBE CABLES			
UNIVERSAL EUROCLASS ECA	OM3	OM4	SINGLE-MODE
108-Fiber	HFOM3S108WRRLU-Eca	HFOM4S108WRRLU-Eca	HF008S108WRRLU-Eca
120-Fiber	HFOM3S120WRRLU-Eca	HFOM4S120WRRLU-Eca	HF008S120WRRLU-Eca
132-Fiber	HFOM3S132WRRLU-Eca	HFOM4S132WRRLU-Eca	HF008S132WRRLU-Eca
144-Fiber	HFOM3S144WRRLU-Eca	HFOM4S144WRRLU-Eca	HF008S144WRRLU-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

FIBER

Optical Cables

FIBER

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

- For applications where rodent protection and high-fiber counts are required
- Glass-roving armour 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 ARMOURED 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

B

DIRECT-BURIAL STEEL-TAPE ARMOURED 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 armour provides additional crush resistance
- Cable color is black

[B] UNIVERSAL AND EXTERNAL DIRECT-BURIAL STEEL-TAPE ARMOURED 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 ARMOURED 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 armour provides additional crush resistance
- Cable color is black

[A] DIRECT-BURIAL STEEL-TAPE ARMOURED 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 ARMOURED 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 armour provides additional crush resistance
- Cable color is black

[B] DIRECT-BURIAL STEEL-TAPE ARMOURED 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

FIBER

FIBER

Optical Cables

DIRECT-BURIAL STEEL-TAPE ARMOURED 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 armour provides additional crush resistance
- Cable color is black

[A] DIRECT-BURIAL STEEL-TAPE ARMOURED 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	HF008144WSTALU-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 ARMOURED 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 armour provides additional crush resistance
- Cable color is black

[B] DIRECT-BURIAL STEEL-TAPE ARMOURED 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

A

TWIN-SHEATH STEEL-TAPE ARMOURED MULTI-LOOSE-TUBE CABLE
UP TO 24 FIBERS

- Compact low-fiber-count direct-burial-grade cable for applications requiring 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 armour provides additional crush resistance
- Cable color is black

[A] TWIN-SHEATH STEEL-TAPE ARMOURED 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

B

TWIN-SHEATH STEEL-TAPE ARMOURED MULTI-LOOSE-TUBE CABLE
12-72 FIBERS

- Compact direct-burial-grade cable offers up to 72 fibers
- 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 corrugated steel-tape armour provides additional crush resistance
- Cable color is black

[B] TWIN-SHEATH STEEL-TAPE ARMOURED 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

FIBER

OPTICAL CABLES | Loose-Tube Cables

TWIN-SHEATH STEEL-TAPE ARMOURED 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 armour provides additional crush resistance
- Cable color is black

[A] TWIN-SHEATH STEEL-TAPE ARMOURED 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 ARMOURED 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 armour provides additional crush resistance
- Cable color is black

[B] TWIN-SHEATH STEEL-TAPE ARMOURED 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	HF008144WNMSTANM

TWIN-SHEATH STEEL-TAPE ARMOURED 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 armour provides additional crush resistance
- Cable color is black

[A] TWIN-SHEATH STEEL-TAPE ARMOURED 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	HF008192WLSTALU-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	HF008192WNMSTANM
204-Fiber	HFOM3S204WNMSTANM	HFOM4S204WNMSTANM	HF008S204WNMSTANM
216-Fiber	HFOM3S216WNMSTANM	HFOM4S216WNMSTANM	HF008S216WNMSTANM
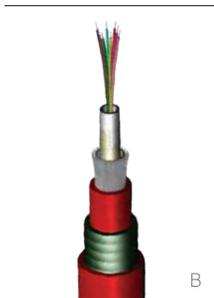
UNITUBE FIRE-SURVIVAL CABLE
4-24 FIBERS

- 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, stadia, 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
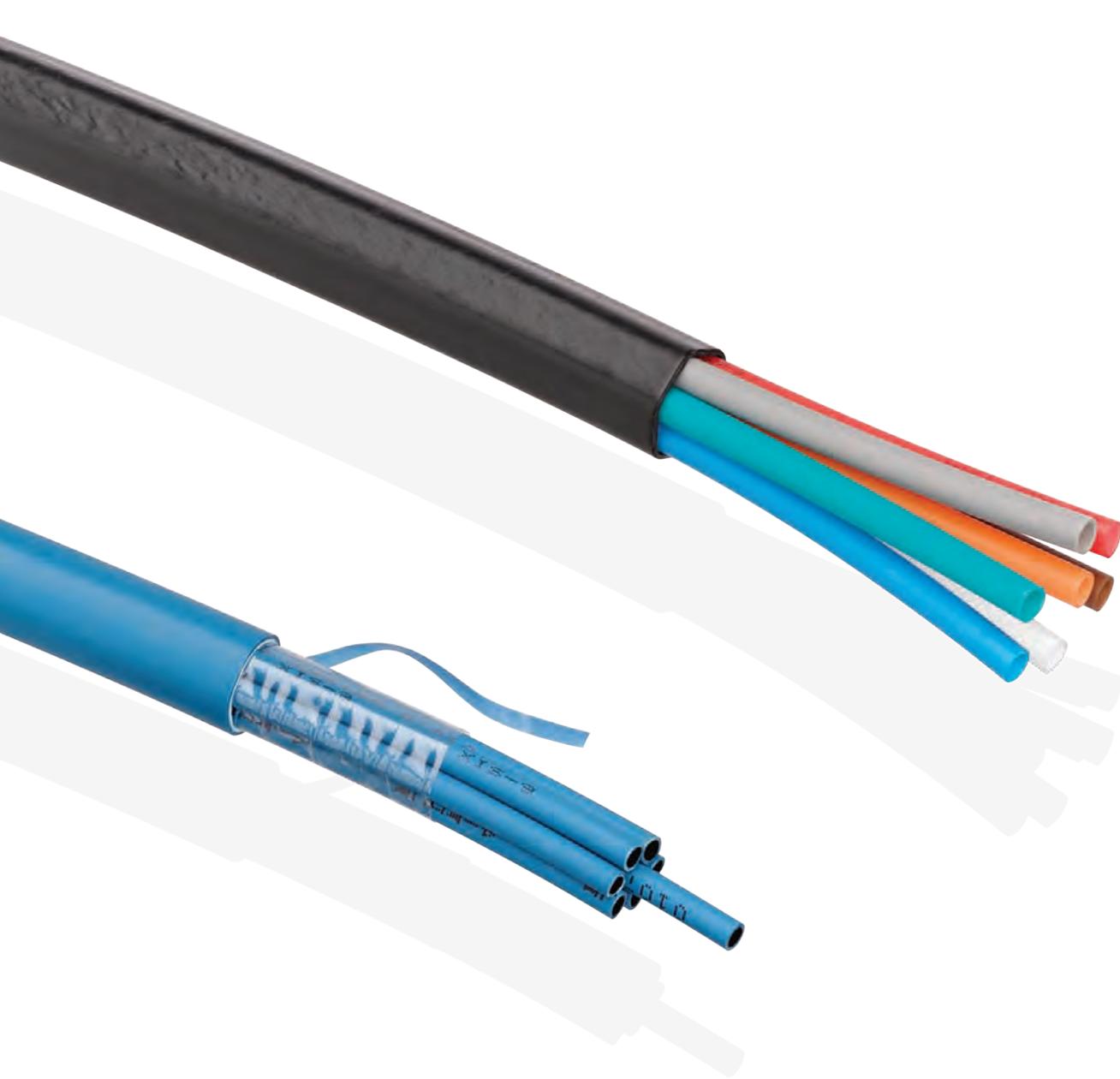
Air-Blown Fiber Systems

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 its required. Leviton offers solutions for both internal and external applications with the 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.
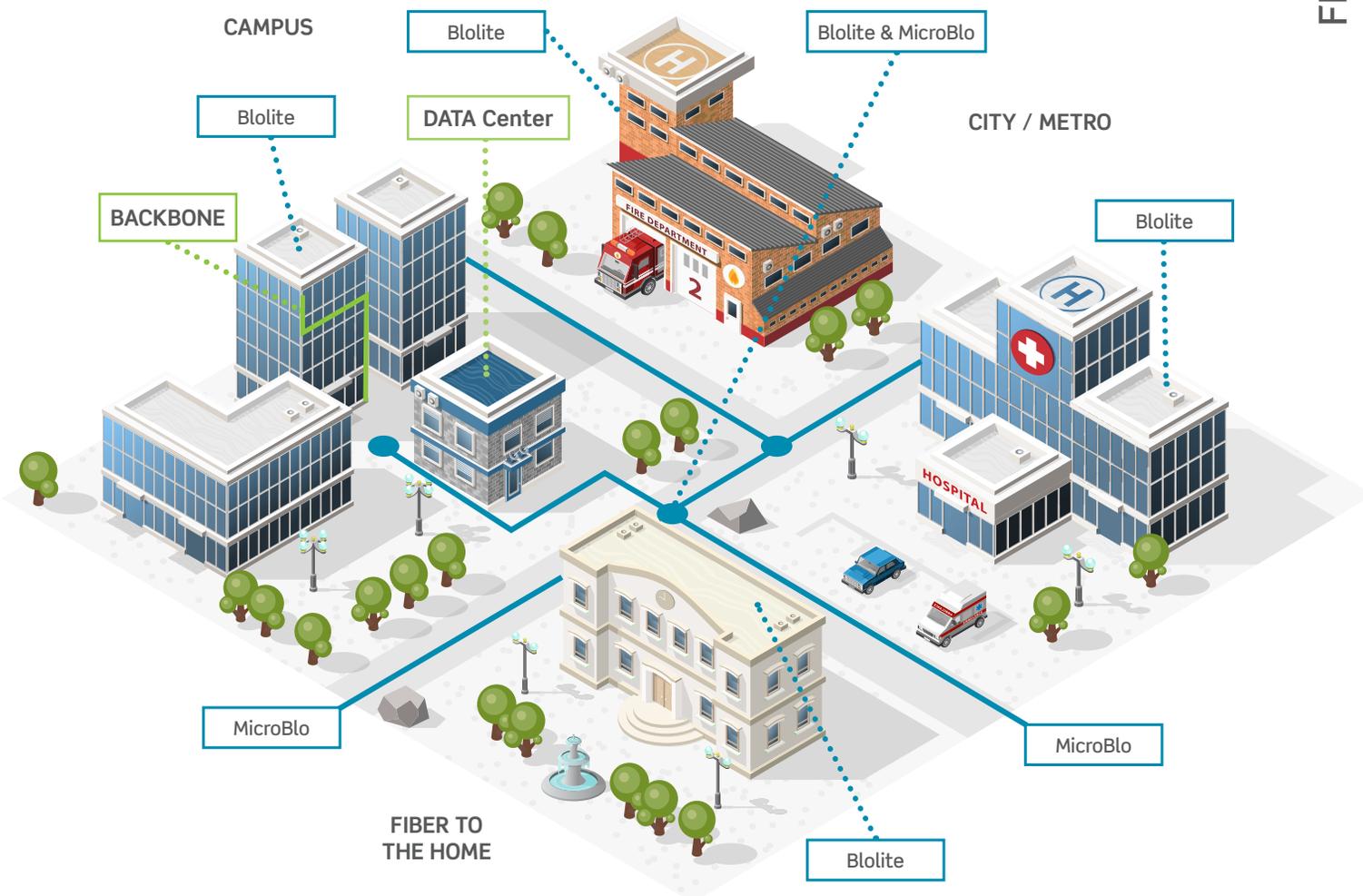
In the campus network, combining MicroBlo Micro Cables with Blolite fiber provides a complete solution that will realise all the benefits of an air-blown fiber system through its lifetime.

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.

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

[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 Blocenter includes a purpose made blow head, tripod, and pay-off system, all supplied within sturdy carry 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.

A

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

B

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
Fibre Systems

FIBER

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.
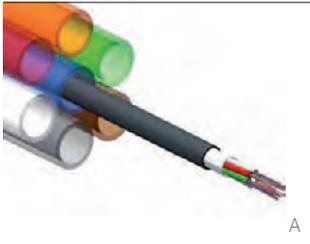
MICROBLO 12-72 FIBER-BLOWN MICRO CABLE

- 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	HFOM3BMC12WNM6	HFOM4BMC12WNM6	HF008BMC12WNM6
24-Fiber	HFOM3BMC24WNM6	HFOM4BMC24WNM6	HF008BMC24WNM6
36-Fiber	HFOM3BMC36WNM6	HFOM4BMC36WNM6	HF008BMC36WNM6
48-Fiber	HFOM3BMC48WNM6	HFOM4BMC48WNM6	HF008BMC48WNM6
60-Fiber	HFOM3BMC60WNM6	HFOM4BMC60WNM6	HF008BMC60WNM6
72-Fiber	HFOM3BMC72WNM6	HFOM4BMC72WNM6	HF008BMC72WNM6
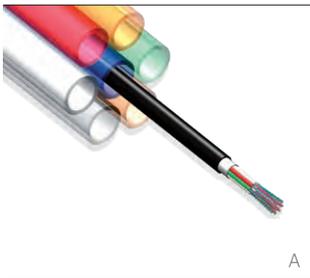
MICROBLO 84 & 96 FIBER-BLOWN MICRO CABLE

- 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	HFOM3BMC84WNM8	HFOM4BMC84WNM8	HF008BMC84WNM8
96-Fiber	HFOM3BMC96WNM8	HFOM4BMC96WNM8	HF008BMC96WNM8

B
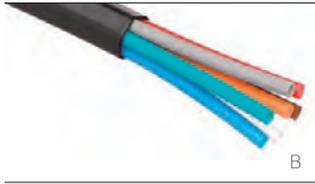
MICROBLO OUTDOOR DIRECT-INSTALL PROTECTED MICRODUCTS

- 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

Air-Blown
Fibre Systems
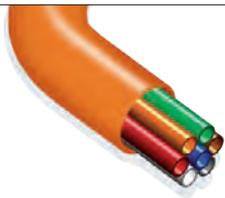
FIBER

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

FIBER

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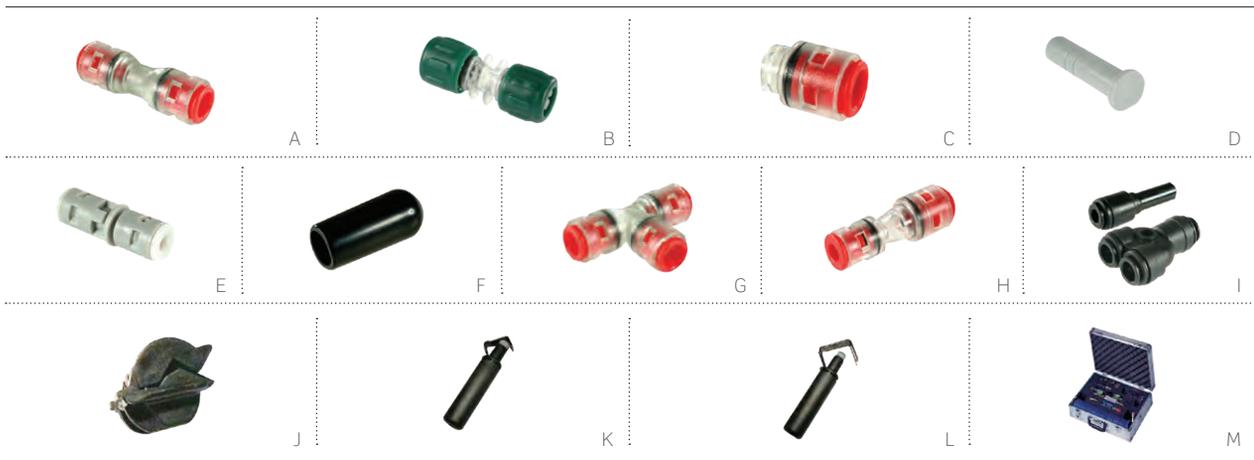
- Range of plastic-bodied, pneumatic-tube connectors for Blolite™ and MicroBlo™ tube routing
- Rated for the maximum working pressure of 10 Bar
- Connectors can be installed with a simple push-pull technique and can be reused several times

MICROBLO & 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 & 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
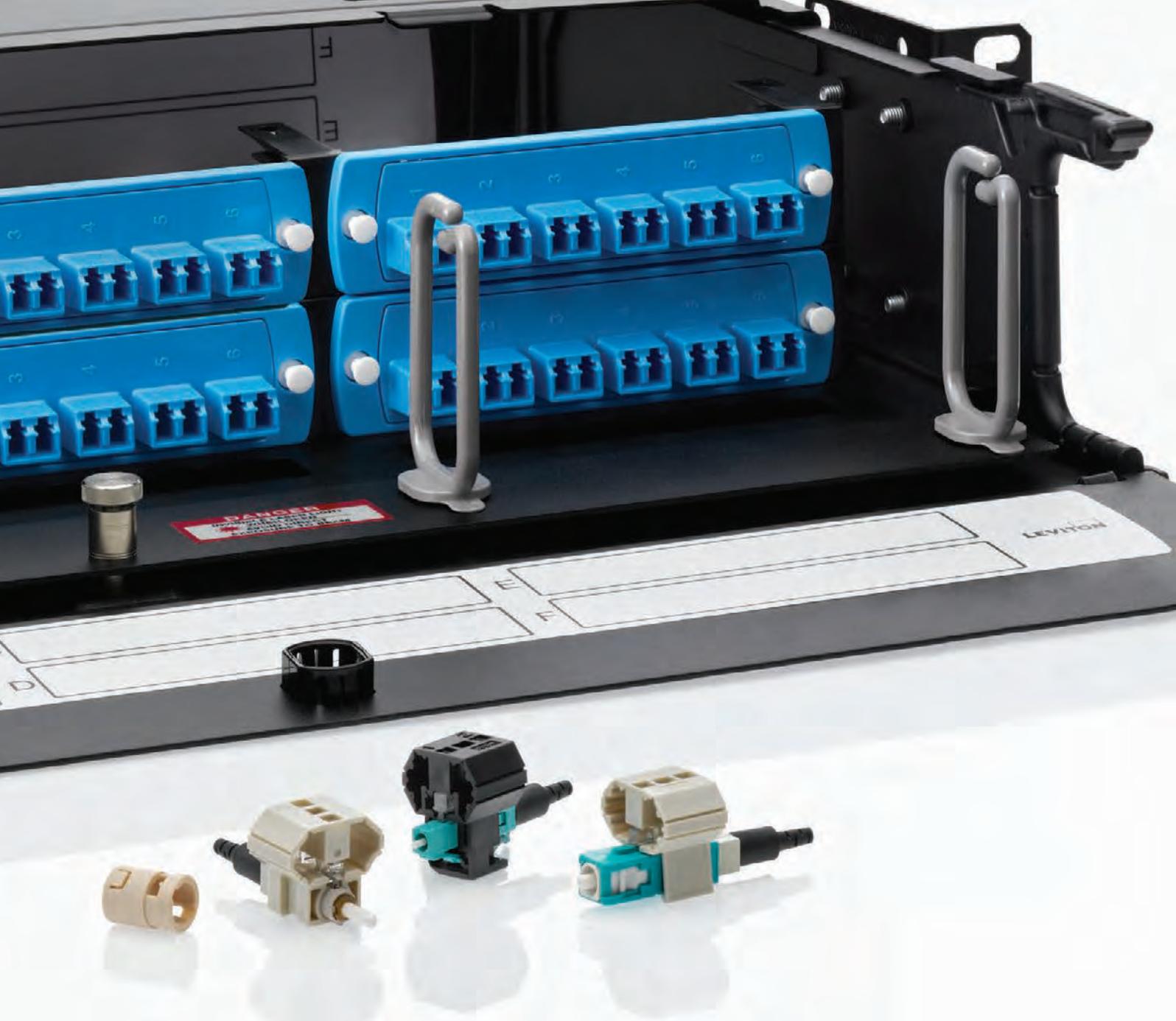
Connectors & Housings

Leviton has everything you need to properly terminate your fiber network. FastCAM™ and field polish 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 Wallplates & Housings section to see our wallplate selection.

LEVITON

A   B   C   D

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
[A] LC FastCAM Connector	49991-SLC (Blue)	49991-MLC (Beige)	49991-5LC (Black)	49991-LLC (Aqua)
[B] SC FastCAM Connector	49991-SSC (Blue)	49991-MSC (Beige)	49991-5SC (Black)	49991-LSC (Aqua)
[C] SC/APC FastCAM Connector*	49991-ASC (Green)	—	—	—
[D] 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 B77, item L).
See pages B75-B78 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 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 B77.

Connectors & Housings

FIBER

A

B

C

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)	FOCLSEPMM001 (beige)
LC Connector, Duplex, with 2 mm boot	FOCLCEPSM001 (blue)	— [A]	FOCLCEPMM001 (beige)
LC Connector, Simplex, with 900 µm boot	FOCLSEPSM002 (blue)	FOCALEPSM002 (green)	FOCLSEPMM002 (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]	FOCSCEPSM001 (blue)	FOCACEPSM001 (green)	FOCSCEPMM01 (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	FOCSCEPSM002 (blue)	—	FOCSCEPMM002 (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	FOCSTEPSM001	— [C]	FOCSTEPMM001
ST Connector, with 900 µm and 2.0 mm boots	FOCSTEPSM002	—	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 B75-B78 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.

| A | B | C | D | E | F |
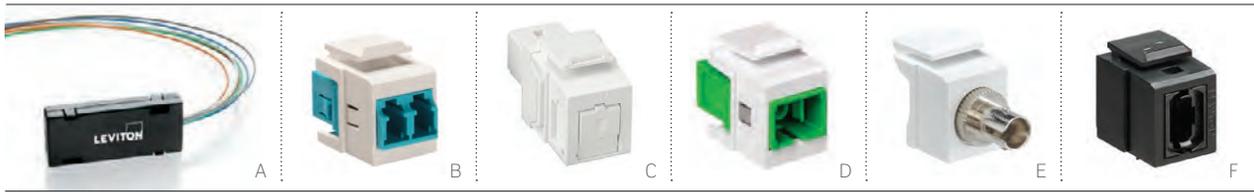
FIBER OPTIC FAN-OUT KITS

- 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

WATCH: INSTALLATION VIDEOS
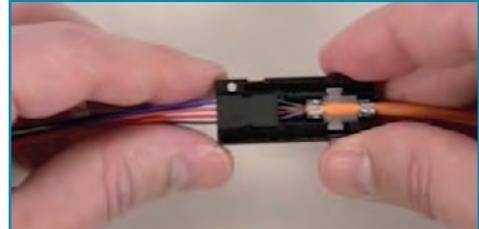
Leviton.com/ns/videos
'How to Terminate the Fan-Out Kit'

FIBER OPTIC FAN-OUT KITS	
DESCRIPTION	**PART NO.**
[A] 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] QuickPort Duplex LC Adapter, OM3, zirconia ceramic sleeve, aqua*	41085-LL^
QuickPort Duplex LC Adapter, SM, zirconia ceramic sleeve, blue*	41085-SL^
[C] QuickPort Simplex SC Shuttered Adapter, SM/MM, zirconia ceramic*	41085-S^C
[D] QuickPort Simplex SC/APC Adapter, SM/MM, zirconia ceramic*	41085-AS^
[E] QuickPort ST Fiber Optic Adapter, SM/MM, zirconia ceramic sleeve*	41084-S^Z
[F] 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.

White (W)   Black (E)

Tools & Consumables

Different termination technologies require unique tools. Leviton has everything you need to terminate anaerobic adhesive 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 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 B77.**

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 worksite abuse while offering an ergonomic grip. **See page B77.**

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 +/- 0.5 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 B77.**
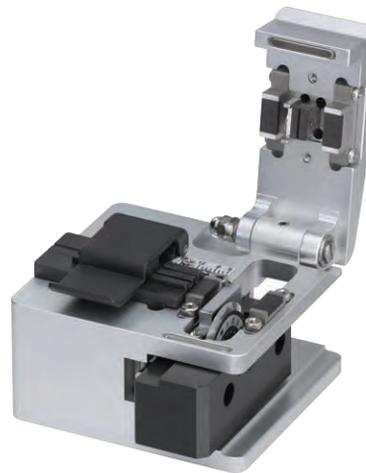
ONLINE TRAINING VIDEOS

Increase your expertise with Leviton's online fiber training. Step-by-step instructions on terminating FastCAM 250 µm and 900 µm fiber or using our fan-out kit are available with just a click of the mouse. All of Leviton's training animations feature clear, easy-to-understand graphics paired with on-screen written instructions for maximum effectiveness. **Visit 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.

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.

FIBER

Tools & Consumables

A, B

C, D

E

F, G

H

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N

UNIVERSAL TOOLS & ACCESSORIES

DESCRIPTION	PART NO.	
[A]	250 and 900 μm Buffer Remover (yellow handle)	49886-BR2
[B]	Stripper 2.0/3.0 mm Jacket and 250/900 μm Buffer	49886-BR3
[C]	Jacket Stripper	49886-STP
[D]	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
[E]	200x Inspection Scope	49886-FSP
[F]	LC Scope Adapter (works with 200x scope only)	49886-LCS
	Duplex LC Scope Adapter (works with 200x scope only)	49886-LCD
[G]	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
[H]	MTP/MPO Male/Female Cleaning Tool (>600 Cleanings)	49886-MCT
	MTP/MPO Refill Kit for 49886-MCT	49886-MCR
[I]	LC-LC and MU Cleaning Tool	49886-LCT
[J]	SC-SC, ST, FC and E2000 Cleaning Tool	49886-SCT
[K]	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
[L]	APC Angled Cleaver	49886-APC
[M]	Flat Cleaver	49886-LNX
[N]	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 B43 or visit Leviton.com/clic for directions.

BEFORE YOU CONNECT ► CLEAN. INSPECT. CONNECT.

CLEAN Every Connection

INSPECT Every Connection

| A | B | C | D |

UNIVERSAL CONSUMABLES KIT

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

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

ADHESIVE/ACCELERATOR KIT

Supply sufficeint 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 anaerobic adhesive field polish terminations. Supply sufficeint for approximately 200 terminations. Additional included items:

- 25 syringes
- 25 needles
- Adhesive and accelerator

FAN-OUT CONSUMABLES KIT

Kit terminates a minimum of 10 fiber optic Fan-Out Kits. Set includes:

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

CONSUMABLES KITS	
DESCRIPTION	**PART NO.**
[A] Universal Consumables Kit	49800-CON
[B] Field Polish Consumables Kit	49800-FCC
[C] Adhesive/Accelerator Kit	49800-680
[D] 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

HOUSINGS & FACEPLATES

SECTION **C** CONTENTS

HOUSINGS & FACEPLATES |

QuickPort™ & Multimedia Outlet System (MOS) Surface-Mount Boxes

| A | B | C | D | E | F |

| Plenum Rated | G | H | I | J | K |
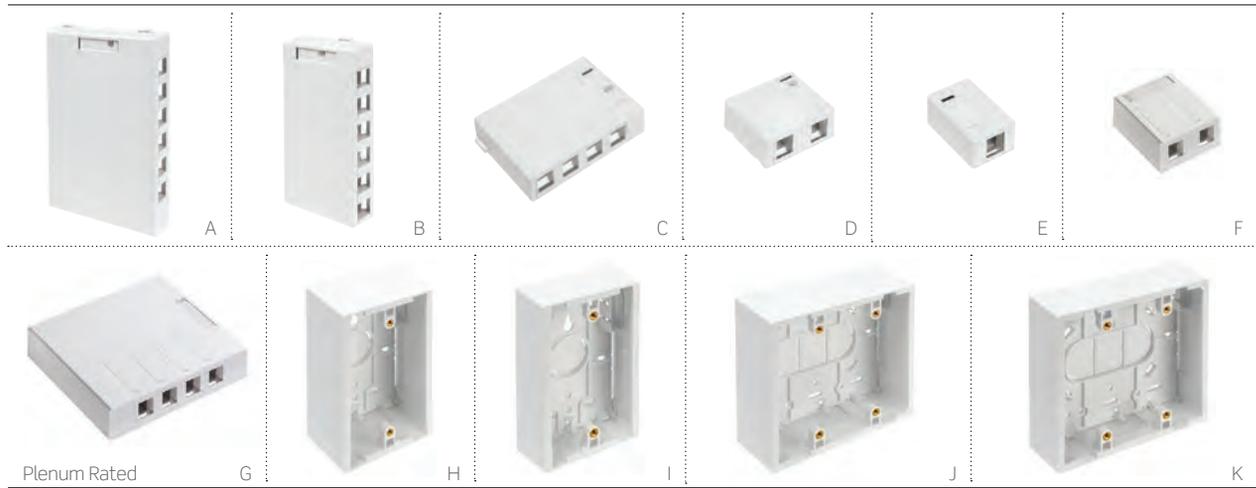
SURFACE-MOUNT BOXES

- Surface-mount boxes and back boxes have breakouts to match common raceway systems and cable entry

- One and two-port 41089 surface-mount boxes approved for use in air handling spaces [compliant with NEC 300-22 (b)(c)]

- Mounts with screws or adhesive mounting tape (both provided)

- 4S089 products are designed for use in air handling spaces and work with Leviton shielded or unshielded Cat 6A jacks to allow proper bend-radius control

- Multimedia Outlet System (MOS) Surface-Mount Boxes accept MOS AV, copper, and fiber modules (see page A14 for AV modules and C8 for fiber modules)

Compatibility References:

See pages C9-C10 for housings, faceplates, and jack compatibility.

QUICKPORT SURFACE-MOUNT BOXES	
DESCRIPTION	**PART NO.**
[A] 12-Port Surface-Mount Box, 193 W x 127 D x 28 H mm, white	41089-12W
[B] 6-Port Surface-Mount Box, 162 W x 81 D x 27 H mm, white	41089-6WP
[C] 4-Port Surface-Mount Box, 121 W x 81 D x 27 H mm, white	41089-4WP
[D] 2-Port Surface-Mount Box, 64 W x 56 D x 27 H mm, white	41089-2WP
[E] 1-Port Surface-Mount Box, 36 W x 56 D x 27 H mm, white	41089-1WP
[F] 2-Port Surface-Mount Box extended depth*, 63 W x 76 D x 30 H mm, white	4S089-2WP
[G] 4-Port Surface-Mount Box extended depth*, 142 W x 132 D x 30 H mm, white	4S089-4WP

*For shielded jacks and large bend-radius cables.

SINGLE- AND DUAL-GANG SURFACE-MOUNT BACK BOXES	
[H] Single-Gang Standard Back Box, 75 W x 48 D x 120 H mm, white	42777-1WA
[I] Single-Gang Shallow Back Box, 75 W x 37 D x 120 H mm, white	42777-1WB
[J] Dual-Gang Standard Back Box, 121 W x 48 D x 120 H mm, white	42777-2WA
[K] Dual-Gang Shallow Back Box, 121W x 37 D x 120 H mm, white	42777-2WB

| L | M |

MULTIMEDIA OUTLET SYSTEM (MOS) SURFACE-MOUNT BOXES	
[L] Surface-Mount Box, 3-unit with fiber storage, white*	41296-MMW
[M] Surface-Mount Box, holds one 1-unit high module, white*^	4M089-1WM

* = Surface-mount box is not compatible with 41295-V**, 41292-D**, and 41292-A**.
^ = See page A14 for AV modules and C8 for fiber modules.

LEVITON

| A | B | C | D | E | F |
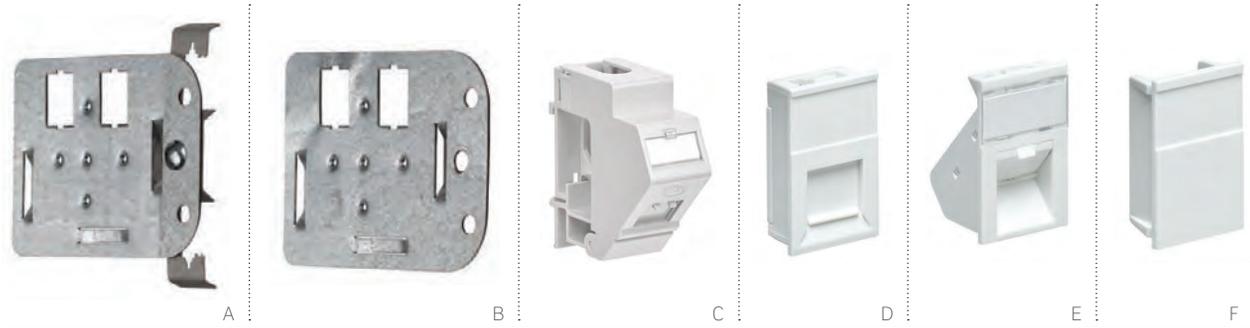
IN-CEILING BRACKET

- Creates a testable permanent link for cabling that terminates above a drop ceiling without using a traditional faceplate
- 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 page D8)
- QuickPort 1-, 2-, and 4-port surface-mount boxes, approved for use in air handling spaces, attach to brackets (sold separately) and are ideal for drop ceiling areas

Compatibility References:

See pages C9-C10 for housings, faceplates, and jack compatibility.

DIN RAIL SNAP-IN JACK MODULE

- Ideal for residential, industrial, and enterprise cabling systems
- Easily snaps onto a DIN rail
- Multiple modules can be aligned horizontally in a row, and angled jacks facilitate improved cord routing

FLOORBOX BRACKETS & MODULES

- Floorbox modules and blanks clip into a 1.0-2.0 millimeter thick plate with a standard 22 x 37 millimeter floorbox cut-out
- Modules available in angled and unshielded

QUICKPORT IN-CEILING BRACKETS		
DESCRIPTION		**PART NO.**
[A]	QuickPort In-Ceiling Bracket, includes clip for drop wire/rod mounting	49223-CBC
[B]	QuickPort In-Ceiling Bracket, no clip	49223-CB0
DIN RAIL SNAP-IN JACK MODULE		
[C]	1-Port DIN Rail Snap-In Jack Module, light gray	MMCDINSIJS8
FLOORBOX BRACKETS & MODULES (LJ6C-Style)		
	6-Port Floorbox Bracket, white	MMCFBBSIJ645U
	9-Port Floorbox Bracket, white	MMCFBBSIJ945U
[D]	25 x 38 mm Shuttered Floorbox Module, white	MMCWDO06C001
[E]	25 x 38 mm Angled Shuttered Floorbox Module, white	MMCANG06C3
[F]	25 x 38 mm Floorbox Blank, white	MMCBLK06C3
	25 x 38 mm Slimline Shuttered Module, unshielded, white	GPCSL06CUB03

A   B   C   D   E

F   G   H   I   J

HOUSINGS & FACEPLATES

Faceplates, Back Boxes & Modules

UK-STYLE FACEPLATES, BACK BOXES AND MODULES

- Outlet solutions for wall and trunking applications
- Used with select Leviton Snap-In Jacks and QuickPort™ jacks
- UK-style faceplates come with M3.5 mounting screws and are available in both modular or shuttered versions
- Back boxes allow surface-mount applications
- Fiber modules available (see page C8)

GIGAPLUS CAT 5E SLIMLINE SHUTTERED MODULES

- Suitable where internal back box space is limited
- Color-code wiring label included

Compatibility References:
See pages C9-C10 for housings, faceplates, and jack compatibility.

FACEPLATES, BACK BOXES & MODULES (UK, INDIA, MIDDLE EAST, AFRICA)		
DESCRIPTION		**PART NO.**
	86 x 86 mm Single-Gang Modular Faceplate, white	MMCWDOUNI030
[A]	86 x 147 mm Double-Gang Modular Faceplate, white	MMCWDOUNI031
[B]	86 x 86 mm 1- Port Shuttered Faceplate, white	MMCWDOUNI070
[C]	86 x 86 mm 2- Port Shuttered Faceplate, white	MMCWDOUNI071
	12.5 x 50 mm Faceplate Blank, white	MMCWDOUNI052
[D]	25 x 50 mm Faceplate Blank, white	MMCWDOUNI042
[E]	50 x 50 mm Faceplate Blank, white	MMCWDOUNI040
[F]	25 x 50 mm Shuttered Faceplate Module, white	MMCWDOUNI062
[G]	25 x 50 mm Angled Faceplate Module, white	MMCANG0623
[H]	44 mm Deep, single-gang back box, white	MMCSGBB44001
	32 mm Deep, single-gang back box, white	MMCSGBB32001
	44 mm Deep, double-gang back box, white	MMCDGBB44002
[I]	32 mm Deep, double-gang back box, white	MMCDGBB32002

GIGAPLUS CAT 5E SLIMLINE SHUTTERED MODULES			
DESCRIPTION		**UNSHIELDED**	**SHIELDED**
[J]	50 x 25 mm Slimline Shuttered Module, white	GPCSL062UB03	GPCSL062SB03
	50 x 25 mm Angled Slimline Shuttered Module, white	GPCSLA62UB03	—

A · B · C · D

SNAP-IN-JACK MODULES & ANGLED SNAP-IN-JACK MODULES

- Single and double modules accept Leviton Snap-In Jacks, and are compatible with Mosaic™-style faceplates with a 45 x 45 mm aperture
- 80 x 80 mm faceplate offered in Mosaic-style with 45 x 45 mm aperture

Compatibility References:
See pages C9-C10 for housings, faceplates, and jack compatibility.

SNAP-IN-JACK MODULES & ANGLED SNAP-IN-JACK MODULES (FRANCE, SPAIN, PORTUGAL)	
DESCRIPTION	PART NO.
[A] 1-Port Snap-In-Jack Module, white	MMCUNILGS45001
[B] 2-Port Snap-In-Jack Module, white	MMCUNILGD45001
[C] 1-Port Angled Snap-In-Jack Module 45 x 45 mm, white	MMCANGLGS45002
[D] 2-Port Angled Snap-In-Jack Module 45 x 45 mm, white	MMCANGLGD45002
80 x 80 mm Mosaic-Style Faceplate, white	MMCWDOUNI115
80 x 80 mm Back Box, white	MMCWDOUNI116

Snap-In Jack Modules

HOUSINGS & FACEPLATES

SPOTLIGHT   Erasmus Medical Centre Gets an Update

Erasmus MC is the largest university medical center and the second largest hospital in the Netherlands. To meet its goal of becoming one of the top 20 medical institutes in the world, Erasmus MC required a high-performance network infrastructure, and they looked to Leviton for support. The Leviton solutions installed include Cat 6A shielded cable, jacks, and patch cords, as well as single-mode air-blown fiber and pre-terminated OM4 fiber trunk cables.

The project was completed in late 2017, and the new infrastructure allows Erasmus MC to integrate state-of-the art medical equipment and health care services while accommodating future upgrades, including new digital building applications.
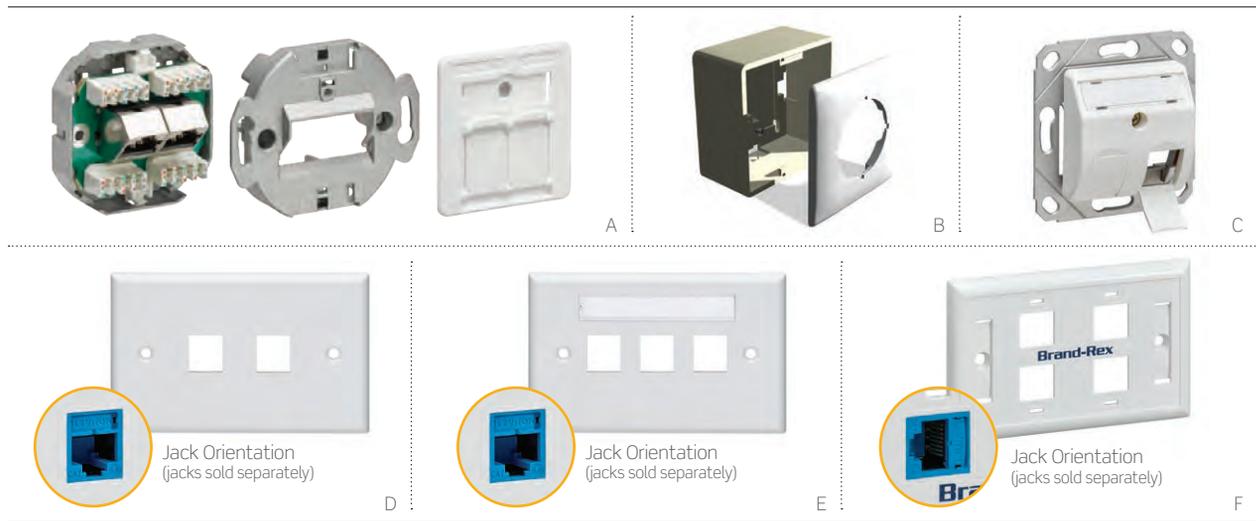
GERMAN-STYLE OUTLETS

- Shielded Modules can be flush or wall mounted using the 80 x 80 mm Faceplate and Back Box
- 50 x 50 mm Snap-in-Jack Modules have angled design to reduce bending stresses on cable

ITALIAN-STYLE FACEPLATES

- 2-, 3-, 4-, and 6-port Italian-style faceplates
- 2- and 3-port faceplate offered in horizontal alignment
- 4-port faceplate includes options for external icon placement
- Jacks sold separately

Compatibility References:
See pages C9-C10 for housings, faceplates, and jack compatibility.

GERMAN-STYLE OUTLETS

	DESCRIPTION	IVORY	WHITE
	1-Port Cat6Plus Cat 6 Shielded Module	18870NA	18870NB
[A]	2-Port Cat6Plus Cat 6 Shielded Module	18879NA	18879NB
	2-Port 10GPlus Cat 6A Shielded Module	AC6G245SU001	AC6G245SU002
[B]	80 x 80 mm Faceplate and Back Box	07058GE	07058GF
	1-Port 50 x 50 mm German-Style Snap-in-Jack Module	—	MMCANGDK1453
[C]	2-Port 50 x 50 mm German-Style Snap-in-Jack Module	—	MMCANGDK2453
	3-Port 50 x 50 mm German-Style Snap-in-Jack Module	—	MMCANGDK3453
	80 x 80 mm S95 Type Faceplate	—	18985JW

ITALIAN-STYLE FACEPLATES

	DESCRIPTION	PART NO.
[D]	2-Port 70 x 115 mm Italian-Style Horizontal Faceplate, white	41070-2WS
[E]	3-Port 70 x 115 mm Italian-Style Horizontal Faceplate with ID Window, white	42070-3WS
	4-Port 70 x 115 mm Italian-Style Horizontal Faceplate with Brand-Rex Logo, white	MMCUSSIJ4001LO
[F]	4-Port 70 x 115 mm Italian-Style Horizontal Faceplate with Brand-Rex Logo and Options for Icons, white	MMCUSSIJ4001LOICO
	6-Port 70 x 115 mm Italian-Style Horizontal Faceplate with Brand-Rex Logo, white	MMCUSSIJ6001LO

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

| | A | | B | | C | | D | | E |

45 X 45 MM & 50 X 50 MM FACEPLATE FIBER MODULES

- For installation poles, wall trunking and back boxes
- Offered in Euro-style (45 x 45 mm) and UK-style (50 x 50 mm)
- Available in LC, SC, single-mode, and multimode

MULTIMEDIA OUTLET SYSTEM FIBER MODULES

- Duplex SC and ST single-mode and multimode options

45 X 45 MM FIBER FACEPLATE MODULES (FRANCE, SPAIN, PORTUGAL)	
DESCRIPTION	**PART NO.**
[A] 45 x 45 mm Fiber Faceplate Module, LC quad multimode, white	FPCANGL4MM3
[B] 45 x 45 mm Fiber Faceplate Module, LC duplex multimode, white	FPCANGLCMM3
[C] 45 x 45 mm Fiber Faceplate Module, LC quad single-mode, white	FPCANGL4SM3
[D] 45 x 45 mm Fiber Faceplate Module, LC duplex single-mode, white	FPCANGLCSM3
45 x 45 mm Fiber Faceplate Module, SC duplex multimode, white	FPCANGDCMM3
45 x 45 mm Fiber Faceplate Module, SC duplex single-mode, white	FPCANGDCSM3
50 X 50 MM FACEPLATE MODULES (UK, INDIA, MIDDLE EAST, AFRICA)	
50 x 50 mm Fiber Faceplate Module, LC quad multimode, white	FPCANGL4MM3UK
50 x 50 mm Fiber Faceplate Module, LC duplex multimode, white	FPCANGLCMM3UK
50 x 50 mm Fiber Faceplate Module, LC quad single-mode, white	FPCANGL4SM3UK
50 x 50 mm Fiber Faceplate Module, LC duplex single-mode, white	FPCANGLCSM3UK
50 x 50 mm Fiber Faceplate Module, LC APC duplex single-mode, white	FPCANGALSM3UK
50 x 50 mm Fiber Faceplate Module, SC APC duplex single-mode, white	FPCANGADSM3UK
50 x 50 mm Fiber Faceplate Module, SC duplex multimode, white	FPCANGDCMM3UK
50 x 50 mm Fiber Faceplate Module, SC duplex single-mode, white	FPCANGDCSM3UK
MOS FIBER MODULES	
[E] 1 Duplex SC, zirconia ceramic, SM/MM, white (1 unit high)	41291-2CW
1 Duplex ST, zirconia ceramic, SM, white (1 unit high)	41291-ZTW
1 Duplex ST, phosphor bronze, MM, white (1 unit high)	41291-2TW

HOUSINGS & FACEPLATES

Fiber Modules

HOUSINGS & FACEPLATES

Use the chart below to check compatibility between our category-rated jacks, AV inserts, and housings.

✓ = Compatible
X = Not compatible

JACKS & INSERTS (see pages A8 - A14)			HOUSINGS & BRACKETS			
			Multimedia Outlet System (MOS) Surface-Mount Box 41296-MMx	QuickPort™ Surface-Mount Boxes 41089 Series	QuickPort Surface-Mount Boxes, Extended Depth 4S089 Series	QuickPort In-Ceiling Bracket 49223-CBx
QuickPort		Atlas-X1™ eXtreme™ GigaMax™ AV	✓ *	✓	✓	✓
Multimedia Outlet System		AV Fiber	✓	X	X	X
Tool-Free Shielded		10GPlus Cat 6A Cat6Plus Cat 6	X	X	X	✓
Tool-Free Unshielded		10GPlus Cat 6A Cat6Plus Cat 6 GigaPlus Cat 5e	X	X	✓	✓
Punchdown Shielded		10GPlus Cat6Plus GigaPlus Cat 5e	X	X	X	✓
Punchdown Unshielded		10GPlus LSA Cat6Plus Cat 6	X	X	X	✓

* = Are compatible when used with QuickPort MOS Modules (see page A14).

FACEPLATES & MODULES

86 x 86 mm Faceplates	70 x 115 mm Faceplates Italian-Style	25 x 38 mm Floorbox Modules	25 x 50 mm Faceplate Modules	45 x 45 mm Snap-In Jack Modules	50 x 50 mm German-Style	DIN Rail Jack Module
MMCWDOUNI070 MMCWDOUNI071	41070-2WS 42070-3WS	MMCWDO06C001 MMCANG06C3	MMCANG0623 MMCWDOUNI062	MMCANGLGD45002	MMCANGDK2453 MMCANGDK3453 only compatible with tool-free shielded jack	MMCDINSIJS8
✓	✓	✓	✓	✓	✓	X
X	X	X	X	X	X	X
✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	X	✓	X
✓	✓	✓	✓	X	✓	X

HOUSINGS & FACEPLATES

Jack & Housing Compatibility

CABLE MANAGEMENT

SECTION **D** CONTENTS

A
40" length shown with designer cover accessory

B
40" length shown with designer cover accessory

C

D

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 (gray) 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" (2.03 m) length, 8" W x 8" D (20.3 x 20.3 cm) channel, standard black cover, hinged	[A]	8980L-VFO*	[B]	8980L-VFR
Vertical 40" (1.02 m) Cover, 8" (20.3 cm) W, black (set of 4)		—		8940L-SRC
Vertical 40" (1.02 m) Designer Cover, 8" (20.3 cm) W, gray (set of 2)		—		89265-8DC
Vertical Center Mounting Bracket, 8" (20.3 cm) W channel (bag of 4)		—		89265-BKT
Vertical Cable Retainer, 8" (20.3 cm) W channel (bag of 6)		—	[C]	89265-WR1
Vertical Slack Loop Organizer, 8" (20.3 cm) 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 (IN²)	CAT 6A CAPACITY 0.330" (8 MM) CABLE	CAT 6 CAPACITY 0.230" (6 MM) CABLE	CAT 5E CAPACITY 0.185" (5 MM) CABLE
8" Channel Size	7.88" x 6.9" (7.9 x 17.5 cm)	54.3 (137.9 cm)	159	327	505
Finger Spacing	5.5" x 1" (14 x 2.5 cm)	5.5 (14 cm)	24	50	77
Large Passthrough	4.8" x 2.6" (4.8 x 12.2 cm)	11.2 (28.5 cm)	49	101	156
Small Passthrough	2.6" dia. (6.6 cm)	5.3 (13.5 cm)	23	48	74

CABLE MANAGEMENT

Versi-Duct

A, B — C — D — E, F — G, H — I — J, K

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" (2.03 m) length, 5" W x 4" D (12.7 x 10.2 cm) channel, standard snap-on black cover (included)		4980L-VFO†		4980L-VFR
Vertical 40" (1.02 m) length, 5" W x 4" D (12.7 x 10.2 cm) channel, standard snap-on black cover (included)	[A]	4940L-VFO†	[B]	4940L-VFR
Vertical 40" (1.02 m) Cover, 5" (12.7 cm) channel, snap-on, black (set of 4)		—		4940L-SRC
Vertical 40" (1.02 m) Designer Cover, 5" (12.7 cm) channel, snap-on, gray (set of 2)		—	[C]	59265-5DC
Vertical Center Mounting Bracket, 5" (12.7 cm) channel (set of 2)		—	[D]	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

DESCRIPTION		FRONT ONLY		FRONT & REAR
Horizontal Manager, 2RU, 3" W x 3" D (7.6 x 7.6 cm) front, 2" W x 4" D (5.1 x 10.2 cm) rear*, with cover	[E]	492RU-HFO	[F]	492RU-HFR
Horizontal Manager, 1RU, 1.5" W x 3" D (3.8 x 7.6 cm) front, 1.5" W x 4" D (3.8 x 10.2 cm) rear*, with cover	[G]	491RU-HFO	[H]	491RU-HFR
Horizontal Designer Cover, 2RU, snap-on, gray		—	[I]	49265-DC2
Horizontal Designer Cover, 1RU, snap-on, gray		—		49265-DC1
Horizontal Cable Retainer (10 per package)		—	[J]	49265-WR1
Horizontal Cover Hinge (4 per package)		—	[K]	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 (IN²)	CAT 6A CAPACITY 0.330" (8 MM) CABLE	CAT 6 CAPACITY 0.230" (6 MM) CABLE	CAT 5E CAPACITY 0.185" (5 MM) CABLE
5" Channel Size	4.75" x 3.9" (12.1 x 9.9 cm)	18.5 (47 cm)	54	111	172
Finger Spacing	3" x 1" (7.6 x 2.5 cm)	3.0 (7.6 cm)	13	27	42
Passthrough	3.5" x 1" (8.9 x 2.5 cm)	3.5 (8.9 cm)	15	32	49

Versi-Duct

CABLE MANAGEMENT

A, B

C

D

E

F

G

H

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	[A]	49253-LPM	[B]	49254-LPM
Horizontal, 2RU, 4" (10.2 cm) metal rings		49253-BCM		49254-BCM
Horizontal, 4RU, 4" (10.2 cm) metal rings	[C]	49253-4CM		—
Horizontal, 1RU, 6" (15.2 cm) metal rings		49253-6PM		—
Horizontal, 2RU, 6" (15.2 cm) metal rings	[D]	49253-6MR		—
Horizontal, 4RU, 6" (15.2 cm) metal rings		49253-6CM		—
Horizontal Cable Manager Cover, 1RU		49253-1CV		—
Horizontal Cable Manager Cover, 2RU	[E]	49253-2CV		—
Horizontal Cable Manager Cover, 4RU		49253-4CV		—
Horizontal, 1RU 5 cm metal rings, black	[F]	MMCACCCM001		—
Horizontal, 1RU 8 cm metal rings, black		MMCACCCM008		—
Horizontal with brush center, 1RU, gray		MMCACCCM106		—
Horizontal with brush center, 1RU, black	[G]	MMCACCCM006		—
MODULAR CABLE MANAGER				
DESCRIPTION		GRAY		BLACK
[H] Modular Cable Manager (for use with MMCPNLX24SIJ panels)		MMCACCCMSIJ8		MMCACCCMSIJ2

A, C

B

D

E

F-H

I

J

K

REAR CABLE MANAGEMENT BARS

- 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 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 panel attaches to rack, includes rings to help manage and route incoming fiber cables, and supports any Leviton panel (see page A20 or B25 for more details)

BLANK PANEL INSERTS

- Provide a seamless look and designate rack space for future expansion

TRANSITIONAL COVERS

- Provide clean, aesthetic transition from angled patch panels to flat equipment
- Improve thermal management

REAR CABLE MANAGEMENT BARS				
DESCRIPTION		FLAT		ANGLED
Standard Cable Management Bar	**[A]**	49005-CMB	**[B]**	49006-AMB
Cable Management Clip (attaches to 49005-CMB)	**[C]**	49005-CMC		
High-Density Cable Management Bar, 1RU	**[D]**	49005-DMB		—
e2XHD Rear Cable Manager, with cable management rings (four ¼" rings)	**[E]**	E2X1F-CMB		E2XHD-CMB
BLANK PANEL INSERTS				
Blank Panel, 1RU	**[F]**	49254-BP1	**[I]**	49254-BA1
Blank Panel, 2RU	**[G]**	49254-BP2	**[J]**	49254-BA2
Blank Panel, 4RU	**[H]**	49254-BP4		—
Blank Panel, 1RU, black		MMCACCCM004		—
Blank Panel, 2RU, black		MMCACCCM005		—
TRANSITIONAL COVERS				
Transitional Cover, 1RU		—	**[K]**	49254-BC1

Rear Cable Managers & Covers

CABLE MANAGEMENT

A

B

C

D

E

Available in 11.75" and 24" diameters   F

0RU 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
- Reversible for flexible mounting options

VERTICAL TRANSITION RINGS

- Vertical Transition Rings are used for vertical and horizontal cable management and are compatible with flat and angled panels

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

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

VELCRO® BRAND STORAGE RINGS

- For inside and outside plant ensure appropriate copper and optical fiber cable bend radius; loops included

0RU PATCH CORD MANAGER	
DESCRIPTION	**PART NO.**
[A] 0RU Patch Cord Manager (bag of 2)	5RCMT-VFG
CABLE MANAGEMENT RINGS	
[B] Vertical Transition Rings for Angled Panels, 2RU	49262-HR1
[C] Side Mounted, vertical	MMCACCCM002
HINGED WALL-MOUNT BRACKETS	
[D] Hinged Wall-Mount Bracket, 2RU, 6" (15.2 cm) depth	49251-W62
Hinged Wall-Mount Bracket, 3RU, 6" (15.2 cm) depth	49251-W63
Hinged Wall-Mount Bracket, 4RU, 6" (15.2 cm) depth	49251-W64
FRONT HINGED BRACKET	
[E] Front Hinged Bracket, 3RU	49400-FHB
VELCRO® BRAND STORAGE RINGS	
Storage Rings, inside plant, 11.75" (29.9 cm) diameter	48900-IFR
[F] Storage Rings, outside plant, 24" (61 cm) diameter	48900-OFR

CABLE MANAGEMENT

Rings & Brackets

A–C

D, E

F

G

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

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)
[A]	Tie Wrap, 5" (12.7 cm) (25 units per roll)	43105-005	—	—	—	—
[B]	Tie Wrap, 8" (20.3 cm) (25 units per roll)	43108-008	—	—	—	—
[C]	Tie Wrap, 12" (30.5 cm) (25 units per roll)	43112-012	—	—	—	—
[D]	Bulk Roll, 15' (4.57 m)	43115-015	—	—	—	—
[E]	Bulk Roll, 75' (22.86 m)	43115-075	43115-75L	43115-75Y	43115-75O	43115-75P
[F]	Bulk Roll, 600' (182.88 m)	43115-600	—	—	—	—
[G]	SoftCinch Lite Roll, 75' (22.86 m)	4S115-75E	—	—	—	—

Black   Blue   Yellow   Orange   Maroon

CABLE MANAGEMENT

VELCRO® Brand

SMARTPATCH™
INFRASTRUCTURE MANAGEMENT SOLUTIONS
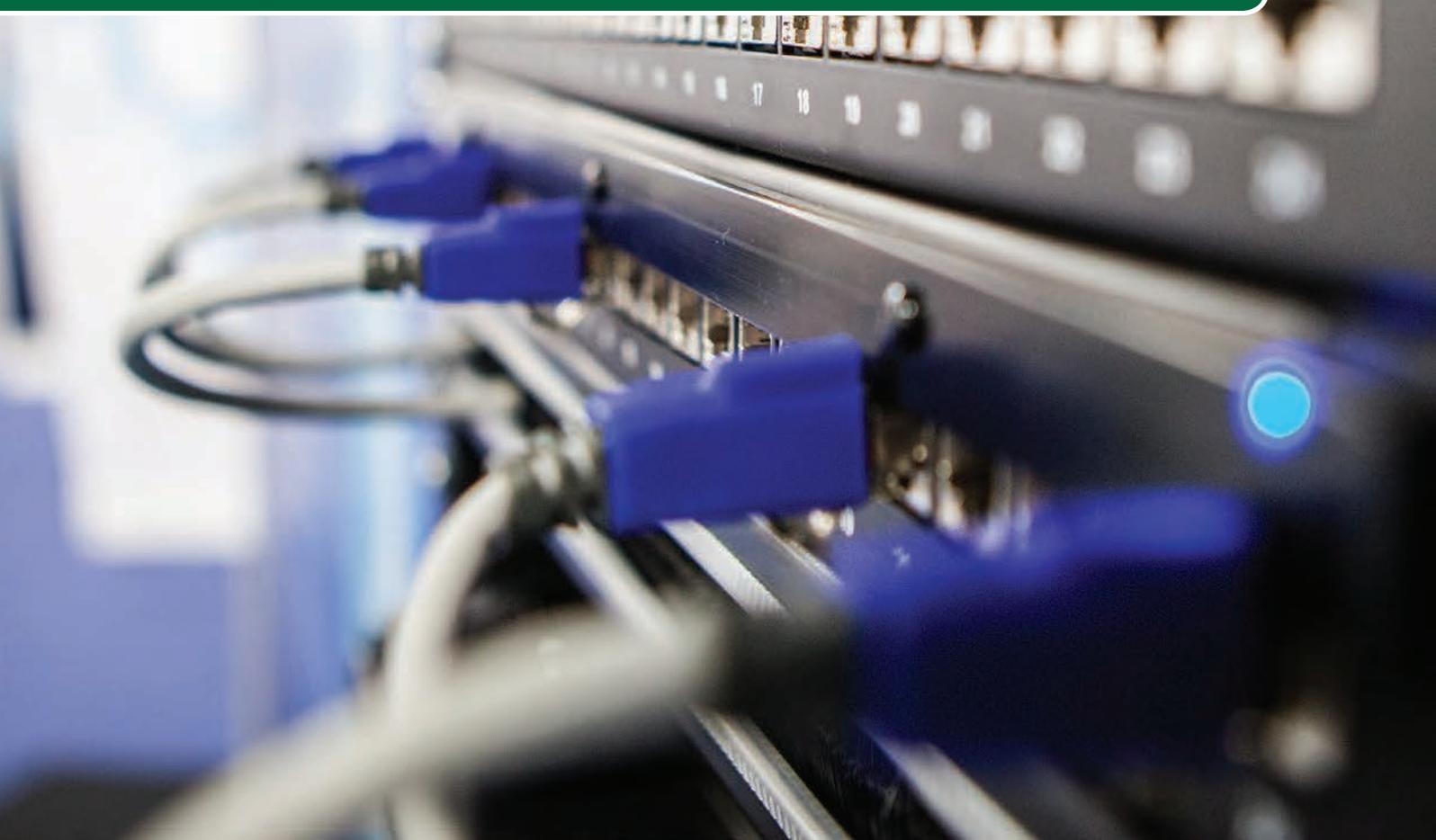
SECTION **E** CONTENTS

SMARTPATCH
INFRASTRUCTURE MANAGEMENT SOLUTIONS
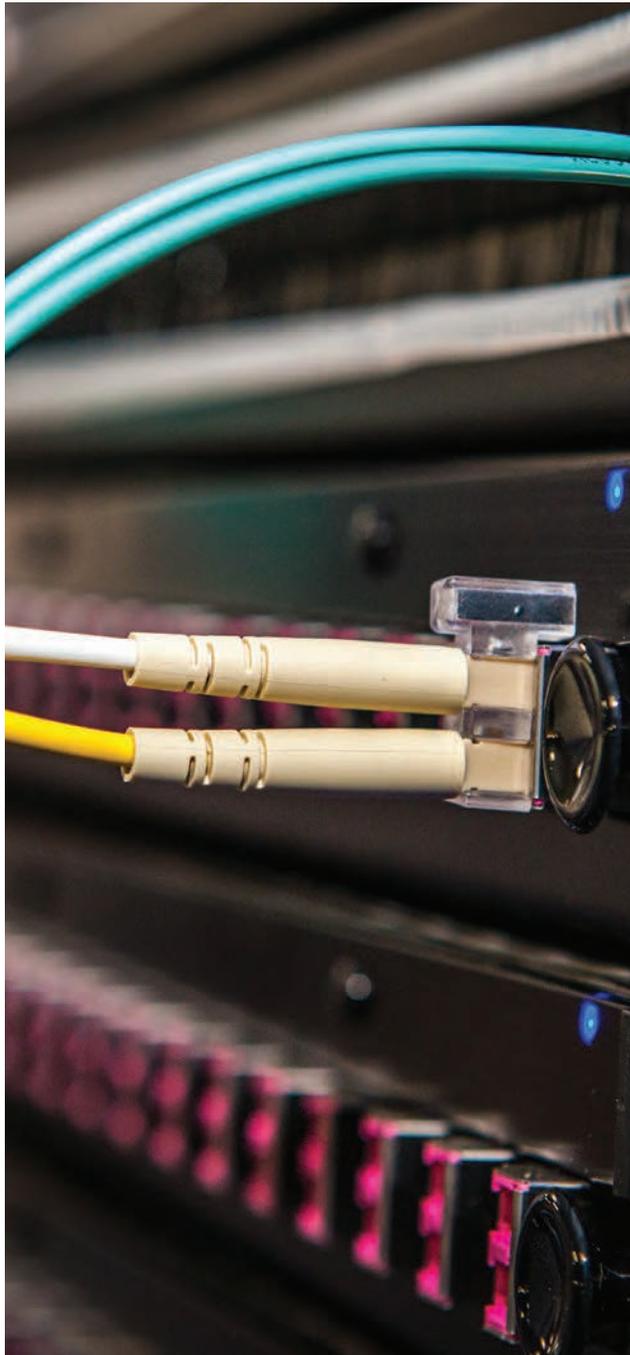
At the core of any IT Service Management framework are processes for configuration, change, and incident management. It is vital to maintain accurate and timely information to ensure the effectiveness and quality of these efforts.

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

Patch panel switch and outlet availability

Equipment room rack space availability

Data circuits

Identify users and spare network assets

SmartPatch Software

Analog and digital phone circuits

Cable duct availability and campus routes

Manage assets switches, NAS, virtual LANs, virtual servers

Equipment room rack elevations

Easily locate network assets
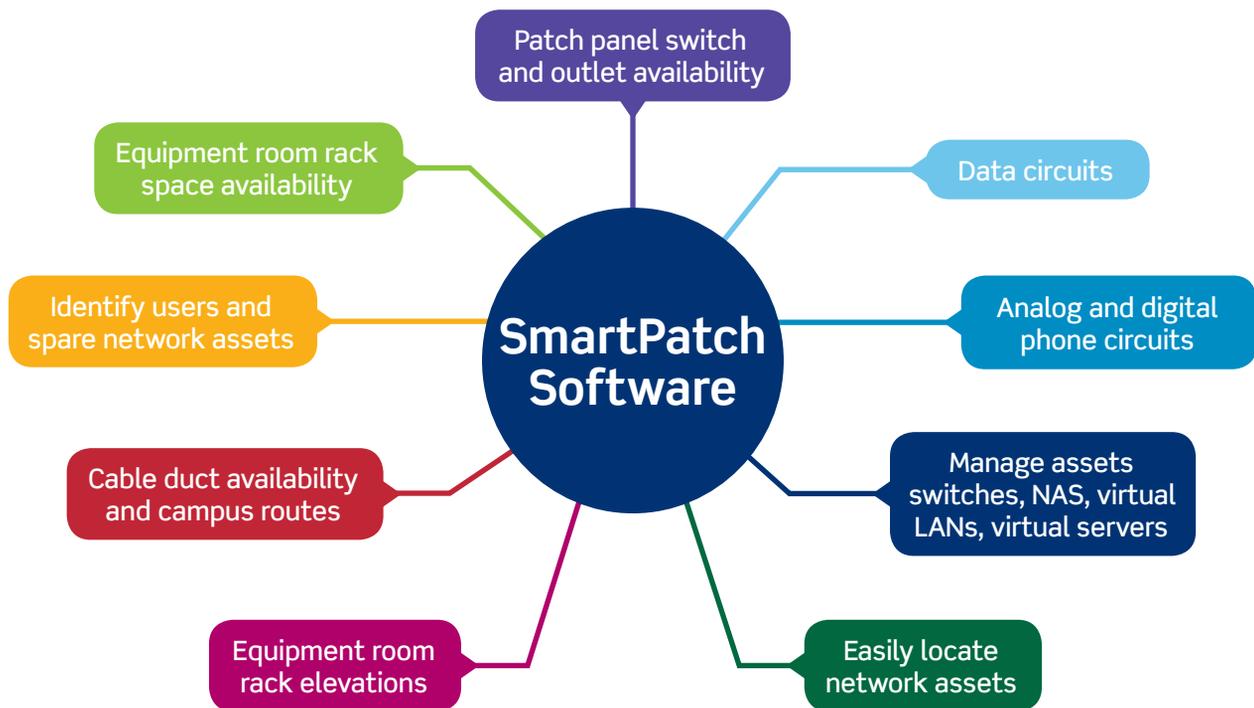
SMARTPATCH SOFTWARE

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
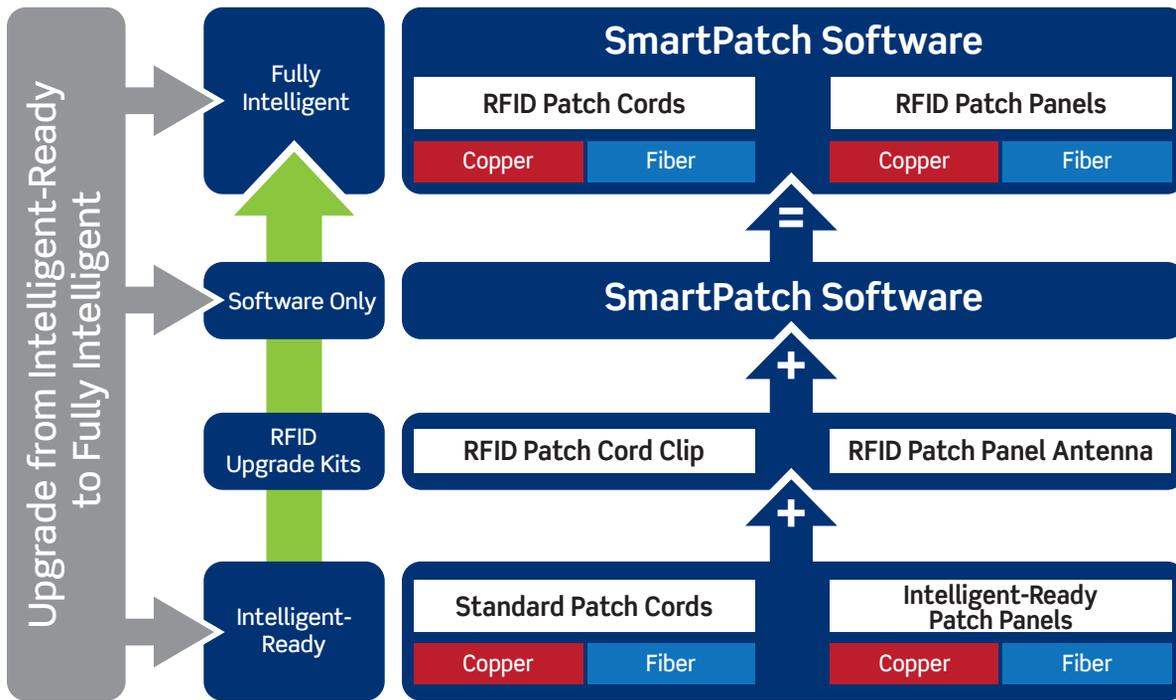
SmartPatch easily manages assets and connectivity from equipment rooms and data center floors to the workspace environment while also efficiently supporting the physical network, allowing users to:

- 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 visualization, 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)	IPSSWSVR10RT1
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	IPSSWSVRSAE-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)	IPSSWSVR10RT1-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

Software

SMARTPATCH

A

B

C

D

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.
[A] 1RU Network Scanner, black	IPSRTU1U2
[B] Zero RU Network Scanner, black	IPSRTU0U2

SMARTPATCH PANELS		
DESCRIPTION	INTELLIGENT	INTELLIGENT- READY
[C] 1RU 24-Port Copper Panel, black	IPSPNLX24SIJ2M	IPSPNLX24SIJ2M-X
[D] 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

LEVITON

SMARTPATCH — System Components

A | B | C, D

E | F | G | H | I

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.
[A] RFID LC Fibre Patch Cord Clip, clear, individual clip (one required for each cord end)	IPSPCCLPLCD
[B] RFID RJ-45 Copper Patch Cord Clip, blue, individual clip (one required for each cord end)	IPSPCCHB004
[C] RFID Copper Antenna Kit, black	IPSATTRFID001
[D] RFID Fiber Antenna Kit, black	IPSATTRFID002
SMARTPATCH BUS CABLE SYSTEM & TOOLS	
[E] Bus Connector Crimp Tool	IPSCRTOOL2
[F] Bus Ribbon Cable (26 AWG 7/0.14mm 1.27mm pitch 6 way), black and red	IPSTCBL6W2
[G] Inline Crimp Bus Cable Connector (female), black	IPSCON6WV90
[H] Bus End Terminator (male with resistor), black	IPSCON6W180
[I] RFID Bluetooth Reader/Writer	IPSFRIDRW2

SMARTPATCH

Accessories

PART NUMBER INDEX
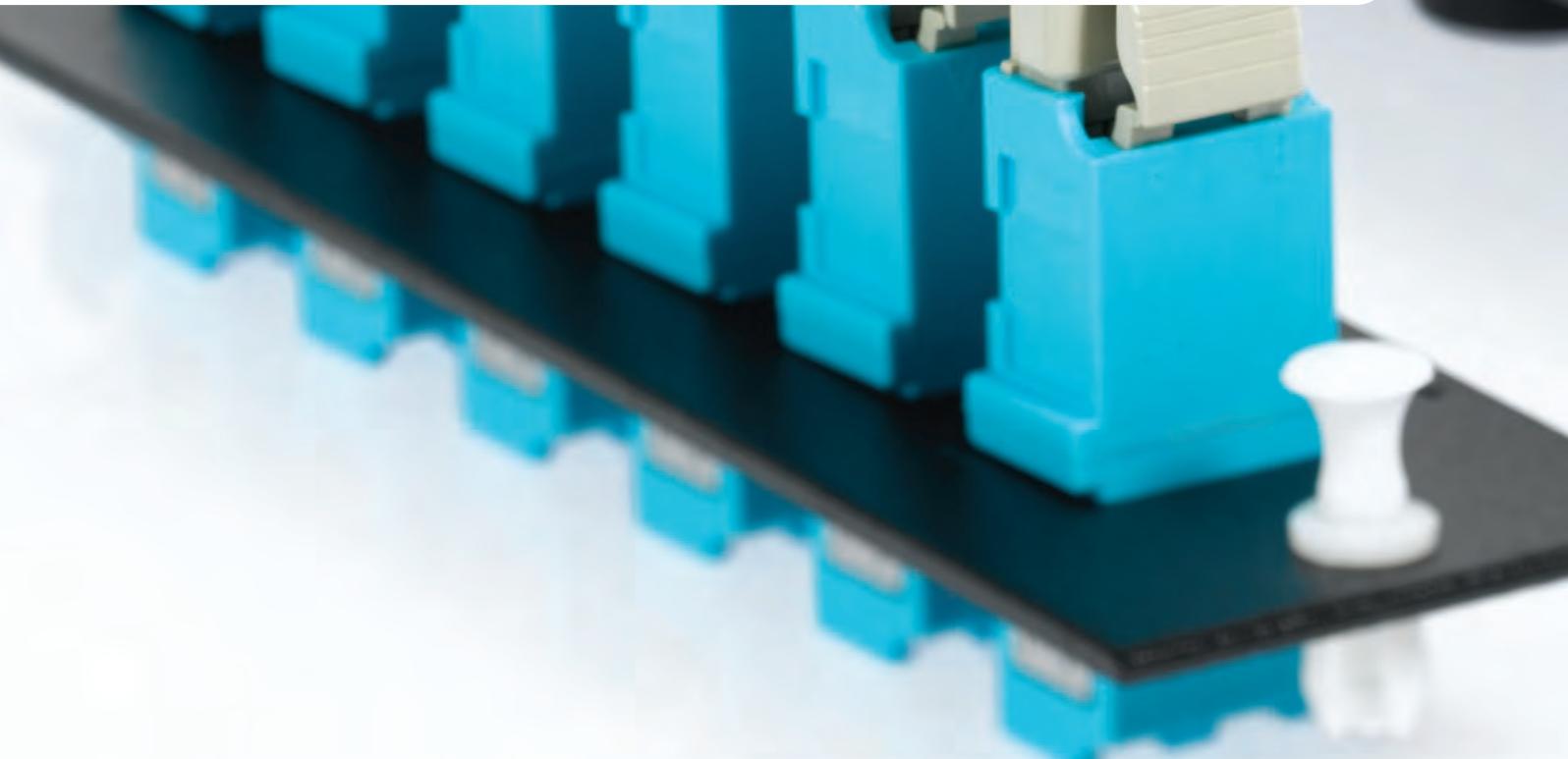
For copper cable part numbers, see the following pages:
- Category 8, 7A, 7: A37
- Category 6A: A38-A39
- Category 6: A39-A41
- Category 5e: A42

For fibre cable part numbers, see the following pages:
- Tight-Buffered Premise Cables: B47
- Loose-Tube Cables: B48-B60
- Fire-Survival Cables: B60

Part Number Index

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Part Number Index

INDEX

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Network Solutions

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Network Solutions

Today's networks must be fast and reliable, with the flexibility to handle ever-increasing data demands. Leviton can help expand your network possibilities and prepare you for the future. Our end-to-end cabling systems offer performance that exceeds standards and feature robust construction to reduce downtime. Add custom and make-to-order solutions from Leviton's US and UK factories, and you get the **highest return** on your **infrastructure investment**.

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