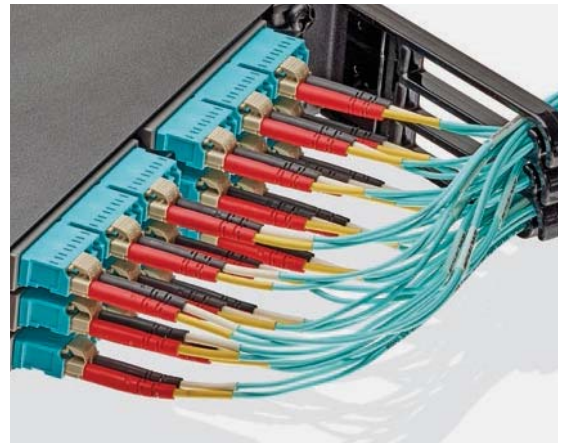


Network Solutions for the  
**HIGHEST RETURN** on your  
Infrastructure Investment

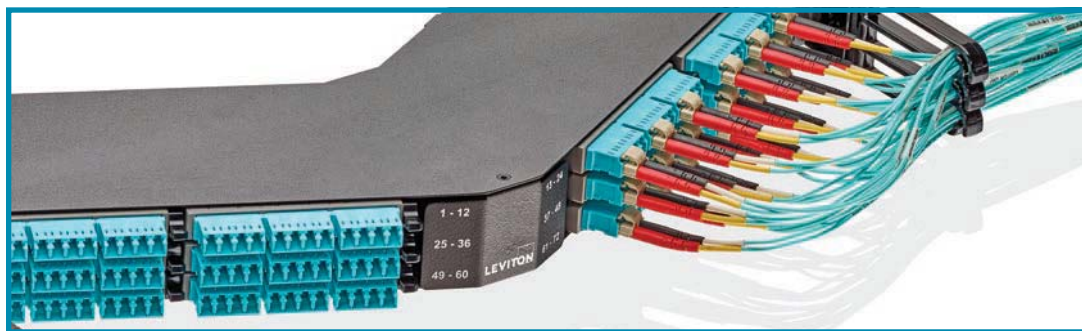


2018 Catalogue  
Europe

**A** Copper Solutions



**B** Fibre Solutions



**C** Housings & Faceplates



**D** Cable Management



**E** SmartPatch® Intelligent Infrastructure



**Two years ago**, Leviton acquired Brand-Rex, merging two leading manufacturers of network connectivity and cable. Since then, we have combined our expertise and resources to create a single, global solutions provider that is committed to delivering the utmost quality, customer service, and innovative products, backed by a comprehensive warranty.



As part of our continuous effort to better serve our customers, we have introduced some great new solutions, including the Atlas-X1™ jack, the HDX fibre cassette platform, SDX fibre wall-mount enclosures, and an expanded line of CPR compliant cable. We just opened a new Data Centre Factory in Glenrothes, Scotland, which manufactures bespoke network products. These include pre-terminated trunk cables that combine our best US-made connectivity with European standards rated cables for a complete solution, delivered rapidly.

We have taken the next step to move all the products in this catalogue under the Leviton brand. All existing Brand-Rex products are still available, but will now carry the Leviton logo, as will our factories and sales offices.

**This all translates into greater benefits for you:**

- More product options to fit your network needs
- Even better support, delivery, and service, wherever you are located
- Faster deployment through new make-to-order assemblies and trunks
- Confidence from using a stable, century old supplier who is invested in the future

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

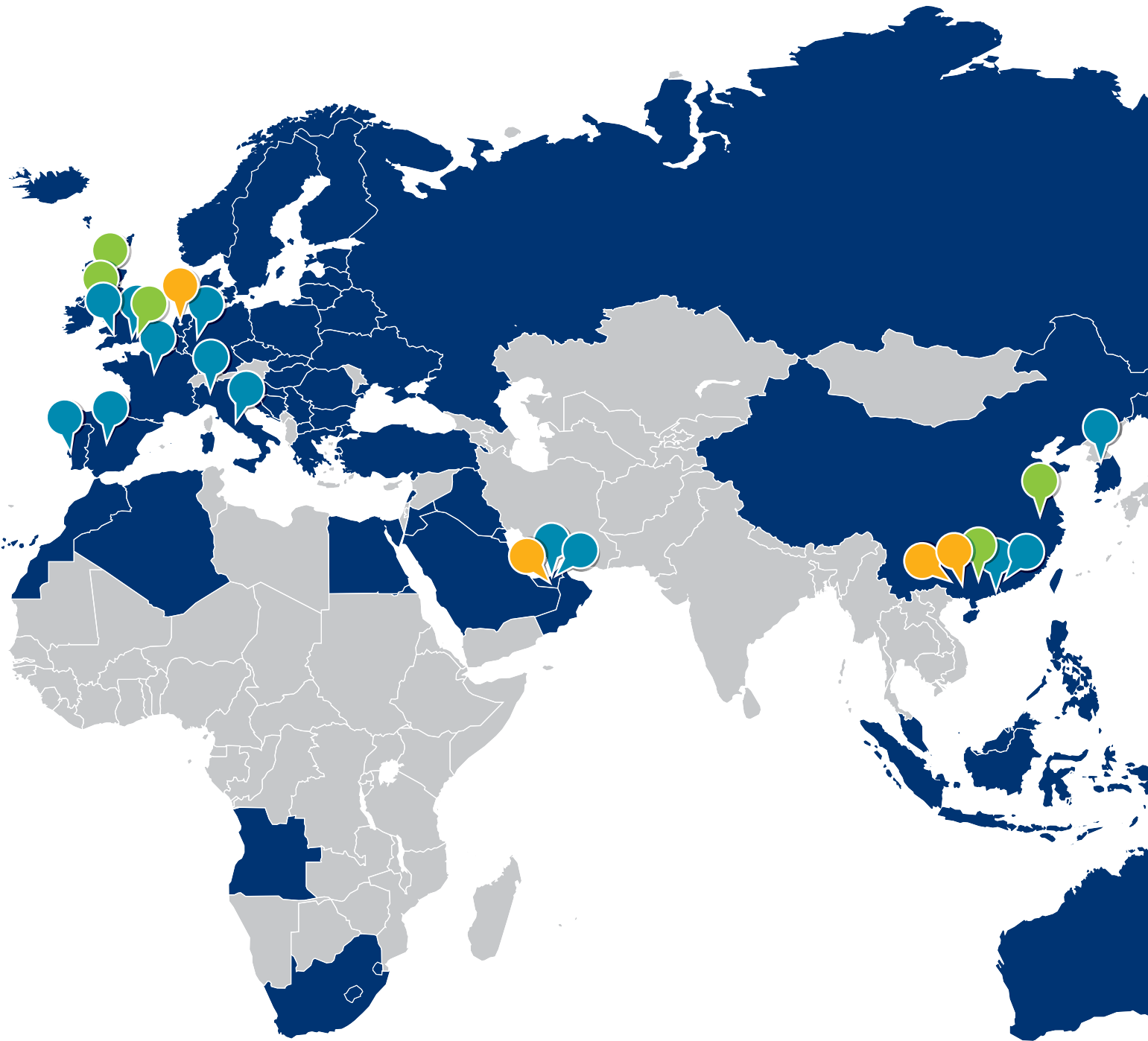
Thank you for choosing Leviton. Our network experts are always ready to help if you need assistance, and we look forward to working with you in the future.



# 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.

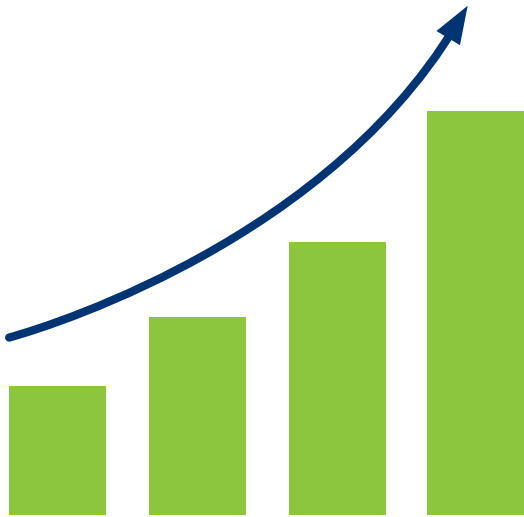


**100+**  
COUNTRIES

**20**  
GLOBAL SALES  
OFFICES

**8**  
WAREHOUSES

**16**  
MANUFACTURING  
FACILITIES



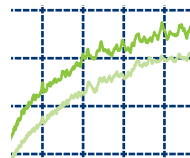
# Outstanding **RETURN ON** Infrastructure **INVESTMENT** ROI

We understand that the best value comes from more than a high-quality, affordable product — it means delivering peace of mind. With unbeatable service, best-in-class support, and the reassurance that comes from working with an experienced, stable supplier, you get by far the highest return on infrastructure investment in the industry.



## COMMITTED TO CUSTOMERS AND THE ENVIRONMENT

We're dedicated to creating the exact solutions customers require while reducing our carbon footprint. In fact, Leviton's European headquarters is the first carbon neutral structured cabling and connectivity facility in the world.



## 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.



## A CULTURE OF INGENUITY AND INNOVATION

Leviton has hundreds of active datacom patents and numerous pioneering "industry firsts." These solutions are created by our talented development teams who work in highly collaborative state-of-the-art environments.



## INDUSTRY'S BEST SERVICE AND SUPPORT

Every installation is backed by responsive customer support. This includes a variety of technical teams, including specification engineers, data centre 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  
CENTRE SOLUTIONS**

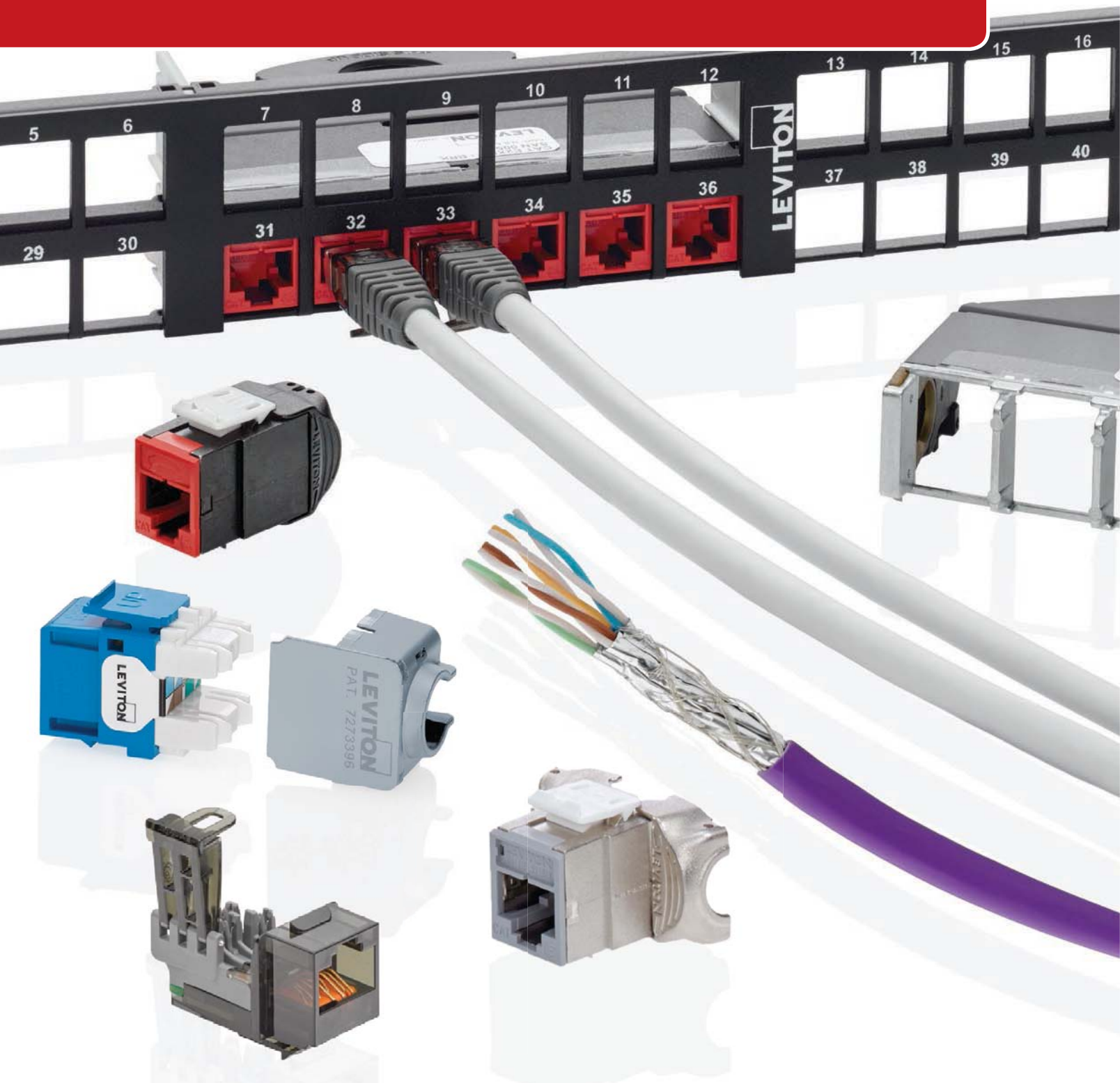
**BEST-IN-CLASS CATEGORY-RATED  
COPPER SYSTEMS**

**HIGH PERFORMANCE  
OPTICAL FIBRE SYSTEMS**

**AUDIOVISUAL AND WORK  
AREA CONNECTIVITY**

**INTELLIGENT INFRASTRUCTURE  
MANAGEMENT**

# COPPER SOLUTIONS





## SECTION A CONTENTS

<b>COPPER SYSTEMS</b>	<b>A3</b>	Overview	<b>CROSS CONNECT</b>	<b>A25</b>	110-Style Wiring Products
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# 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 centre, 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 colour 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.



# 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	5ESJK-x*5	
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	

\* = Colour

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	69270-Uxx 69586-xxx 69587-xxx Any empty unshielded QuickPort panel	5G270-Uxx 5G596-xxx 5G597-xxx Any empty unshielded QuickPort panel	
AC6JAKU002 AC6JAKU0K*	C6CJAKU002 C6CJAKU0K3 C6CJAKU013	GPCJAKU002 GPCJAKU0K*	
AC6PCGxxx-*88HB	C6PCUxxx-***BB	GPCPCUxxx-***HB	
Any 1RU 24-port modular panel			
	C6CPNLU240K2M C6CPNLU24012M C6CPNLU240K2H	GPCPNLU24012M GPCPNLU24002	

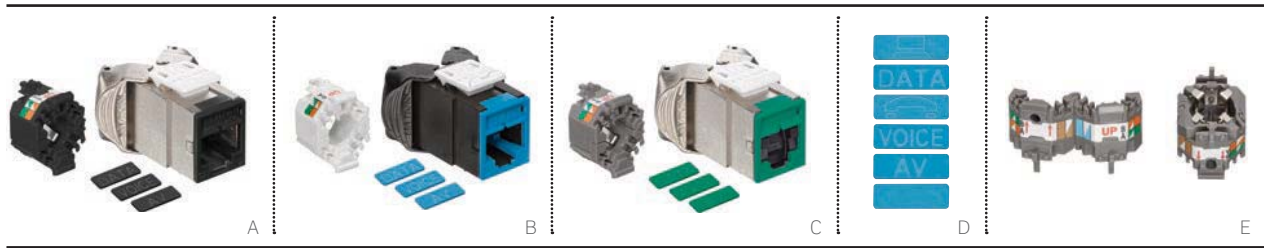


## FEATURED PRODUCTS

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

## 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.



## 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), colour-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 optimised 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 A32 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	5EUJK-S*5

## 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	5ESJK-R*5
Atlas-X1 Shielded QuickPort Jack with Shutter		—	6ASJK-S*6	61SJK-S*6	[C] 5ESJK-S*5

† = Cat 8 jacks available in grey and black only.

\* = Colours: Choose from any of the colours below.



## 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, grey	[E]	AXSJK-BGM
Atlas-X1 Shielded Wire Managers for Cat 8, bag of 10, black		AXSJK-BEM

\* = Colours: Choose from any of the colours above.

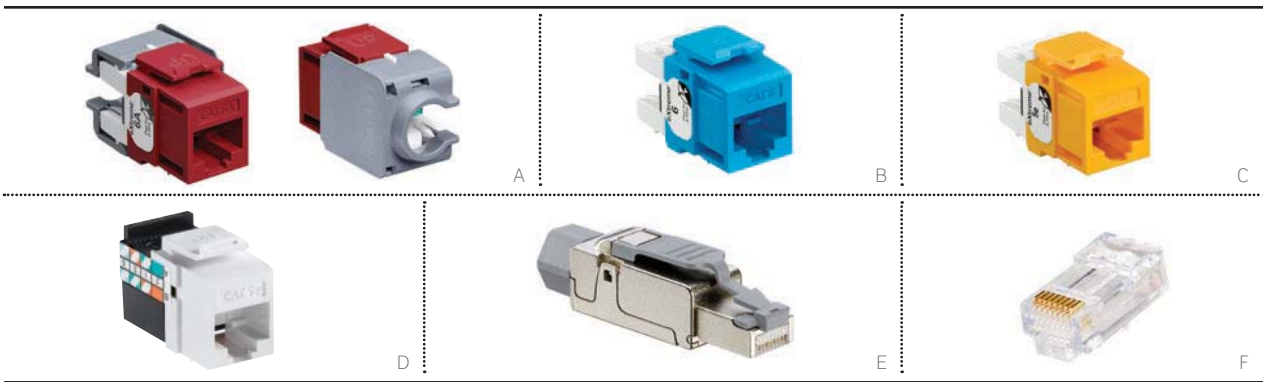
### Compatibility References:

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

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

# CATEGORY-RATED JACKS | eXtreme® & GigaMax® QuickPort® & Plugs

COPPER



## EXTREME UNSHIELDED QUICKPORT JACKS

- Patented Retention Force Technology (RFT) protects against time damage and maintains contact force between plug and jack, preventing arcing from intermittent disconnects in PoE applications
- Pair Separation Towers facilitate quick, effective termination
- Compatible with Fluke JackRapid™ Punchdown Tool for quick and easy terminations
- Cat 6A jack includes a patented Cone of Silence® for additional alien crosstalk (AXT) suppression
- Patented large-format, tear-away, dual-layer wiring guide
- Supports Power over Ethernet (PoE) — see specification sheets for full PoE 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 for quick and easy terminations
- Durable one-piece frame built for longevity
- Supports Power over Ethernet (PoE) — see specification sheets for full PoE capabilities
- Made in the USA

## CAT 6A & CAT 6 PLUGS

- Cat 6A plug offers easy field termination without special tools and terminates from 26- to 22-gauge solid or stranded conductors
- Cat 6 plug provides quick unshielded wire terminations, with clear housing for wire sequence verification and cable feedthrough plug opening for crimp precision

## EXTREME UNSHIELDED QUICKPORT JACKS

DESCRIPTION	1-PACK	QUICKPACK® 25-PACK	QUICKPACK 150-PACK WITH JACKRAPID TOOL
<b>[A]</b> eXtreme Cat 6A Unshielded QuickPort Jack	6110G-R*6	—	—
<b>[B]</b> eXtreme Cat 6 Unshielded QuickPort Jack	61110-R*6	61110-B*6	61110-J*6
<b>[C]</b> eXtreme Cat 5e Unshielded QuickPort Jack	5G110-R*5	5G110-B*5	5G110-J*5

## GIGAMAX UNSHIELDED QUICKPORT JACK

<b>[D]</b> GigaMax Cat 5e Unshielded QuickPort Jack	5G108-R*5	5G108-B*5	5G108-J*5
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\* = Colours: Choose from any of the colours below.

All Leviton category-rated jacks are RoHS Compliant.

## CAT 6A & CAT 6 PLUGS

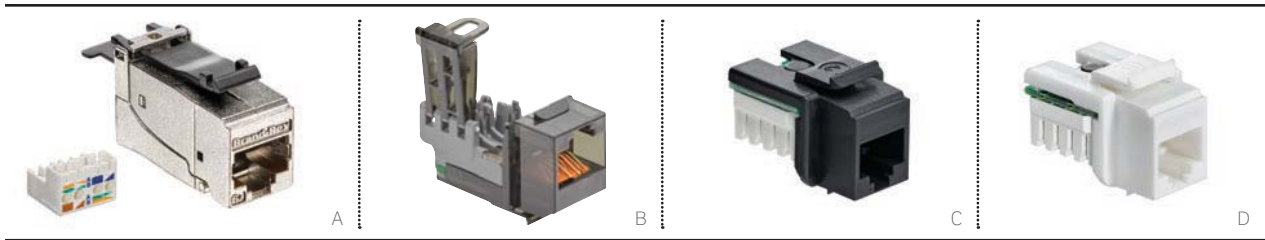
DESCRIPTION	PART NO.
<b>[E]</b> Cat 6A Universal Tool-Free Plug	6APLG-S6A
<b>[F]</b> Cat 6 EZ-RJ45 Plug <sup>^</sup>	47613-EZ6

<sup>^</sup> = See Copper Tools Page A52 for EZ-RJ45 crimp tool part number

**Compatibility References:**  
 See pages A29-A30 for patch panel and jack compatibility.  
 See pages C9-C10 for housings, faceplates, and jack compatibility.







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

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

### Compatibility References:

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

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

## 10GPLUS CAT 6A UNSHIELDED TOOL-FREE SNAP-IN JACKS

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

### 10GPLUS CAT 6A TOOL-FREE SNAP-IN JACKS

DESCRIPTION	PART NO.
<b>[A]</b> 10GPlus Cat 6A Shielded Tool-free Snap-In Jack	AC6JAKS000DC
<b>[B]</b> 10GPlus Cat 6A Unshielded Tool-free Snap-In Jack	AC6JAKU002

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

<b>[C]</b> 10GPlus Cat 6A Unshielded LSA-Style Snap-in Jack, black	AC6JAKU0K2
<b>[D]</b> 10GPlus Cat 6A Unshielded LSA-Style Snap-in Jack, white	AC6JAKU0K3
10GPlus Cat 6A Shielded LSA-Style Snap-in Jack, metallic	AC6JAKF0K2

## SPOTLIGHT

### Component vs. Channel Rated Performance

FEATURE	COMPONENT RATED	CHANNEL RATED
Meets ANSI/ISO standard	✓	✓
Exceeds ANSI/ISO standard	✓	
Complete end-to-end channel tested	✓	✓
Individually certified (tested) component	✓	
Meets channel-link performance	✓	✓
Greater permanent-link performance	✓	
Ensures multi-manufacturer channel compatibility	✓	



# CATEGORY-RATED JACKS | Cat6Plus Cat 6



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

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

**Compatibility References:**  
 See pages A29-A30 for patch panel and jack compatibility.  
 See pages C9-C10 for housings, faceplates, and jack compatibility.

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

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

## CAT6PLUS CAT 6 SNAP-IN JACKS

- LSA and 110 style options
- Shielded and unshielded options

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

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 JACKS

DESCRIPTION	LSA-STYLE	110-STYLE
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
[C] Cat6Plus Cat 6 Shielded Snap-In Jack, metallic	C6CJAKF0K2	—



A



B

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

- Tool-free design requires no specialised termination tool
- Compatible with all Leviton UK and Continental UNI style faceplates and products
- Designed for rear, top, or side cable entry for maximum flexibility

### Compatibility References:

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

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

## GIGAPLUS CAT 5E SNAP-IN JACKS

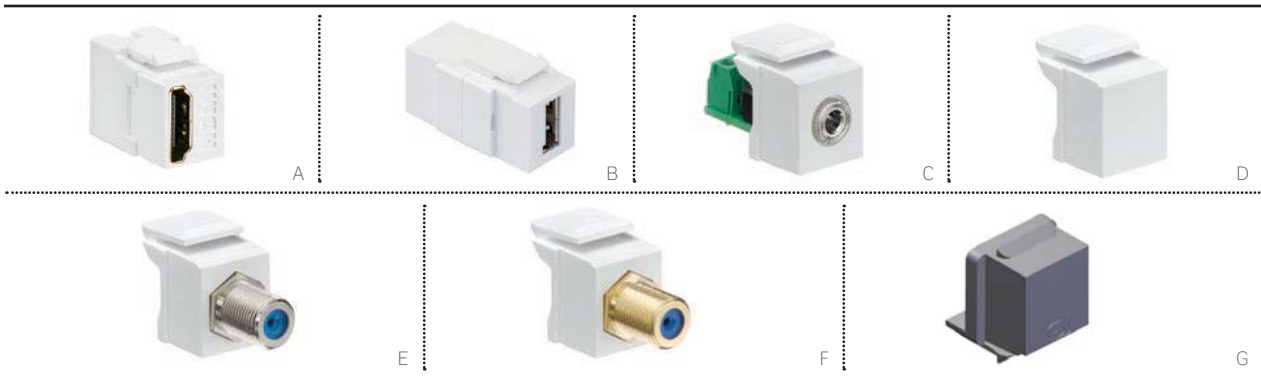
- Shielded and unshielded options
- LSA and 110-style options
- Compatible with all Leviton UK and European style faceplates and products

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

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

### GIGAPLUS CAT 5E SNAP-IN JACKS

DESCRIPTION	LSA-STYLE	110-STYLE
GigaPlus Cat 5e Unshielded Snap-In Jack, black	—	GPCJAKU012
GigaPlus Cat 5e Unshielded Snap-In Jack, white	GPCJAKU0K3	GPCJAKU013
<b>[B]</b> GigaPlus Cat 5e Shielded Snap-In Jack, metallic	—	GPCJAKF012



## AV CONNECTORS & ADAPTORS

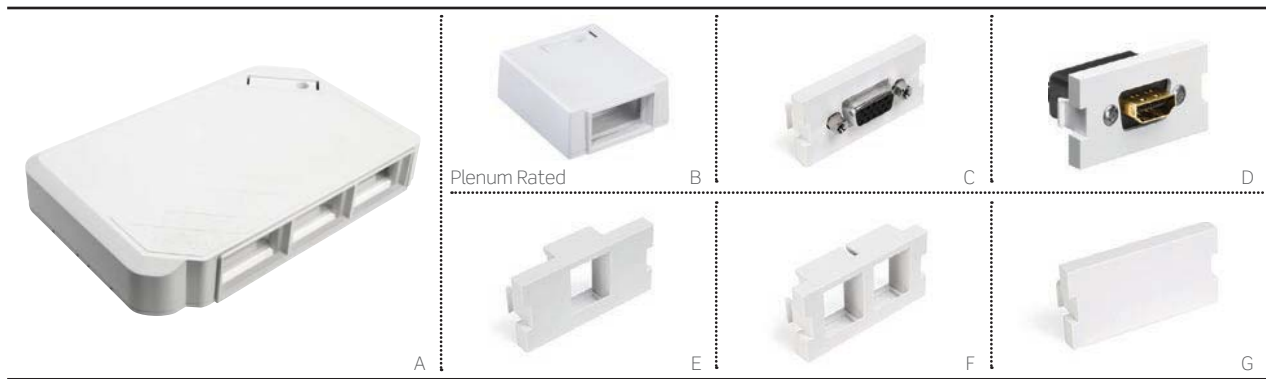
- HDMI® connector works with HDMI Type A connectors
- 3.5 mm Stereo Adaptor facilitates classroom, workstation, and computer audio applications
- Coax F-Connectors are SCTE compliant and support signals up to 3 GHz
- Blank inserts secure unused ports in faceplates and housings for future expansion

### Compatibility References:

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

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

QUICKPORT AV CONNECTORS & BLANKS	
DESCRIPTION	PART NO.
[A] HDMI Connector, feedthrough, white	40834-00W
[B] USB A/A Connector, feedthrough, white	40835-00W
[C] 3.5 mm Stereo Adaptor, screw terminal, white	40839-SWS
[D] Blank Insert (pack of 10), white	41084-0BW
QUICKPORT F-CONNECTORS	
[E] F-Connector, nickel plated, feedthrough, white	41084-FWF
[F] F-Connector, gold plated, feedthrough, white	40831-0BW
SNAP-IN-JACK PATCH PANEL ACCESSORIES	
[G] Snap-in Jack Blank, black	MMCJAKBLK2
Snap-in Jack Blank, white	MMCJAKBLK3



MOS Inserts, Modules & Surface-Mount Boxes  
**COPPER**

## 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 fibre 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
- See page C8 for fibre MOS modules

### MULTIMEDIA OUTLET SYSTEM (MOS) SURFACE-MOUNT BOXES

DESCRIPTION	PART NO.
<b>[A]</b> Surface-Mount Box, 3-unit with fibre storage	41296-MMW
<b>[B]</b> Surface-Mount Housing, holds one 1-unit-high module	4M089-1WM

### MOS AV CONNECTOR MODULES

<b>[C]</b> VGA/HD15 Module, feedthrough (1 unit high)	41293-HDW
<b>[D]</b> HDMI® Module, feedthrough (1 unit high)	41290-HDW

### QUICKPORT & BLANK MODULES

<b>[E]</b> 1-Port QuickPort Module (1 unit high)	41291-1MW
<b>[F]</b> 2-Port QuickPort Module (1 unit high)	41291-2QW
<b>[G]</b> 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 suitable for installation in air-handling (plenum) spaces.

Learn more on page C3.



## FEATURED PRODUCTS

1RU 48-Port Flat & Angled Shielded Panels **A18, A19**

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

# Patch Panels & Cross Connect

Choose Leviton for all your patch panel needs. Our e2XHD high-density panels make patching easier than ever, using snap-in copper and fibre 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 centre applications where fast single-click deployment and simple maintenance is important. They accept both unshielded and shielded copper as well as fibre e2XHD snap-in cassettes in the same panel.



Flat 48-Port

**Available Styles:** Flat | Angled

## 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 24-Port



Flat 48-Port

**Available Styles:** 110-Style | LSA-Style | QuickPort | Modular

## Angled Patch Panels ▶ A19

Recommended for use in racks to optimise patch cord management and rack space utilisation. Flat panels with angled ports also available.

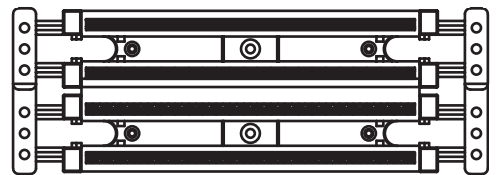


Angled 48-Port

**Available Styles:** 110-Style | QuickPort

## Cross-Connect ▶ A25-A28

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



Cross-Connect 110-Style Wiring Block

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

### SPOTLIGHT

#### Cat 6 110-Style Panel Feature: Grounding Jumper

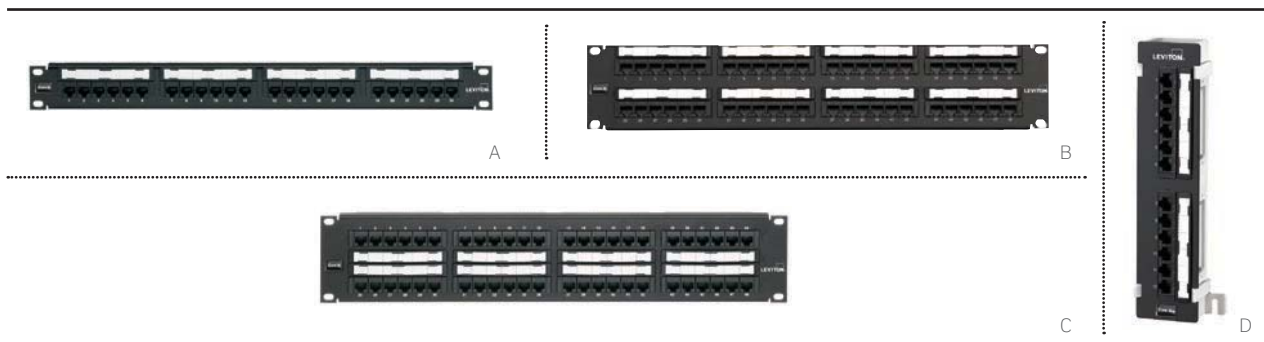
Leviton Cat 6 1RU 24-Port and 2RU 48-Port Flat 110-Style Patch Panels include a factory assembled, standard compliant grounding jumper for grounding flexibility. The panels also include ring and spade terminals for user-supplied ground wire.



# PATCH PANELS | Flat Metal 110-Style > Unshielded

Patch Panels

COPPER



## 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 colour codes for T568A and T568B wiring schemes
- Includes 25-pair wiring schemes
- Silk-screened port numbers and paper label holders included
- Optional 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

## 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.

## FLAT 110-STYLE PATCH PANELS & PATCH BLOCK

DESCRIPTION	CAT 6	CAT 5E
1RU 12-Port Flat 110-Style Patch Panel	69586-U12	5G596-U12
1RU 24-Port Flat 110-Style Patch Panel	<b>[A]</b> 69586-E24	Contact Customer Service
2RU 48-Port Flat 110-Style Patch Panel	<b>[B]</b> 69586-E48	Contact Customer Service
2RU 48-Port Flat 110-Style Patch Panel, central labelling	<b>[C]</b> 69586-C48	5G596-C48
4RU 96-Port Flat 110-Style Patch Panel	69586-U96	5G596-U96
12-Port 110-Style Patch Block, 89D bracket	69586-U89	<b>[D]</b> 5G596-U89

## SPOTLIGHT

### Cat 6A Component-Rated 110-Style Patch Panels

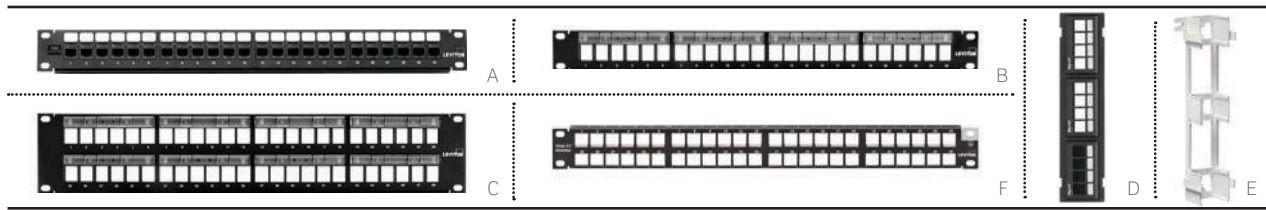


Coming Early 2018

Leviton Cat 6A 110-style patch panels offer ANSI/TIA-568-C.2 performance up to 500 MHz to support 10GBASE-T networks. The panels have a physical design consistent with industry-standard 110-style panels, including in-line configured IDCs and 6-port housing modules. In addition, they add several exclusive design features:

- Pair Separation Tower design makes untwisting Cat 6A pairs easier
- Separated IDC fields simplify identifying first cable-pair position
- Conductor retention feature holds conductors securely in place during termination
- Triple-stage compensation with patented design features enhances permanent link and channel performance





## 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 grounding hardware
- High-density 1RU 48-port option maximises 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	5G270-U24	49255-H24
2RU 48-Port Flat QuickPort Patch Panel	6910G-U48	69270-U48	5G270-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-OQP
QuickPort Patch Block 89D Mounting Bracket (mounts to item D)	—	—	—	[E] 40089-00D

## ATLAS-X1 FLAT SHIELDED PATCH PANELS

1RU 24-Port Flat Shielded QuickPort Patch Panel	—	—	—	4S255-S24
1RU 48-Port Flat Shielded QuickPort Patch Panel	—	—	—	[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:

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

## SPOTLIGHT

### Rear Cable Management Bar



1RU 24-Port Patch Panels



1RU 48-Port Patch Panel

Leviton's popular Rear Cable Management Bar (49005-CMB) creates a great way to route and dress cable. The manager offers four key benefits:

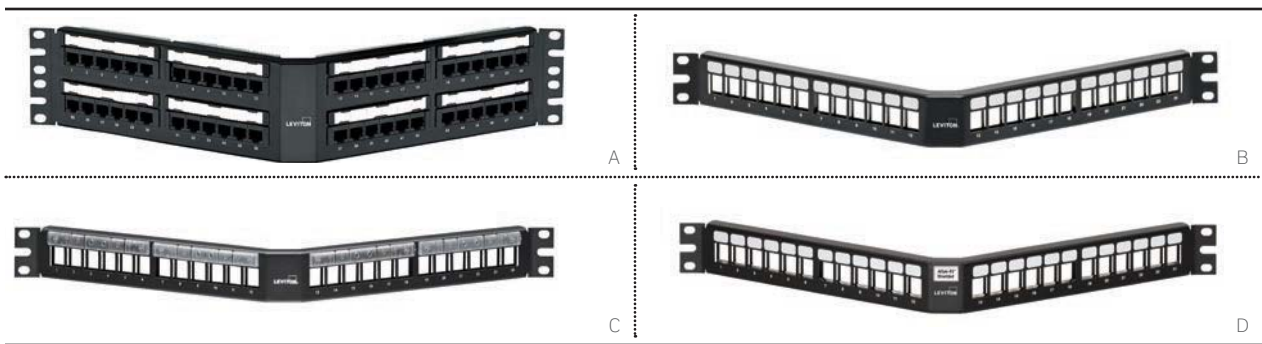
**Flexibility:** The straight steel tubing allows for numerous options when grouping and dressing incoming cables, as opposed to managers created for tying down each cable individually.

**Higher Density:** The rear manager can be used to tie down up to 48 ports, routing 24 copper cables above the bar and 24 cables underneath.

**Ease of Installation:** With the ability to tie down cables in groups instead of individually, the manager makes dressing easier, faster, and more efficient.

**Aesthetics:** The straight bar creates a cleaner, simpler look than many other rear managers.

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



## 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 grounding hardware
- High-density 1RU 48-port option maximises rack space and reduces costs in high-density applications

### Compatibility References:

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

### AVAILABLE CABLE MANAGEMENT:

See Section 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

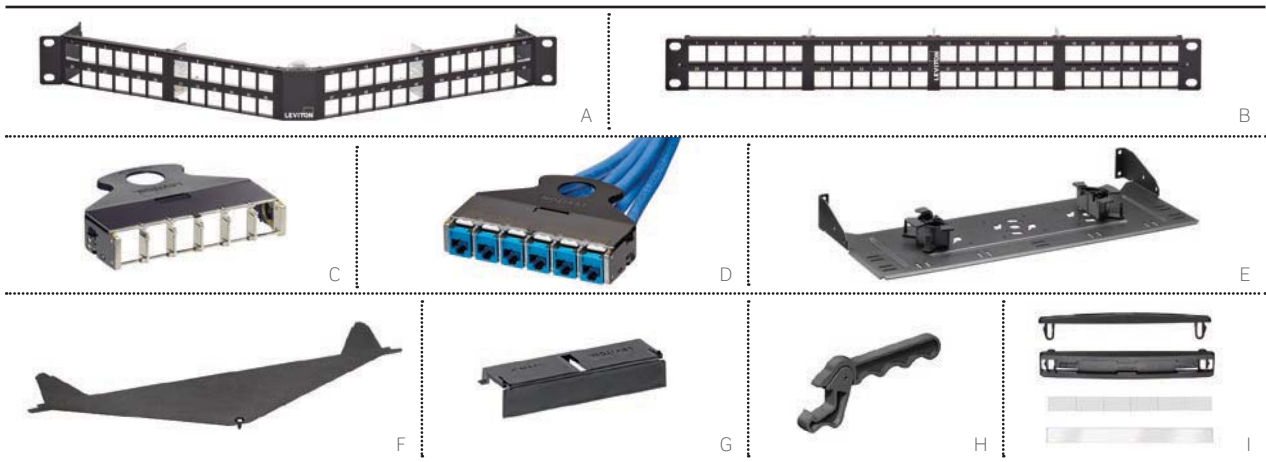
DESCRIPTION	CAT 6	CAT 5E	EMPTY
1RU 24-Port Angled 110-Style Patch Panel	69587-U24	5G597-U24	—
1RU 24-Port Angled 110-Style Patch Panel, magnifying lens holder	69587-L24	5G597-L24	—
2RU 48-Port Angled 110-Style Patch Panel	<b>[A]</b> 69587-U48	5G597-U48	—
2RU 48-Port Angled 110-Style Patch Panel, magnifying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

# PATCH PANELS | e2XHD Snap-In Cassette Patching System > Unshielded & Shielded



Patch Panels  
COPPER

The e2XHD Snap-In Cassette Patching System includes 1RU panels, copper and fibre 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 fibre and copper snap-in cassettes
- Cassettes are available empty or on pre-terminated
- 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, minimising dust or debris

### Compatibility References:

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

## e2XHD UNSHIELDED & SHIELDED SNAP-IN CASSETTE PATCHING SYSTEM

DESCRIPTION	PART NO.
<b>[A]</b> 1RU 48-Port e2XHD Angled High-Density Panel, supports unshielded, shielded, and fibre media	E2X1A-E48
<b>[B]</b> 1RU 48-Port e2XHD Flat High-Density Panel, supports unshielded, shielded, and fibre media	E2X1F-E48
<b>[C]</b> 6-port e2XHD Cassette, empty*	E2XHD-BRK
<b>[D]</b> e2XHD Copper Cassette, terminated to trunk cable (see page A36)      Configure online at <a href="http://Brand-Rex.com/products/configurator">Brand-Rex.com/products/configurator</a>	
e2XHD Rear Cable Manager for Angled Panel, with fibre storage rings (four ¼" rings)	E2XHD-CMB
<b>[E]</b> e2XHD Rear Cable Manager for Flat Panel, with fibre storage rings (four ¼" rings)	E2X1F-CMB
<b>[F]</b> e2XHD Angled Panel Cover	E2XHD-COV
<b>[G]</b> e2XHD Cassette Blank	E2XHD-BLK
<b>[H]</b> QuickPort® Jack Removal Tool	E2XHD-JRT
<b>[I]</b> e2XHD Label Kit (4 pack)*	E2XHD-LBL

\* = QuickPort jacks sold separately (see pages A8-A9 and A13).

+ = Label kit occupies one row of panel.

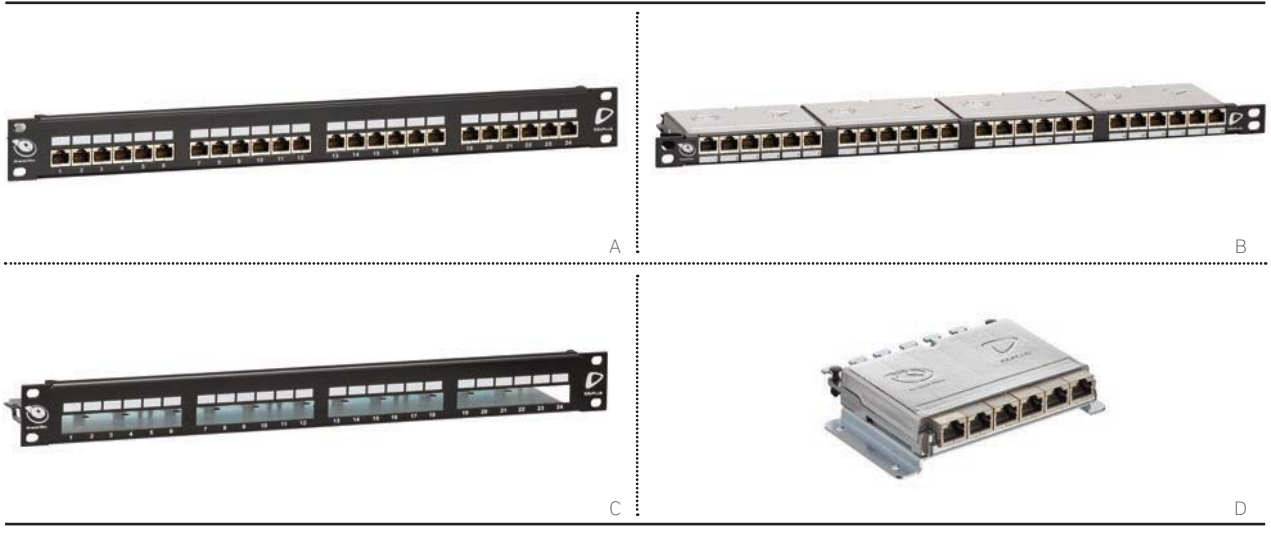


e2XHD Snap-In Cassette Patching System for fibre applications on pages B25-B26.

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

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

COPPER Patch Panels



## 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 labelling and writable surface above each port
- Standard LSA IDC termination

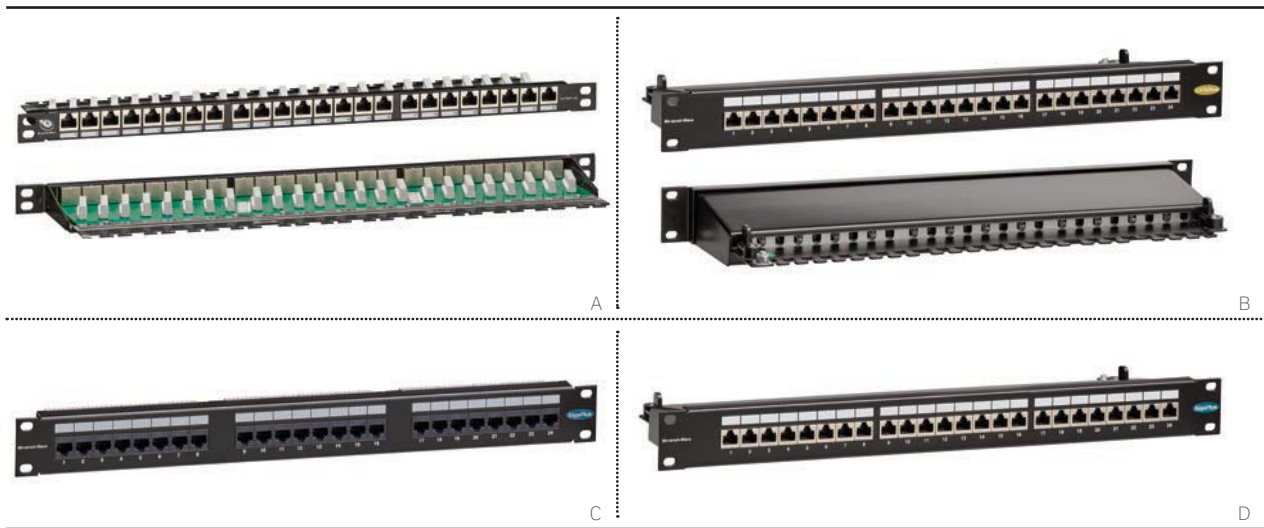
## 10GPLUS CAT 6A CONSOLIDATION POINT MODULES

- 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 colours available. Contact customer service for details

# PATCH PANELS | Flat Cat6Plus Cat 6 & GigaPlus Cat 5e Patch Panels



Patch Panels

COPPER

## 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 labelling 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
<b>[A]</b> Cat6Plus 0.5RU 24-Port LSA-Style, unshielded, black	C6CPNLU240K2H

### CAT6PLUS CAT 6 PATCH PANELS, SHIELDED

Cat6Plus 1RU 24-Port LSA-Style, shielded, grey	C6CPNLF240K8M
<b>[B]</b> Cat6Plus 1RU 24-Port LSA-Style, shielded, black	C6CPNLF240K2M
Cat6Plus 0.5RU 24-Port LSA-Style, shielded, grey	C6CPNLF240K8H
Cat6Plus 0.5RU 24-Port LSA-Style, shielded, black	C6CPNLF240K2H

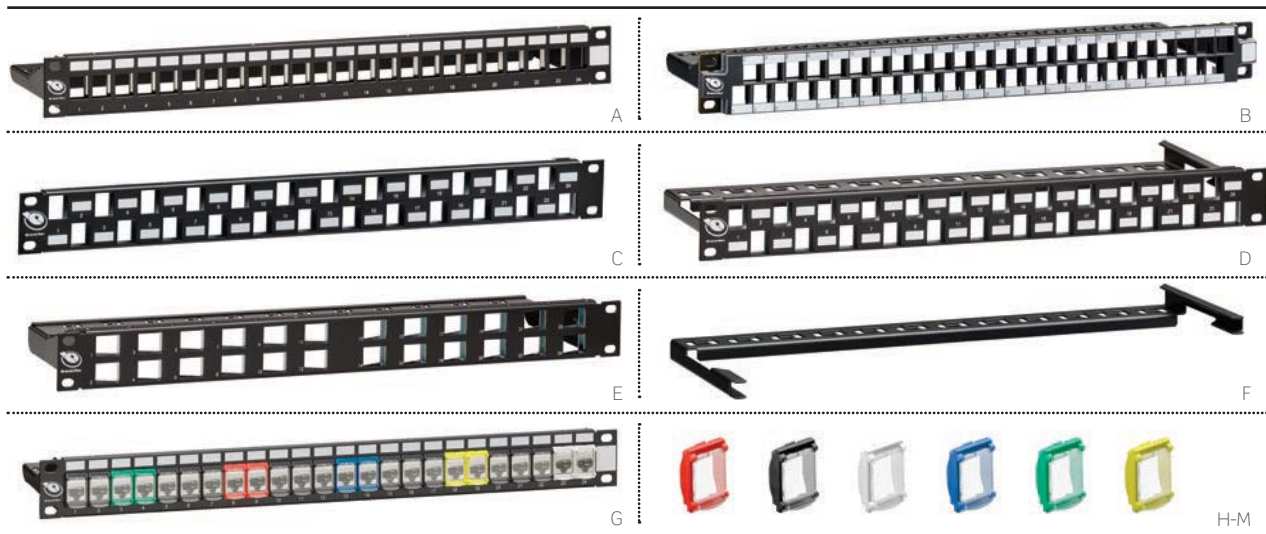
### GIGAPLUS CAT 5E PATCH PANELS, UNSHIELDED

<b>[C]</b> GigaPlus 1RU 24-Port, Universal IDC, unshielded, black	GPCPNLU24002
<b>[D]</b> GigaPlus 1RU 24-Port, 110-style, unshielded, with cable management, black	GPCPNLU24012M

### 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



## SNAP-IN-JACK PATCH PANELS

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

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

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

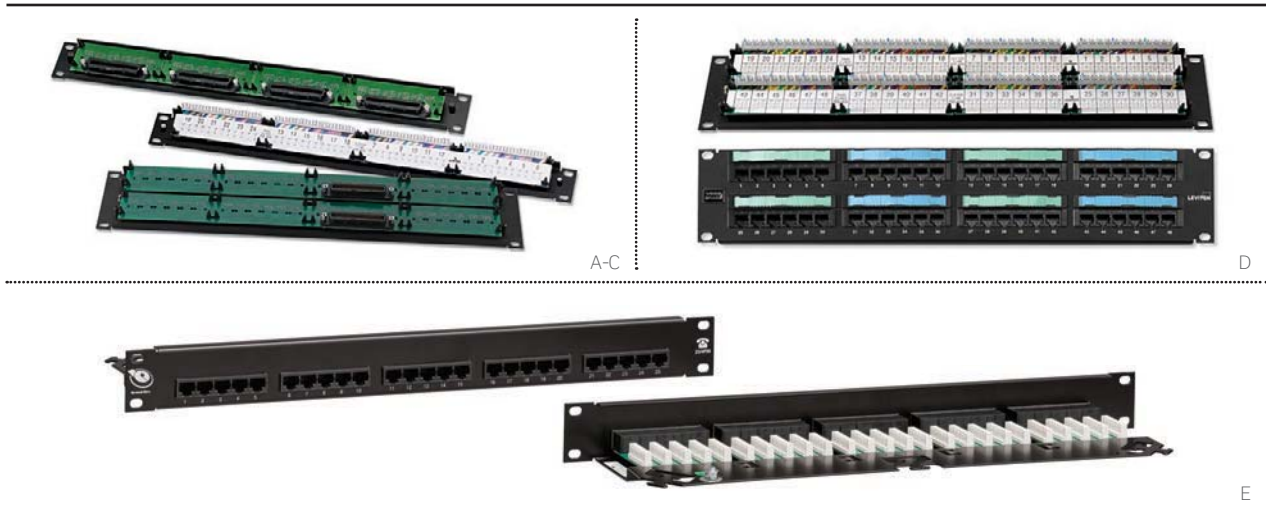
### Compatibility References:

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

SNAP-IN-JACK PATCH PANELS		
DESCRIPTION	GREY	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	MMCPNLX24SIJ8	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
[F] Modular Cable Manager (for use with MMCPNLX24SIJ*)	MMCACCCMSIJ8	MMCACCCMSIJ2

Note: Panels supplied empty, Snap-in Jacks must be purchased separately

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



## 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	<b>[A]</b> 49013-P24	<b>[D]</b> 49013-P48
8P4C Patch Panel, two 25-pair jacks per 24 ports, 4-pin wiring	49014-J24	<b>[B]</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	<b>[C]</b> 49018-J24	49018-J48

### VOICE-GRADE LSA-STYLE PATCH PANELS

DESCRIPTION	25-PORT	50-PORT
Voice Panel 4-Pin Wiring, 1RU, unshielded, black	<b>[E]</b> C5CPNLU254PK2M	C5CPNLU504PK2M
Voice Panel 4-Pin Wiring, 1RU, unshielded, grey	C5CPNLU254PK8M	C5CPNLU504PK8M
Voice Panel 6-Pin Wiring, 1RU, unshielded, black	C5CPNLU256PK2M	C5CPNLU506PK2M

# CROSS CONNECT | 110-Style Wiring Products

Cross Connect

COPPER



A



B, C

## CAT 6A 110-STYLE WIRING BLOCK

- Supports high-frequency data signals up to 500 MHz
- Can be used as a consolidation point (CP) in a TIA-defined 90-metre permanent link
- Designed to mitigate alien crosstalk (AXT)
- Independently tested and verified by Intertek (ETL) to meet all TIA component, permanent link, and channel requirements
- Available in 64-pair wall-mount block

## CAT 6 CROSS CONNECT TOWER UNITS

- Cross-connect and cable management with 288-pair capacity, with ability to increase using extension frames
- Supplied with wiring bases and jack blocks for 288 pairs

### CAT 6A 110-STYLE WALL-MOUNT WIRING BLOCK KITS

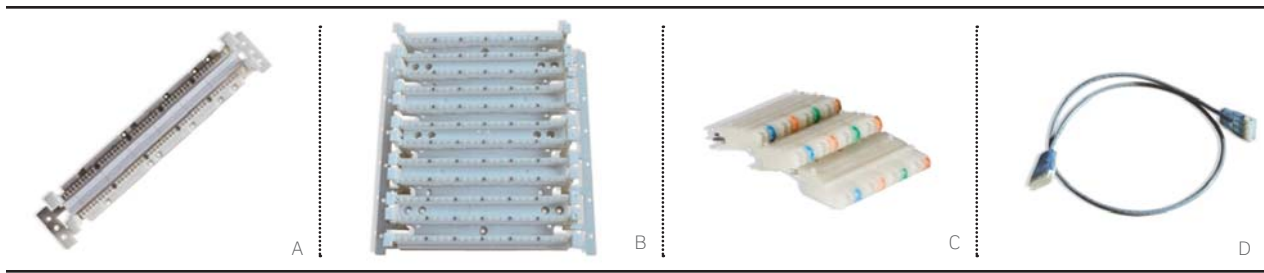
DESCRIPTION	64-PAIR
<b>[A]</b> Cat 6A 110-Style Wiring Block, wall mount, with legs and C-4 clips*	41D6A-1F4

\* = Cat 6A 110-Style wiring block stand-off legs are non-removable. Legs not sold separately for Cat 6A/6 wiring blocks.

### CAT 6 CROSS CONNECT TOWER UNITS

DESCRIPTION	PART NO.
<b>[B]</b> Cat 6 110 Tower, 288-pair mounting frame	C6C110TWR288P
<b>[C]</b> Cat 6 110 Tower, 288-pair extension mounting frame	C6C110TWR288PE





## CAT 6 CROSS-CONNECT 110-STYLE WIRING PRODUCTS

- Wiring bases in 48-, 96-, or 288-pair versions with or without legs
- Rack-mounted versions available in 96, 192, or 288 pairs
- Colour coded 4-pair jack blocks supplied in bags of 10
- Patch cords available in 110 to 110 and 110 to RJ45

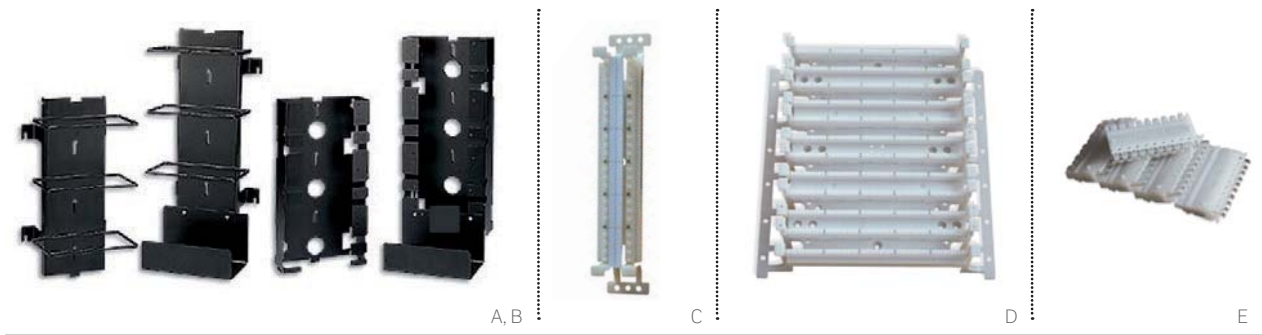
### CAT 6 CROSS-CONNECT 110-STYLE WIRING PRODUCTS

DESCRIPTION	PART NO.
<b>[A]</b> Cat 6 110 Wiring Base 48-Pair with Legs	C6C110WB48PL
Cat 6 110 Wiring Base 48-Pair without Legs	C6C110WB48P
Cat 6 110 Wiring Base 48-Pair with Legs, kit (includes base and 12 off 4-pair jack blocks)	C6C110WB48PLK
Cat 6 110 Wiring Base 48-Pair without Legs, kit (includes base and 12 off 4-pair jack blocks)	C6C110WB48PK
Cat 6 110 Wiring Base 96-Pair with Legs	C6C110WB96PL
Cat 6 110 Wiring Base 96-Pair without Legs	C6C110WB96P
Cat 6 110 Wiring Base 96-Pair with Legs, kit (includes 2 off 48-pair base and 24 off 4-pair jack blocks)	C6C110WB96PLK
Cat 6 110 Wiring Base 96-Pair without Legs, kit (includes 2 off 48-pair base and 24 off 4-pair jack blocks)	C6C110WB96PK
<b>[B]</b> Cat 6 110 Wiring Base 288-Pair with Legs	C6C110WB288PL
Cat 6 110 Wiring Base 288-Pair without Legs	C6C110WB288P
Cat 6 110 Wiring Base 288-Pair with Legs, kit	C6C110WB288PLK
Cat 6 110 Wiring Base 288-Pair without Legs, kit	C6C110WB288PK
Cat 6 110 Wiring Base 96-Pair Rack-Mounted, kit	C6C110WB96PRK
Cat 6 110 Wiring Base 192-Pair Rack-Mounted, kit	C6C110WB192PRK
Cat 6 110 Wiring Base 288-Pair Rack-Mounted, kit	C6C110WB288PRK
Vertical Cable Organiser for 110 Tower	CMV110TWR
Vertical Cable Organiser Extension for 110 Tower	CMV110TWRE
<b>[C]</b> Cat 6 110 Jack Block	C6C110CB4P

### CAT 6 CROSS CONNECT PATCH CORDS

DESCRIPTION	110 - 110	110 - RJ45
<b>[D]</b> Cat 6 Cross Connect Patch Cord, 1 m, 4 pairs	C6C110110PC010	C6C110RJ4PC010
Cat 6 Cross Connect Patch Cord, 2 m, 4 pairs	C6C110110PC020	C6C110RJ4PC020
Cat 6 Cross Connect Patch Cord, 3 m, 4 pairs	C6C110110PC030	C6C110RJ4PC030
Cat 6 Cross Connect Patch Cord, 4 m, 4 pairs	C6C110110PC040	C6C110RJ4PC040
Cat 6 Cross Connect Patch Cord, 5 m, 4 pairs	C6C110110PC050	C6C110RJ4PC050

# CROSS CONNECT | 110-Style Wiring Products



## CAT 5E CROSS-CONNECT TOWER UNITS

- Cross-connect and cable management with 300-pair capacity, with ability to increase using extension frames
- Supplied with wiring bases and jack blocks for 300 pairs

## CAT 5E CROSS-CONNECT WIRING PRODUCTS

- Wiring bases in 50-, 100-, or 300-pair versions with or without legs
- Rack-mounted versions available in 100, 200, or 300 pairs
- Colour coded 4- or 5-pair jack blocks supplied in bags of 10
- Patch cords available in 110 to 110 and 110 to RJ45

CAT 5E CROSS-CONNECT TOWER UNITS	
DESCRIPTION	PART NO.
[A] Cat 5e 110 Tower, 300-pair mounting frame	GPC110TWR300P
[B] Cat 5e 110 Tower, 300-pair extension mounting frame	GPC110TWR300PE
CAT 5E CROSS-CONNECT WIRING PRODUCTS	
DESCRIPTION	PART NO.
[C] Cat 5e 110 Wiring Base 50-Pair with Legs	GPC110WB50PL
Cat 5e 110 Wiring Base 50-Pair without Legs	GPC110WB50P
Cat 5e 110 Wiring Base 50-Pair with Legs, kit (includes base and 12 off 4-pair jack blocks)	GPC110WB50PLK
Cat 5e 110 Wiring Base 50-Pair without Legs, kit (includes base and 12 off 4-pair jack blocks)	GPC110WB50PK
Cat 5e 110 Wiring Base 100-Pair with Legs	GPC110WB100PL
Cat 5e 110 Wiring Base 100-Pair without Legs	GPC110WB100P
Cat 5e 110 Wiring Base 100-Pair with Legs, kit (includes 2 off 50-pair base, 25 off 4-pair, and 5 off 5-pair jack blocks)	GPC110WB100PLK
Cat 5e 110 Wiring Base 100-Pair without Legs, Kit	GPC110WB100PK
[D] Cat 5e 110 Wiring Base 300-Pair with Legs	GPC110WB300PL
Cat 5e 110 Wiring Base 300-Pair without Legs	GPC110WB300P
Cat 5e 110 Wiring Base 300-Pair without Legs, kit	GPC110WB300PK
Cat 5e 110 Wiring Base 100-Pair Rack-Mounted, kit	GPC110WB100PRK
Cat 5e 110 Wiring Base 200-Pair Rack-Mounted, kit	GPC110WB200PRK
Cat 5e 110 Wiring Base 300-Pair Rack-Mounted, kit	GPC110WB300PRK
[E] Cat 5e 110 Jack Block - 4 Pairs	GPC110CB4P
Cat 5e 110 Jack Block - 5 Pairs	GPC110CB5P



A



B,C

## CAT 5E CROSS-CONNECT PATCH CORDS

DESCRIPTION	110 – 110	110 – RJ45
<b>[A]</b> Cat 5e Cross-Connect Patch Cord, 1 m, 1 pair	GPC110110PC010-1	GPC110RJ4PC010-1
Cat 5e Cross-Connect Patch Cord, 2 m, 1 pair	GPC110110PC020-1	GPC110RJ4PC020-1
Cat 5e Cross-Connect Patch Cord, 3 m, 1 pair	GPC110110PC030-1	GPC110RJ4PC030-1
Cat 5e Cross-Connect Patch Cord, 4 m, 1 pair	GPC110110PC040-1	GPC110RJ4PC040-1
Cat 5e Cross-Connect Patch Cord, 5 m, 1 pair	GPC110110PC050-1	GPC110RJ4PC050-1
Cat 5e Cross-Connect Patch Cord, 1 m, 2 pairs	GPC110110PC010-2	GPC110RJ4PC010-2
Cat 5e Cross-Connect Patch Cord, 2 m, 2 pairs	GPC110110PC020-2	GPC110RJ4PC020-2
Cat 5e Cross-Connect Patch Cord, 3 m, 2 pairs	GPC110110PC030-2	GPC110RJ4PC030-2
Cat 5e Cross-Connect Patch Cord, 4 m, 2 pairs	GPC110110PC040-2	GPC110RJ4PC040-2
Cat 5e Cross-Connect Patch Cord, 5 m, 2 pairs	GPC110110PC050-2	GPC110RJ4PC050-2
Cat 5e Cross-Connect Patch Cord, 1 m, 4 pairs	GPC110110PC010	GPC110RJ4PC010
Cat 5e Cross-Connect Patch Cord, 2 m, 4 pairs	GPC110110PC020	GPC110RJ4PC020
Cat 5e Cross-Connect Patch Cord, 3 m, 4 pairs	GPC110110PC030	GPC110RJ4PC030
Cat 5e Cross-Connect Patch Cord, 4 m, 4 pairs	GPC110110PC040	GPC110RJ4PC040
Cat 5e Cross-Connect Patch Cord, 5 m, 4 pairs	GPC110110PC050	GPC110RJ4PC050

## CABLE ORGANISERS & TERMINATION TOOLS













DESCRIPTION	PART NO.
<b>[B]</b> Horizontal Cable Organiser with Legs	CMH110L
<b>[C]</b> Horizontal Cable Organiser without Legs	CMH110
Horizontal Cable Organiser Rack Mounted	CMH110R
Vertical Cable Organiser for 110 Tower	CMV110TWR
Vertical Cable Organiser Extension for 110 Tower	CMV110TWRE

# PATCH PANELS | QuickPort® Jack Compatibility

## JACK PANEL COMPATIBILITY

Atlas-X1 and eXtreme QuickPort jacks are compatible with all QuickPort panels, and most Snap-in-Jack panels. For jack and faceplate compatibility, see pages C9-C10.

- ✓ = Compatible
- ✗ = 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	✗	✗	✗	✗	✗
	 24-Port In-Line Snap-In-Jack Patch Panel MMCPNLX24SIJ2MIL IPSPNLX24SIJ2M - SmartPatch Panel	✓	✓	✓	✓	✓
	 24-Port Coloured Insert Snap-In-Jack Patch Panel MMCPNLX24SIJ2DCI	✓	✓	✓	✓	✓
	 24- & 48-Port Staggered Snap-In-Jack Patch Panel MMCPNLX24SIJx, MMCPNLX48SIJx, MMCPNLX24SIJxM-B	✓	✓	✓	✓	✓

JACKS			
SHIELDED		UNSHIELDED	
 Tool-Free 10GPlus, Cat6Plus	 LSA/110 10GPlus, Cat6Plus, GigaPlus	 Tool-Free 10GPlus, Cat6Plus, GigaPlus	 LSA/110 10GPlus, Cat6Plus, GigaPlus
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 **A32**

Pre-Terminated  
Trunks **A35**

## 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

For Cat 8 jacks, see page A8.

For Cat 8 cable, see page A39.

#### WATCH: ATLAS-X1 CAT 8 VIDEO



[Leviton.com/ns/videos](http://Leviton.com/ns/videos)  
"Atlas-X1 Cat 8 System"

#### ATLAS-X1 CAT 8 SHIELDED PATCH CORDS, CMR AND LSHF/LSZH

DESCRIPTION	PART NO.
Cat 8 S/FTP, 0.5 m, grey	81Z10-SD5
Cat 8 S/FTP, 1 m, grey	81Z10-S01
Cat 8 S/FTP, 2 m, grey	81Z10-S02
Cat 8 S/FTP, 3 m, grey	81Z10-S03
Cat 8 S/FTP, 4 m, grey	81Z10-S04
Cat 8 S/FTP, 5 m, grey	81Z10-S05

All Leviton Cat 8 patch cords are RoHS Compliant.  
Patch cord jacket colour below:



Grey

#### SPOTLIGHT

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



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

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

# PATCH CORDS | Cat 6A Patch Cords



## CAT 6A S/FTP STRANDED PATCH CORDS

- Factory-made and tested 26-gauge patch cords offer guaranteed quality and optimum performance
- Low-profile boots for higher density blade connectivity
- Shielded S/FTP cable type is standard for stranded cords
- LSHF/LSZH materials as standard
- Accept clip-on coloured boot markers for network identifications (see options below)
- Unique wire management design to optimise performance
- Backwards compatible to Cat 6 and Cat 5e

## 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
- U/FTP cable type for solid cords
- LSHF/LSZH materials as standard
- Accept clip-on coloured boot markers for network identifications (see options below)
- Unique design of wire management throughout the jack length ensures consistent performance
- Backwards compatible to Cat 6 and Cat 5e
- Solid conductor Cat 6A patch cords are made with EuroClass Eca cable as standard

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

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

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

DESCRIPTION	PART NO.
Cat 6A U/FTP Solid, 10 m, violet	AC6PCG100-788HBS
Cat 6A U/FTP Solid, 20 m, violet	AC6PCG200-788HBS
Cat 6A U/FTP Solid, 30 m, violet	AC6PCG300-788HBS
Cat 6A U/FTP Solid, 40 m, violet	AC6PCG400-788HBS
Cat 6A U/FTP Solid, 50 m, violet	AC6PCG500-788HBS
Cat 6A U/FTP Solid, 60 m, violet	AC6PCG600-788HBS

Also available in white, violet, and black. Non-standard colour and length options are available to order on request.  
 Note: Boots are only available in Slate Grey. If boot colouring is required, a Retrofit coloured boot clip can be purchased separately.



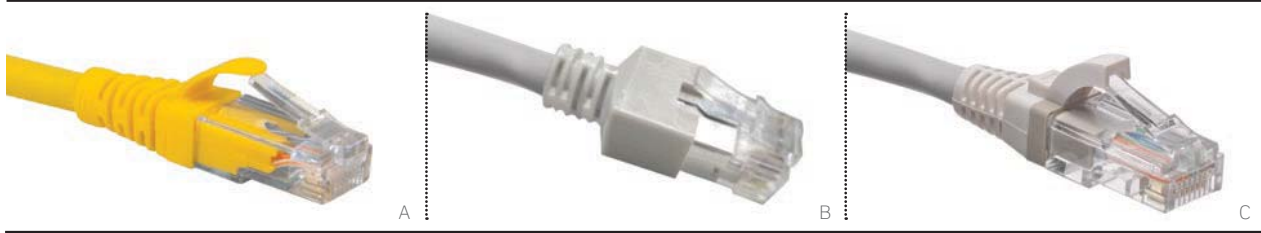
### [C] RETROFIT PATCH CORD CLIPS

DESCRIPTION	YELLOW	RED	BLUE	GREEN
Retrofit Patch Cord Clip, bag of 100	MMCPCHB006	MMCPCHB001	MMCPCHB004	MMCPCHB005





# PATCH CORDS | Cat 6 & Cat 5e Patch Cords



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

- Factory-made and tested patch cords offer guaranteed quality and performance
- Low profile boots for higher density connectivity
- Available in shielded S/FTP and unshielded
- LSHF/LSZH materials as standard

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

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

### CAT 6 S/FTP PATCH CORDS\*

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

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

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

\* On the S/FTP Cords, the boots are only available in Slate Grey. If boot colouring is required, a retrofit coloured clip can be purchased separately. See page A33 for Retrofit Patch Cord Clip part numbers. (ref.-MMCPCHB00z Where z = 1= Red, 4 = Blue 5 = Green 6 =Yellow)

### CAT6PLUS U/UTP SOLID PATCH CORDS

DESCRIPTION	PART NO.
Cat6Plus U/UTP Solid Patch Cord, violet xx= length (10-90 metres)	C6CPCUxx0-788HS

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

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

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

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

# PRE-TERMINATED TRUNKS | Make-to-Order

COPPER  
Pre-Terminated Trunks



Unshielded jack to plug



### RECOMMENDED APPLICATIONS:

- Data Centre Cabinets
- Telecommunications Racks
- Quick Network Deployment

## PRE-TERMINATED COPPER TRUNKS

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

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

\* = Additional cable and jack colours are available, but may require additional lead-time. Contact Customer Service at +44 (0) 1592 772124 for more details.  
Cat 6 available with Atlas-X1 or eXtreme® jacks. All trunks utilise solid conductor cable.

For assistance customising your trunks, please visit [Brand-Rex.com/products/configurator](http://Brand-Rex.com/products/configurator) or call +44 (0) 1592 772124.

## SPOTLIGHT | New Data Centre Factory Gives Customers More Options



In late 2017, Leviton opened a premier data centre factory at its European headquarters in Glenrothes, Scotland. This new capability provides data centre managers throughout Europe, the Middle East, and Asia with custom-configurable make-to-order network infrastructure products, including EuroClass rated pre-terminated fibre 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 fibre count they need. The facility produces HDX, e2XHD, and HI-DEX cassettes as well as fibre array cords, fibre trunks, and copper trunks.

You can learn more at [Brand-Rex.com/products/configurator](http://Brand-Rex.com/products/configurator).

**E2XHD COPPER TRUNKS**

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



Pre-Terminated Trunks

COPPER

Make-to-Order!		e2XHD COPPER TRUNK ASSEMBLY OPTIONS			
CABLE TYPE	# OF CABLES	CABLE LENGTH	CABLE COLOUR*	INDIVIDUAL JACK COLOUR & CASSETTE JACK COLOUR	TERMINATION OPTIONS
Cat 6 U/UTP Eca	6	3 - 90 metres	Violet	Black, Blue, Red, Green, White and Yellow	Jack, Plug, Open, Cassette
Cat 6 U/UTP Dca			Blue		
Cat 6A U/FTP Zone Eca			Violet		
Cat 6A U/FTP Zone Cca			Green		
Cat 6A U/FTP Cca			Green		
Cat 6A S/FTP Cca			Green		
Cat 6A S/FTP B2ca			Orange		

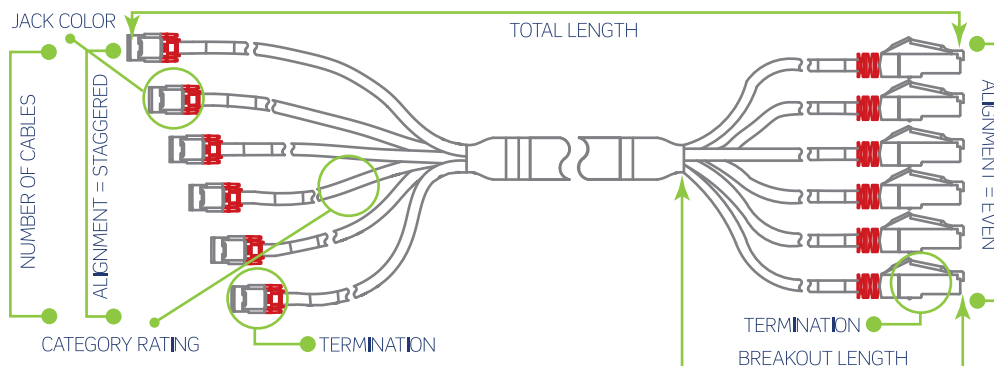
\* = Additional cable and jack colours are available, but may require additional lead-time. Contact Customer Service at +44 (0) 1592 772124 for more details. All trunks utilise solid conductor cable.

For assistance customising your trunks, please visit [Brand-Rex.com/products/configurator](http://Brand-Rex.com/products/configurator) or call +44 (0) 1592 772124.

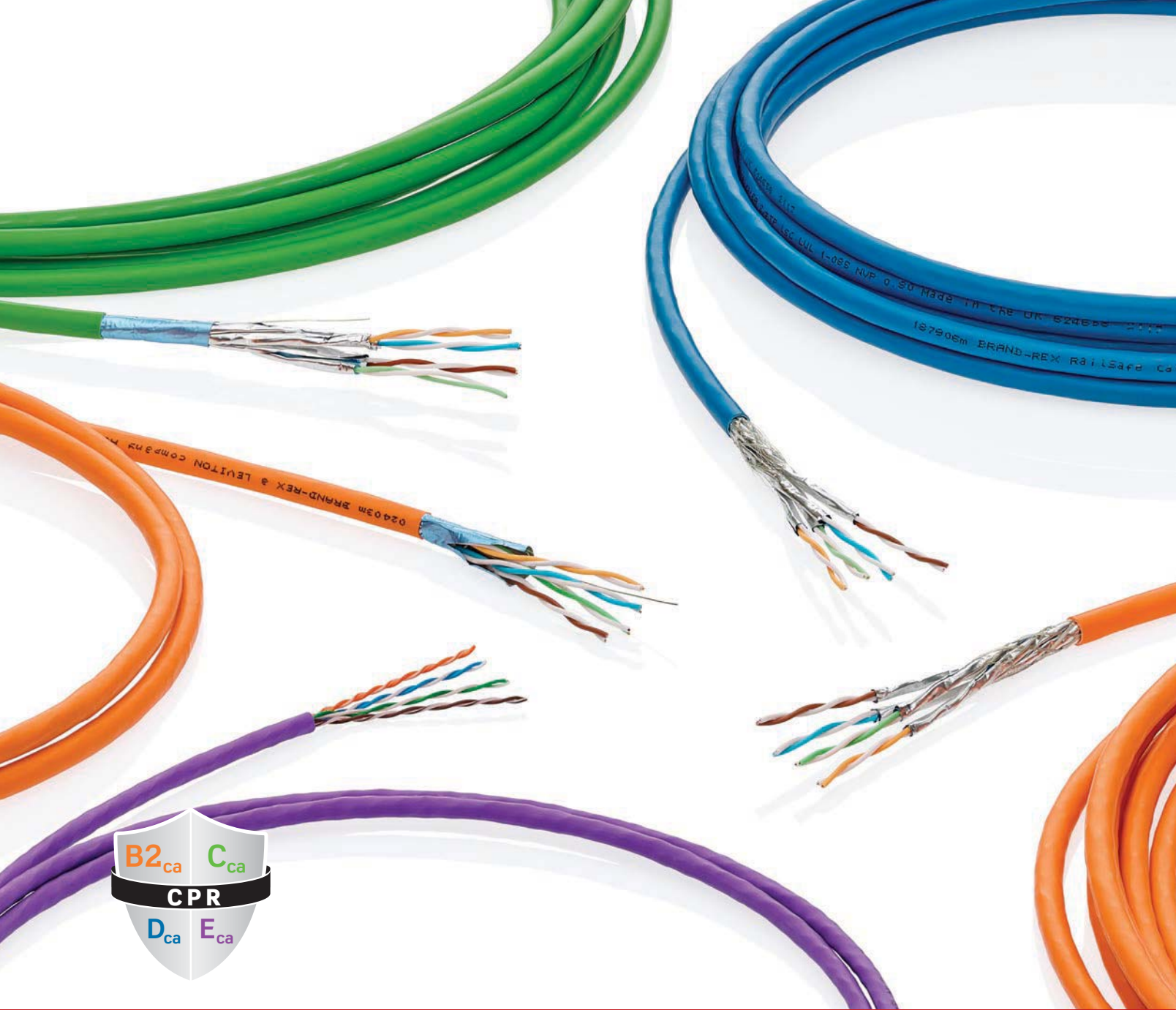
**BREAKOUT & ALIGNMENT OPTIONS**

Choose from five different alignments, or call +44 (0) 1592 772124 to discuss options. e2XHD Copper Trunks will always have an even alignment on the cassette end(s). Different minimum breakout lengths apply.

	MINIMUM BREAKOUT LENGTHS	ALIGNMENT OPTIONS
Copper Trunks	<ul style="list-style-type: none"> <li>• 12 cables = 24" minimum</li> <li>• 6 cables = 18" minimum</li> </ul>	<ul style="list-style-type: none"> <li>• Even</li> <li>• Stagger cable 1 shortest</li> <li>• Stagger cable 1 longest</li> <li>• Stagger cable 1 &amp; 2 shortest (plug)</li> <li>• Stagger cable 1 &amp; 2 longest (plug)</li> </ul>
e2XHD Copper Trunks	<ul style="list-style-type: none"> <li>• Cat 6 = 6" minimum</li> <li>• Cat 6A = 24" minimum</li> </ul>	<ul style="list-style-type: none"> <li>• Even</li> </ul>



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## FEATURED PRODUCTS

Cat 8 Cables **A39**

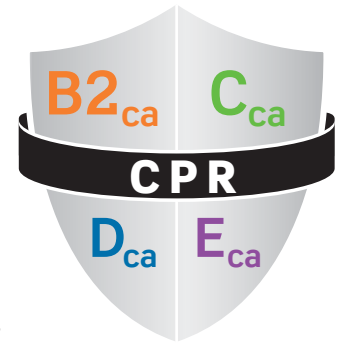
Zone Cables **A40**

# 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 centre networks to flexible and reliable cable for Gigabit enterprise applications, we have the ideal solution for all types of demanding networks.

## 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 fibre 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
<b>B2ca</b>	Very High Fire Protection Self Extinguishing	Hospitals, airports, and fire exits in public buildings (high density of people or people with limited mobility)
<b>Cca</b>	High Fire Protection Self Extinguishing	Public buildings, hotels, schools, or office buildings (medium density of people)
<b>Dca</b>	Moderate Fire Protection Limited Emissions	Used as a minimum cable requirement for general installations in some regions
<b>Eca</b>	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 colour coded. The copper cable jackets are coloured as shown at left to clearly identify the level of EuroClass cable.

The colour 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 [Brand-Rex.com/CPR](http://Brand-Rex.com/CPR).

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# CABLE | Cat 8 Shielded, Cat 7A Shielded & Unshielded Cables

Cable

COPPER



## ATLAS-X1™ CAT 8 SHIELDED CABLE

- 22-gauge construction
- Mylar® tape and aluminium shield provide a high level of security
- Available in IEC 60332-1 (CMR and LSHF/LSZH) flame rating
- 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), PoE+, and emerging 4-pair PoE IEEE 802.3bt (Types 3 and 4) standard

### 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
- Cat 7A cable compliant with ISO/IEC 61156-5 and EN 50288-9-1
- Available in IEC 60332-1-2 and 60332-3-24 flame ratings
- 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) and PoE+ applications



## CAT 7 SHIELDED CABLE

- Supports 10 Gigabit Ethernet protocol for installation in horizontal and backbone areas
- Cat 7 cable compliant with ISO/IEC 61156-5 and EN 50288-4-1
- Available in IEC 60332-1-2 and 60332-3-24 flame ratings
- 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) and PoE+ applications

### [A] ATLAS-X1 CAT 8 CABLES

DESCRIPTION	LEVITON PART NO.	BRAND-REX 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	125-SF7AZ-5VS	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 colours are available. Please contact your local Leviton representative.

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



## CAT 6A SHIELDED CABLES

- Mylar® tape and aluminium shield provide a high level of security for sensitive networks
- Lower bit errors, resulting in increased network performance
- Independently tested and verified to meet ANSI/TIA Cat 6A and ISO 11801 Class E<sub>A</sub> performance
- Complies with ISO/IEC 11801, IEC 61156-5, EN 50173-1, EN 50288-10-1 and EN 50575:2014 (EuroClass)
- Available in IEC 60332-1-2 and 60332-3-24 flame ratings
- Supports Power over Ethernet (PoE), PoE+, and emerging 4-pair PoE IEEE 802.3bt (Types 3 and 4) standard

### [A] CAT 6A S/FTP CABLES

DESCRIPTION	LEVITON PART NO.	BRAND-REX 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	129-SFTAZ-5VS	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, 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	129-UFP AZ-5VS	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, 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 colours are available. Please contact your local Leviton representative.

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

# CABLE | Cat 6A Unshielded & Cat 6 Shielded Cables



A

## CAT 6A UNSHIELDED CABLES

- Independently tested and verified to meet ANSI/TIA Cat 6A and ISO 11801 Class E<sub>A</sub> performance
- Central Cross Filler for increased internal crosstalk suppression
- Complies with ISO/IEC 11801, IEC 61156-5, EN 50173-1, EN 50288-11-1 and EN 50575:2014 (EuroClass)
- Available in IEC 60332-1-2, 60332-3-24, and 60332-3-22 flame ratings
- Supports Power over Ethernet (PoE) and PoE+ applications

### 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 B2ca	AC6U-B2ca-1000OR1
Cat 6A U/UTP Cable, LSHF/LSZH, EuroClass Cca	AC6-Cca-500GN1
Cat 6A U/UTP Cable, LSHF/LSZH, EuroClass Cca	AC6-Cca-1000GN1

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



B

## CAT 6 SHIELDED CABLES

- Mylar® tape and aluminium shield offers increased signal isolation, preventing contaminant noise from entering system
- Optimal support for Gigabit Ethernet
- Reduces signal emissions for secure transmissions
- Independently tested and verified to exceed ANSI/TIA-568-C.2 Cat 6, IEEE 802.3an 1000BASE-T, and ISO/IEC 11801 Class E standards
- Complies with ISO/IEC 11801, IEC 61156-5, EN 50173-1, EN 50288-5-1 and EN 50575:2014 (EuroClass)
- Available in IEC 60332-1-2 and 60332-3-24 flame ratings
- Supports Power over Ethernet (PoE) and PoE+ applications

### 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 colours 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

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	LEVITON PART NO.	BRAND-REX 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	125-FTP6Z-MVB	C6F/UTP-HF1-Eca-Rlx-305VT
Cat 6 F/UTP Cable, LSHF/LSZH, violet, 500 m reel, EuroClass Eca	129-FTP6Z-5VS	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 colours are available. Please contact your local Leviton representative.

# CABLE | Cat 6 Unshielded Cables



## CAT 6 UNSHIELDED CABLES

- Meets ANSI/TIA-568-C.2 and 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) and PoE+ applications

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

DESCRIPTION	LEVITON PART NO.	BRAND-REX PART NO.
Cat 6 U/UTP Cable, LSHF/LSZH, orange, 305 m Reel in a Box, EuroClass B2ca	—	C6UR-B2ca-RIB-305OR
Cat 6 U/UTP Cable, LSHF/LSZH, green, 305 m Reel in a Box, EuroClass Cca	—	C6UR-Cca-RIB-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	125-UTP6Z-MVB	C6U-HF1-Eca-Rlx-305VT
Cat 6 U/UTP Cable, LSHF/LSZH, violet, 500 m reel, EuroClass Eca	129-UTP6Z-5VS	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 colours are available. Please contact your local Leviton representative.



## CAT 5E SHIELDED CABLES

- Mylar® tape and aluminium shield reduces signal interference problems in areas of high EMI
- Supports 10BASE-T, 100BASE-T, and 1000BASE-T Ethernet
- Independently tested and verified to exceed ANSI/TIA-568-C.2 Cat 5e, 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)
- Available in IEC 60332-1 flame rating
- Supports Power over Ethernet (PoE) and PoE+ applications



## CAT 5E UNSHIELDED CABLES

- Supports 10BASE-T, 100BASE-T, and 1000BASE-T Ethernet
- Independently tested and verified to exceed ANSI/TIA-568-C.2 Cat 5e, 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)
- Available in IEC 60332-1-2 and 60332-3-24 flame ratings
- Supports Power over Ethernet (PoE) and PoE+ applications

### 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 colours are available. Please contact your local Leviton representative.



## FEATURED PRODUCTS

Palm Termination Tool **A46**

Wire-Punchdown / Termination Tool **A46**

# Copper Tools & Labelling

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.



## PALM TERMINATION TOOL

- Overmoulded 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

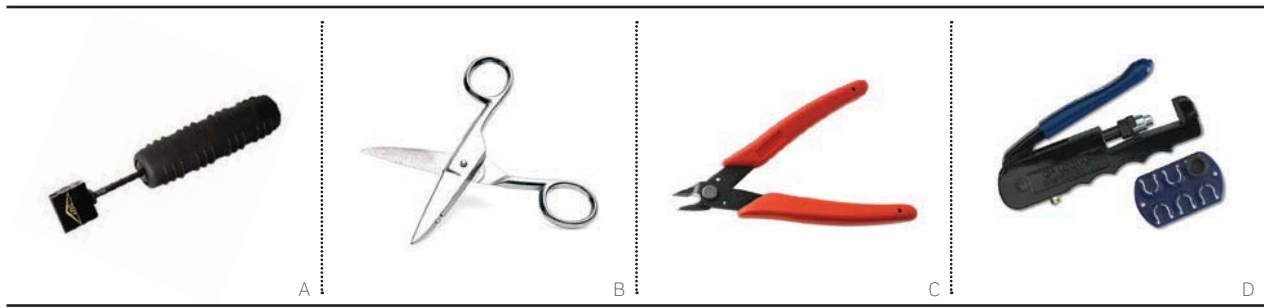
- Punches and trims each wire with just a single push of the handle
- Adjustable impact setting for minimal physical effort
- Spare blade storage in handle chamber
- Compatible with 110 IDC and LSA IDC blades
- Terminate 22-, 24-, or 26-gauge wire

## 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.
<b>[A]</b> Palm Termination Tool, for eXtreme and GigaMax jacks and QuickPort AV connectors	47615-PTT
<b>[B]</b> Jack Gripper, for Snap-In Jacks	MMCJH002
<b>[C]</b> Wire-Punchdown/Termination Tool (blades sold separately)	49553-814
<b>[D]</b> 110 IDC Blade	49553-110
<b>[E]</b> EZ-RJ45 Crimp Tool	40989-ACT



## 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

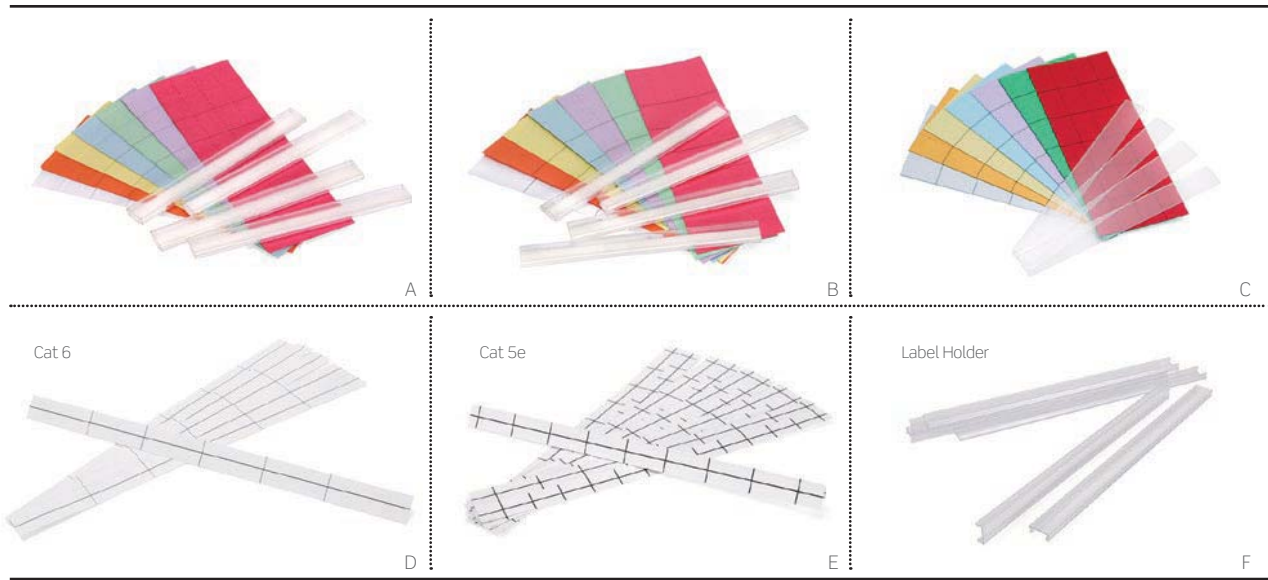
## CUTTING TOOLS

- Klein Tools® Electrician's Scissors are excellent for cutting and stripping copper cable as well as trimming centre 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 Snap-In 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.
<b>[A]</b> 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>[B]</b> Klein Tools Electrician's Scissors	49886-SIS
<b>[C]</b> Klein Tools Flush Cutter (must be ordered in increments of 5)	49886-FCS
MASTER COMPRESSION TOOL	
<b>[D]</b> Master Compression Tool	40989-CPT



## WORK-AREA LABELLING SOLUTIONS

### DESCRIPTION

### PART NO.

Pre-printed Port Labels, black ink, 10 sheets per package

41080-LEB

## PATCH PANEL LABELLING 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 LABELLING 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 A46) 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.



# FIBRE SOLUTIONS





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	<b>B28</b>	Panel Sets & Zero U Accessories		<b>B71</b>	Field Polish Connectors
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	<b>B30</b>	Splice Cassettes		<b>B72</b>	QuickPort® Adaptors
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				<b>B78</b>	Consumable Products & Kits

# FIBRE 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 centre to remote telecom room, from service provider to enterprise office building, Leviton solutions are versatile enough to meet specific customer demands, ensuring migration options for future bandwidth growth and strong return on infrastructure investment.

## SYSTEM FEATURES

Ultra high density (144 fibres per RU)

High density (96 fibres per RU)

Standard density (72 fibres per RU)

Angled panel eliminates need for patch cord cable manager

Enclosures with individual sliding trays minimise impact on surrounding fibres

Enclosure trays lock into place when open, simplifying network maintenance

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

10/40/100G migration simplifies tech upgrades

OM3 / OM4 / OS2 fibre types for backward compatibility

Precision-moulded adaptor plates for durable network connections

Traffic Analysis Points (TAPS) provide monitoring of networks

Copper and fibre capability for network flexibility

Zero rack-unit option

Cassettes with adjustable rear MTPs for improved bend radius



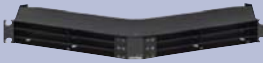



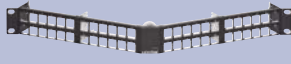





Field-splicing capability for flexibility and MACs




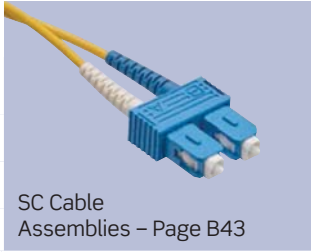






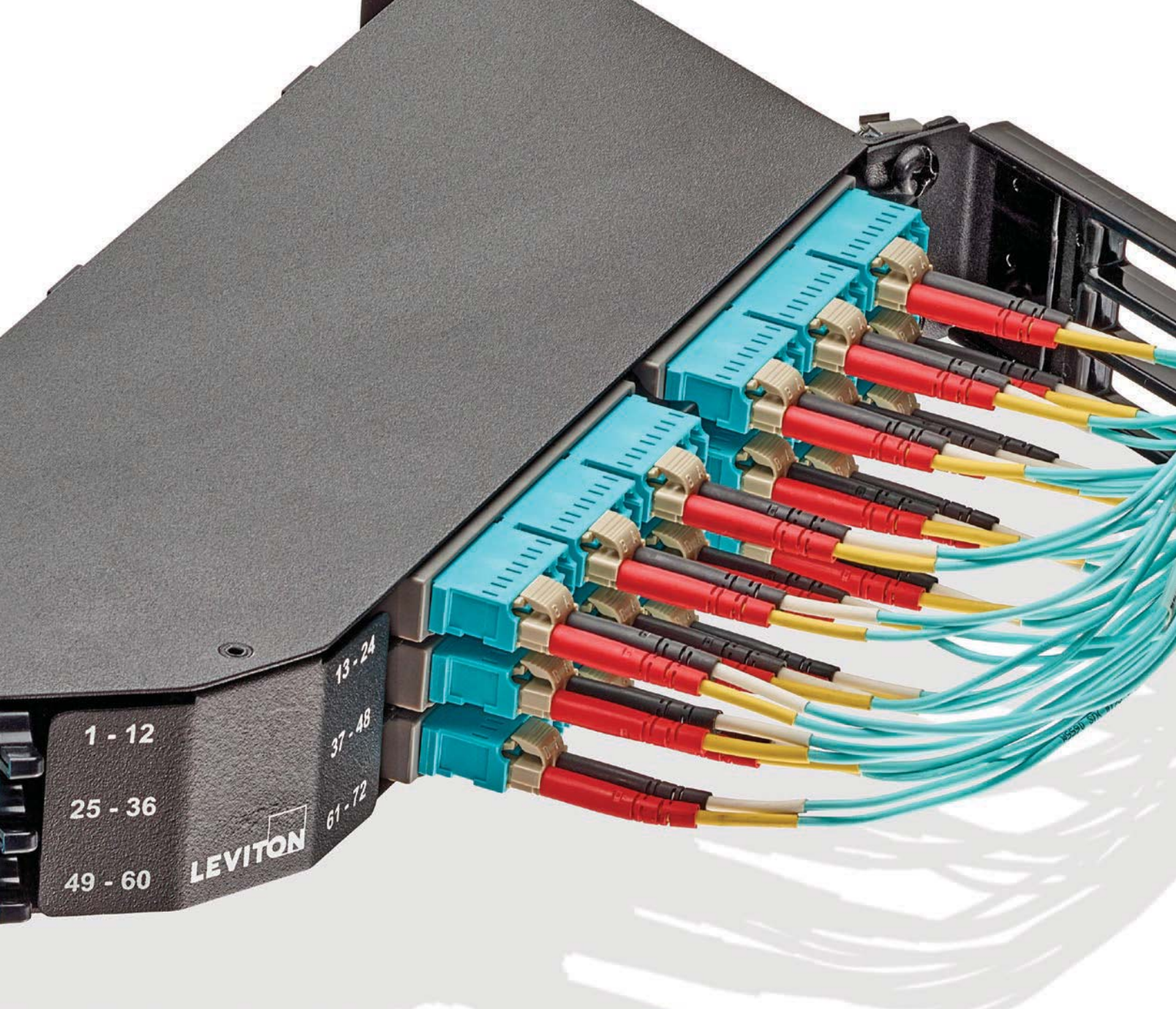
<b>HDX</b> Data Centre	<b>HI-DEX®</b> Data Centre	<b>e2XHD</b> Data Centre	<b>SDX</b> Enterprise	<b>FibrePlus</b> Enterprise
Ultra high density platforms to help meet increasing network demands in data centres		High-density snap-in cassettes allow a mix of fibre and copper patching for large enterprise applications	Versatile solutions in multiple sizes and styles for small data centres and enterprise applications	Comprehensive range of fibre connectivity and patching for small data centres and enterprise applications
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Fibre Systems

FIBRE

	APPLICATIONS	CASSETTES / ADAPTOR PLATES	ENCLOSURES / PANELS
DATA CENTRE	<p><b>Multimode</b></p> <ul style="list-style-type: none"> <li>• High-performance computer clusters</li> <li>• High-bandwidth enterprise</li> <li>• VCSEL-based propagation</li> </ul>	 <p>HDX – Page B11</p>	 <p>UHD Enclosures – Page B10</p>  <p>UHD Panels – Page B10</p>
	<p><b>Single-mode</b></p> <ul style="list-style-type: none"> <li>• Containerised data centres</li> <li>• Entrance facilities and equipment rooms</li> </ul>	 <p>HI-DEX® - Page B29</p>	 <p>HI-DEX – Page B28</p>
		 <p>e2XHD – Page B26</p>	 <p>e2XHD – Page B25</p>
ENTERPRISE	<p><b>Multimode</b></p> <ul style="list-style-type: none"> <li>• Building backbones and zone cabling</li> <li>• Legacy cabling (for OM1 &amp; OM2 fibre type)</li> <li>• Low-bandwidth enterprise, automation, security</li> </ul>	 <p>SDX – Page B19</p>	 <p>2000i SDX – Page B16</p>
	<p><b>Single-mode</b></p> <ul style="list-style-type: none"> <li>• Campus and building backbones</li> <li>• Long distances</li> </ul>		 <p>1000i SDX – Page B16</p>
		 <p>500i SDX – Page B17</p>	 <p>FibrePlus – Page B32</p>

FIELD TERMINATED CONNECTORS	CABLE ASSEMBLIES	FIBRE TYPE & SPECIFICATION CHART							
 <p>FastCAM® LC – Page B70</p>	 <p>MTP® or LC Cable Assemblies Pages B40-B41</p>	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 <sup>1</sup>	N/A	4700 <sup>1</sup>	N/A			
		1G Transmission Distance (m)	1000	600	1040	600			
		10G Transmission Distance (m)	300	300 <sup>2</sup>	550	300 <sup>2</sup>			
		40/100G Transmission Distance (m)	100	N/A	150	N/A			
		<small><sup>1</sup> The effective modal bandwidth is determined based on an overfill launch (OFL) per ANSI/TIA-455-204, except on LOMM Fibre types.  <sup>2</sup> 10GbE transmission at 1300 nm only applies to 10GBASE-LX4 (CWDM).  <sup>3</sup> Reach calculation is based on attenuation of ≤3.0 dB/km at 850 nm and 1.0 dB of connector loss.</small>							
 <p>FastCAM SC – Page B70</p>	 <p>SC Cable Assemblies – Page B43</p>	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				
 <p>Field Polish LC – Page B71</p>	 <p>LC Cable Assemblies – Pages B41-B42</p>	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 <sup>1</sup>	N/A	
		1G Transmission Distance (m)	300	600	750	600	1000	600	
		10G Transmission Distance (m)	36	300 <sub>2</sub>	150	300 <sub>2</sub>	300	300 <sub>2</sub>	
		40/100G Transmission Distance (m)	N/A	N/A	N/A	N/A	100	N/A	
 <p>Field Polish SC – Page B71</p>	 <p>SC Cable Assemblies – Page B43</p>	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				



#### FEATURED PRODUCTS

HDX Systems **B9**

SDX Systems **B15**

## Opt-X Family of Fibre 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 customisable solutions that meet specific network requirements.



### HDX PLATFORM

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



UHDX Enclosures



UHDX Panels



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



HDX Frame Patch Deck



HDX Retrofit Tray  
(for use with SDX Enclosures)



HDX Frame



### SDX PLATFORM

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



2000i SDX Enclosures



1000i SDX Enclosures



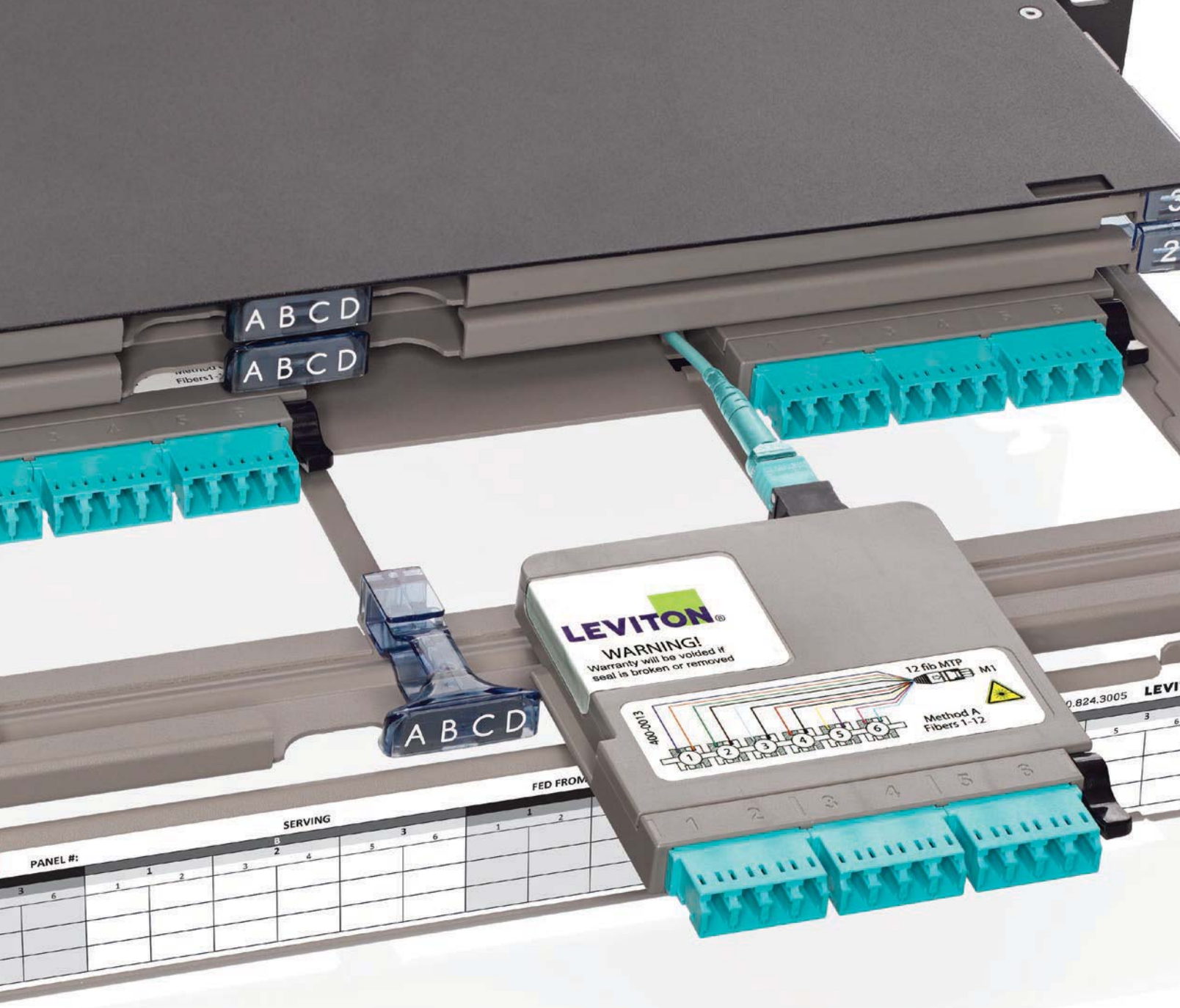
SDX  
Wall-Mount Enclosures



500i SDX Enclosures



500i SDX Panels



## FEATURED PRODUCTS

UHDH System **B10**

HDX Adaptor Plates & Cassettes **B11**

# HDX Systems

Data centres 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 adaptor plates and cassettes in the UHDH rack-mount solutions or the HDX Distribution Frame, you can free up valuable space and reduce your patching footprint.





## UHD X RACK-MOUNT ENCLOSURES

- Accepts Leviton HDX Adaptor Plates and Cassettes
- Up to 144 fibres with LC connectors or 864 fibres with 12-fibre MTP® connectors
- Individual sliding trays allow easy access to fibre 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

## UHD X 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 adaptor plates
- Up to 144 fibres with LC connectors or 864 fibres with 12-fibre MTP connectors

## ACCESSORIES

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



## RECOMMENDED APPLICATIONS:

Data Centres

Entrance Facility

19" Racks and Cabinets

## UHD X RACK-MOUNT ENCLOSURES & PANELS

DESCRIPTION	MAXIMUM CAPACITY					PART NO.
	FIBRES (USING LC)	FIBRES (USING MTP)	ADAPTOR PLATES	OR	MTP CASSETTES	
<b>[A]</b> 1RU UHD X Enclosure, empty	144	864	12		12	5R1UD-S12
<b>[B]</b> 2RU UHD X Enclosure, empty	288	1,728	24		24	5R2UD-S24
<b>[C]</b> 4RU UHD X Enclosure, empty	576	3,456	48		48	5R4UD-S48
<b>[D]</b> 1RU UHD X Angled Panel, empty	144	864	12		12	HDX1A-144
<b>[E]</b> 1RU UHD X Flat Panel, empty	144	864	12		12	HDX1F-144

## ACCESSORIES

DESCRIPTION	PART NO.
Universal Clamp Kit, Single Cable Grommet (mounts to enclosure or rear cable manager)	5RCMP-KIT
Universal Clamp Kit, Multiple Cable Grommet (mounts to enclosure or rear cable manager)	5RCMP-KT2
Universal Clamp Kit, Single and Multiple Cable Grommet (for rack mounting)	5RCMR-KIT
<b>[F]</b> 1RU Brush Guard, bag of 2	5RBSH-1UN
2RU Brush Guard, bag of 2	5RBSH-2UN
<b>[G]</b> 0RU Universal Patch Cord Cable Manager	5RCMT-VFG
1RU Universal Patch Cord Cable Manager (includes 0RU cable manager)	5R1UX-CMT
2RU Universal Patch Cord Cable Manager (includes 0RU cable manager)	5R2UX-CMT
<b>[H]</b> Rear Cable Manager for Angled Panel, with cable management rings	E2XHD-CMB

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## HDX ADAPTOR PLATES

- Connect to field-terminated backbone cabling or pre-terminated trunks
- Easy, one-hand installation and removal
- Offered in OM1/OM2, OM3, and OS2 fibre types
- LC, SC, and MTP styles in 6-, 12-, 24-, or up to 72-fibre configurations are available
- Visible sequential numbering to identify ports (for Tx and Rx)

HDX Adaptor Plates & Cassettes work with HDX Frame Patch Decks, UHDX Enclosures and Panels, and HDX-to-SDX Adaptor Brackets.

## HDX & HDX2 MTP® CASSETTES

- Easy to migrate from 10G to 40/100G when used with Leviton cable assemblies
- 12- or 24-fibre configurations
- Select from LC or MTP connectors for 10G, 40G, or 100G applications
- Pre-terminated fibre eliminates the need for complicated field terminations and splices
- A variety of fibre types are available, including single-mode, multimode, and laser-optimised multimode
- Easy, one-hand installation and removal



## HDX ADAPTOR PLATES

DESCRIPTION	PART NO.
12-fibre HDX Adaptor Plate, OM1 & OM2, Quad LC (beige), zirconia ceramic sleeve	5FUHD-2IL
<b>[A]</b> 12-fibre HDX Adaptor Plate, OM3, Quad LC (aqua), zirconia ceramic sleeve	5FUHD-2QL
12-fibre HDX Adaptor Plate, OM4, Quad LC (heather violet), zirconia ceramic sleeve	5FUHD-2ML
12-fibre HDX Adaptor Plate, OS2, Quad LC (blue), zirconia ceramic sleeve	5FUHD-2LL
12-fibre HDX Adaptor Plate, OS2, Quad LC/APC (green), zirconia ceramic sleeve*	5FUHD-2VL
6-fibre HDX Adaptor Plate, OM1 & OM2, Duplex SC (beige), zirconia ceramic sleeve	5FUHD-6IC
6-fibre HDX Adaptor Plate, OM3, Duplex SC (aqua), zirconia ceramic sleeve	5FUHD-6QC
6-fibre HDX Adaptor Plate, OS2, Duplex SC (blue), zirconia ceramic sleeve	5FUHD-6LC
6-fibre HDX Adaptor Plate, OS2, Duplex SC/APC (green), zirconia ceramic sleeve*	5FUHD-6VC
HDX Adaptor Plate, 3 Duplex MTP Adaptors (black), key up/key up	5FUHD-6MB
<b>[B]</b> HDX Adaptor Plate, 3 Duplex MTP Adaptors (black), key up/key down	5FUHD-6MP
HDX Adaptor Plate, blank (black)	5FUHD-BLK

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

## Make-to-Order! HDX/HDX2 CASSETTE OPTIONS

FIBRE TYPE	FIBRE COUNT	CONNECTOR TYPE (FRONT)	MTP TYPE (REAR)	POLARITY
• OM3	• 12	• LC	• 12-fibre MTP (Male)	• Method A
• OM4	• 24 (2x12)	• SC	• 24-fibre MTP (Male)	• Method B, Core
• OS2		• MTP		• Method B, Edge
				• Method C

For assistance customising your cassettes, please visit [Brand-Rex.com/products/configurator](http://Brand-Rex.com/products/configurator) or call Customer Service at +44 (0) 1592 772124.

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

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## 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 aggregates SFP ports to a QSFP28 or PSM4 (100G), QSFP+ (40G), or CXP (120G) port
- Fit in UHDX enclosures and panels
- Snap in and out of enclosure/panel for rapid installation, moves, adds, and changes
- Ideal for applications using 40G-10G and 120G-10G

## HDX2 TAP CASSETTES

- Traffic analysis points (TAPs) provide real-time monitoring in network or SAN environments for anomalies in security and performance
- Fit in UHDX enclosures and panels
- TAP in HDX cassette footprint eliminates the need for an additional panel
- Supports monitoring of 10G and 40G channels (QSFP)
- Available in two split ratios for network design flexibility, 70:30 and 50:50

### HDX2 & HDX CONVERSION CASSETTES

DESCRIPTION	PART NO.
HDX2, OM3, 3x8 fibre, MTP® to 24-fibre LC, (100G to 25G, 40G to 10G)	32LM1-41C
<b>[A]</b> HDX2, OM4, 3x8 fibre, MTP to 24-fibre LC, (100G to 25G, 40G to 10G), heather violet	42GM1-41C
HDX2, OS2, 3x8 fibre, MTP to 24-fibre LC, (100G to 25G, 40G to 10G)	U2LM1-41C
<b>[B]</b> HDX, OM3, 8 fibre, MTP to 8-fibre LC, (100G to 25G, 40G to 10G)	38LM1-1AE
HDX, OM4, 8 fibre, MTP to 8-fibre LC, (100G to 25G, 40G to 10G), heather violet	48GM1-1AE
HDX, OS2, 8 fibre, MTP to 8-fibre LC, (100G to 25G, 40G to 10G)	U8LM1-1AE

### HDX2 TAP CASSETTES

DESCRIPTION	PART NO.
OM3 24-fibre 2x12F MTP to LC, Method B Edge 50:50, aqua	32LM1-BE5
OM4 24-fibre 2x12F MTP to LC, Method B Edge 50:50, heather violet	42GM1-BE5
<b>[C]</b> OS2 24-fibre 2x12F MTP to LC, Method B Edge 50:50, blue	U2LM1-BE5
OM3 24-fibre 2x12F MTP to LC, Method B Edge 70:30, aqua	32LM1-BE7
OM4 24-fibre 2x12F MTP to LC, Method B Edge 70:30, heather violet	42GM1-BE7
OS2 24-fibre 2x12F MTP to LC, Method B Edge 70:30, blue	U2LM1-BE7

## SPOTLIGHT

### Core & Edge Cassettes



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



## HDX FIBRE OPTIC DISTRIBUTION FRAME

- Integrated cable management and routing solutions for minimum bend radius compliance, better slack storage, and protection
- Holds up to 22 decks, each configured with cassettes, adaptor plates, or splice trays
- 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 600 x 600 mm floor tile
- Seismic rated to GR-63-CORE, Zone 4, UL 2046 Listed

## PATCH DECK

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

## SPLICE DECK

- Modular 89 mm 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 fibres for up to 144 fibres per deck
- Mass ribbon fusion splicing available as custom order

## 24-FIBRE HIGH-DENSITY SPLICE TRAY

- Use with HDX Frame Splice Decks, 2 trays per splice deck tray
- Protect and manage heat-shrink spliced fibres
- Heat-shrink splice sleeves included

## HDX FRAME CAPACITY CHART

CONNECTIVITY	MAX. FIBRE STRANDS
LC	3,168
SC	1,584
12-Fibre MTP®	7,776
24-Fibre MTP	15,552

Chart based on use of 48-fibre trunks



See page B11 for HDX Cassettes and Adaptor Plates.

## HDX FIBRE OPTIC FRAME SYSTEM

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

## 24-FIBRE SPLICE TRAY

<b>[F]</b> 24-fibre Heat-Shrink Style Moulded Splice Tray (includes 60 mm splice sleeves)	T5PLS-24F
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For assistance customising your HDX frame system, please call Customer Service at +44 (0) 1592 772124.



### 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 organised, 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-fibre 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 labour for maintenance, as it allows unobstructed access to patch cord connections. The one-tile footprint makes it easier to access the space beneath a raised floor.



## ROI Savings Calculator

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



## FEATURED PRODUCTS

Enclosures **B16**

Adaptor Plates  
**B19**

Splice Modules  
**B21**

# SDX Systems

## 72 LC FIBRES PER RU

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



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

- Accepts SDX adaptor 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 fibre termination and/or splicing
- Stackable and adjustable fibre 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 Adaptor Plates

#### RECOMMENDED APPLICATIONS:

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

### 1000i SDX 1RU/2RU/3RU/4RU RACK-MOUNT ENCLOSURES

- Accepts SDX adaptor 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 fibre termination and/or splicing
- Enclosures protrude 4.5 inches from mounting ears to align with Versi-Duct® Cable Management System
- Included accessory kit consists of cable ties, mounting ear screws, and port ID label
- 1RU and 2RU accept the HDX Retrofit Tray (sold separately) for higher density applications using HDX MTP® Cassettes

#### RECOMMENDED APPLICATIONS:

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

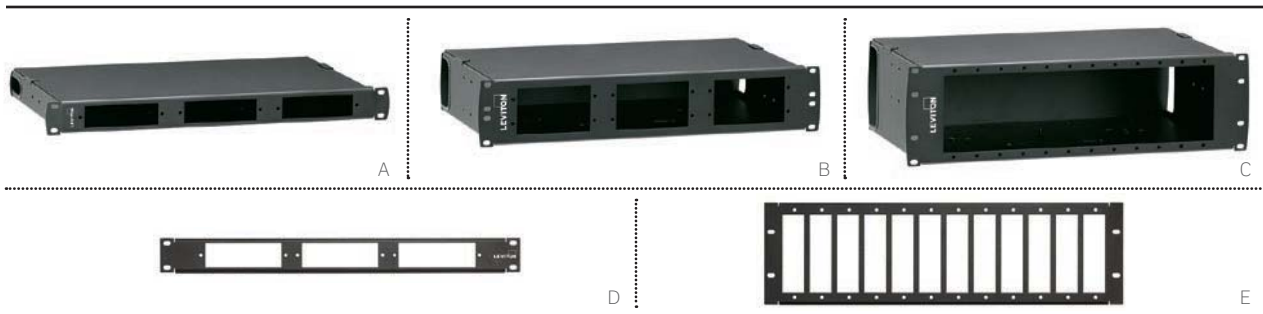
#### 2000i SDX RACK-MOUNT ENCLOSURES

DESCRIPTION	MAXIMUM CAPACITY			PART NO.
	FIBRES (USING LC)	ADAPTOR PLATES	AND SPLICE TRAYS/MODULES*	
[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.  
 ^ = Horizontal adaptor plate/cassette orientation



500i SDX 1RU/2RU/3RU FLUSH-MOUNT RACK ENCLOSURES

- Accepts SDX adaptor plates, splice trays, and splice modules (page B19-B21)
- Flush-mount adaptor bulkhead makes moves, adds, and changes easy
- One-piece removable cover allows for complete accessibility to the back of the enclosure
- Accepts injection-moulded splice trays and 4-inch x 7-inch metal splice trays
- Enclosure can store up to 3 metres of 900 µm tight-buffered fibre per adaptor
- Included accessory kit consists of cable ties, mounting ear screws, and port ID label
- 1RU and 3RU flush-mount panels accept SDX adaptor 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.
	FIBRES (USING LC)	ADAPTOR 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

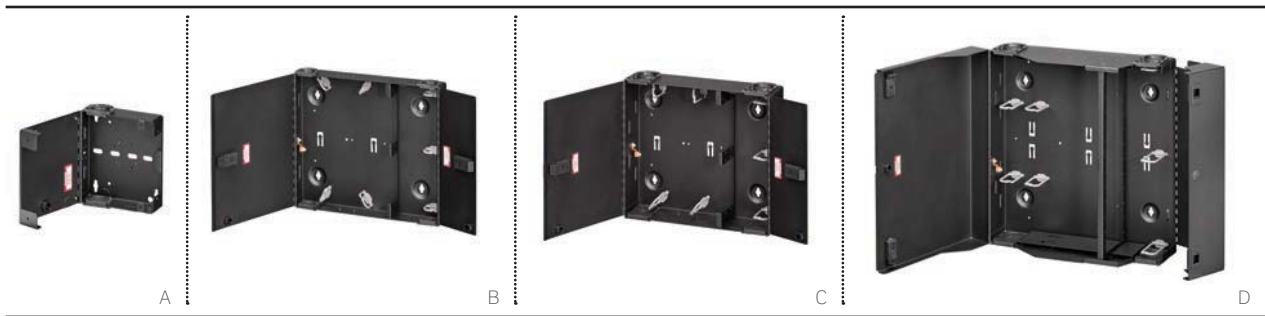
\* = Maximum splice tray capacity is limited by height of selected splice tray. Installation of multiple splice trays may require not installing tray covers. See pages B19 for list of SDX adaptor plates.

SPOTLIGHT Patch Cord Management Tray



**Patch Cord Management Trays** help route and organise 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.)





**SDX WALL-MOUNT FIBRE OPTIC ENCLOSURES**

- Four sizes available (mini, small, medium, large) to accommodate from 24 LC to 288 LC fibres
- 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 adaptor bracket allows enclosures to accommodate both Leviton SDX and HDX patching platforms (see page B22)

**RECOMMENDED APPLICATIONS:**

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

SDX Systems

FIBRE

**SDX WALL-MOUNT ENCLOSURES**

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

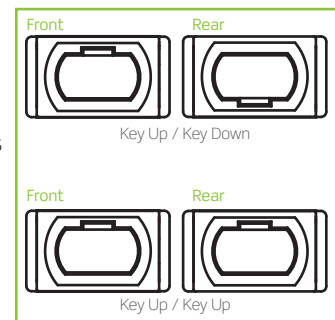
See pages B19 for list of SDX adaptor plates.





## SDX ADAPTOR 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-moulded LC and SC adaptor plate colours designate fibre type, per TIA standards
- Available in 6- to 24-fibre plates for LC, SC, and ST
- Available in 72- to 192-fibre plates for MTP®
- MTP and LC adaptor plates with shutters available by custom order
- 6-position QuickPort® Adaptor plates accept all QuickPort modules



## SDX RACK-MOUNT ENCLOSURE CAPACITY

1RU FOR 2000i, 1000i & 500i	2RU FOR 2000i, 1000i & 500i	3RU FOR 1000i	3RU FOR 500i	4RU FOR 2000i & 1000i
Holds up to 3 adaptor plates	Holds up to 6 adaptor plates	Holds up to 9/12 adaptor plates	Holds up to 12 adaptor plates	Holds up to 12/15 adaptor plates
6-pk Dplx LC = up to 36-fibres 6-pk Quad LC = up to 72-fibres 3-pk Dplx SC = up to 18-fibres 6-pk Dplx SC = up to 36-fibres 6-pk ST = up to 18-fibres 8-pk ST = up to 24-fibres	6-pk Dplx LC = up to 72-fibres 6-pk Quad LC = up to 144-fibres 3-pk Dplx SC = up to 36-fibres 6-pk Dplx SC = up to 72-fibres 6-pk ST = up to 36-fibres 8-pk ST = up to 48-fibres	6-pk Dplx LC = up to 108/144-fibres 6-pk Quad LC = up to 216/288-fibres 3-pk Dplx SC = up to 54/72-fibres 6-pk Dplx SC = up to 108/144-fibres 6-pk ST = up to 54/72-fibres 8-pk ST = up to 72/96-fibres	6-pk Dplx LC = up to 144-fibres 6-pk Quad LC = up to 288-fibres 3-pk Dplx SC = up to 72-fibres 6-pk Dplx SC = up to 144-fibres 6-pk ST = up to 72-fibres 8-pk ST = up to 96-fibres	6-pk Dplx LC = up to 144/180-fibres 6-pk Quad LC = up to 288/360-fibres 3-pk Dplx SC = up to 72/90-fibres 6-pk Dplx SC = up to 144/180-fibres 6-pk ST = up to 72/90-fibres 8-pk ST = up to 96/120-fibres

## SDX WALL-MOUNT ENCLOSURE CAPACITY

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

## SDX PRECISION-MOULDED FIBRE ADAPTOR PLATES

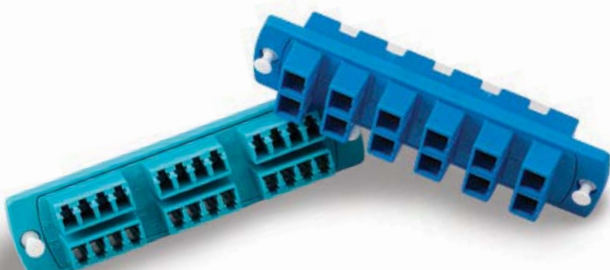
DESCRIPTION	PART NO.
[A] 12-Fibre SDX Adaptor Plate, OM1, Duplex LC (beige), zirconia ceramic sleeve	5F100-2IL
[B] 12-Fibre SDX Adaptor Plate, OM2, Duplex LC (black), zirconia ceramic sleeve	5F100-2EL
[C] 12-Fibre SDX Adaptor Plate, OM3, Duplex LC (aqua), zirconia ceramic sleeve	5F100-2QL
[D] 12-Fibre SDX Adaptor Plate, OS2, Duplex LC (blue), zirconia ceramic sleeve	5F100-2LL
[E] 12-Fibre SDX Adaptor Plate, OS2, Duplex LC/APC (green), zirconia ceramic sleeve	5F100-2VL
[F] 24-Fibre SDX Adaptor Plate, OM1, Quad LC (beige), zirconia ceramic sleeve	5F100-4IL
[G] 24-Fibre SDX Adaptor Plate, OM2, Quad LC (black), zirconia ceramic sleeve	5F100-4EL
[H] 24-Fibre SDX Adaptor Plate, OM3, Quad LC (aqua), zirconia ceramic sleeve	5F100-4QL
[I] 24-Fibre SDX Adaptor Plate, OS2, Quad LC (blue), zirconia ceramic sleeve	5F100-4LL
6-Fibre SDX Adaptor Plate, OM1, Duplex SC (beige), zirconia ceramic sleeve	5F100-6IC
6-Fibre SDX Adaptor Plate, OM2, Duplex SC (black), zirconia ceramic sleeve	5F100-6EC
6-Fibre SDX Adaptor Plate, OM3, Duplex SC (aqua), zirconia ceramic sleeve	5F100-6QC
6-Fibre SDX Adaptor Plate, OS2, Duplex SC (blue), zirconia ceramic sleeve	5F100-6LC
6-Fibre SDX Adaptor Plate, OS2, Duplex SC/APC (green), zirconia ceramic sleeve	5F100-6VC
[J] 12-Fibre SDX Adaptor Plate, OM1, Duplex SC (beige), zirconia ceramic sleeve	5F100-2IC
[K] 12-Fibre SDX Adaptor Plate, OM2, Duplex SC (black), zirconia ceramic sleeve	5F100-2EC
[L] 12-Fibre SDX Adaptor Plate, OM3, Duplex SC (aqua), zirconia ceramic sleeve	5F100-2QC
[M] 12-Fibre SDX Adaptor Plate, OS2, Duplex SC (blue), zirconia ceramic sleeve	5F100-2LC
[N] 12-Fibre SDX Adaptor Plate, OS2, Duplex SC/APC (green), zirconia ceramic sleeve	5F100-2VC
[O] 6-Fibre SDX Adaptor Plate, ST MM/SM (black), zirconia ceramic sleeve*	5F100-6MT
[P] 8-Fibre SDX Adaptor Plate, ST MM/SM (black), zirconia ceramic sleeve*	5F100-8MT
[Q] SDX Adaptor Plate, blank (black)	5F100-PLT
<b>SDX FIBRE ADAPTOR PLATES, METAL</b>	
[R] 12-fibre SDX Adaptor Plate (Black), OM4, Duplex LC (heather violet), zirconia ceramic sleeve*	5F100-12M
[S] 24-fibre SDX Adaptor Plate (Black), OM4, Quad LC (heather violet), zirconia ceramic sleeve*	5F100-24M
[T] SDX Adaptor Plate, 6 simplex MTP® (black), key up/key down*	5F100-6MP
SDX Adaptor Plate, 6 simplex MTP (black), key up/key up*	5F100-6MB
[U] SDX Adaptor Plate, 8 simplex MTP (black), key up/key down*	5F100-8MP
SDX Adaptor Plate, 8 simplex MTP (black), key up/key up*	5F100-8MB
[V] SDX Adaptor Plate, 6-position QuickPort® (black), empty	5F100-6QP

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

Additional adaptor plate configurations available. Please contact Customer Service at +44 (0) 1592 772124 for more information.

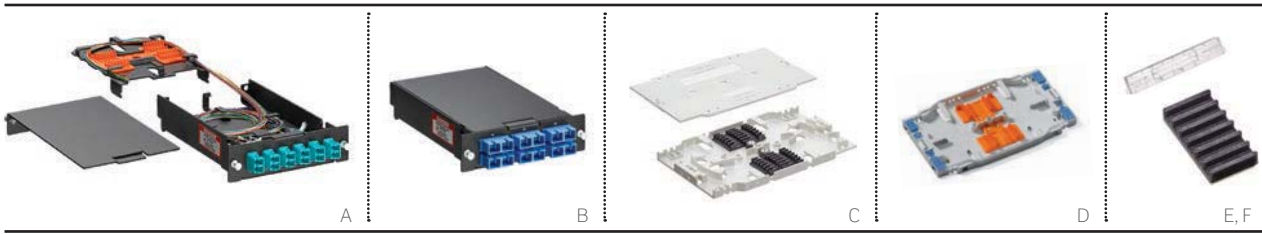
## SPOTLIGHT

## SDX Precision-Moulded Adaptor Plates



**Traditional adaptor plate construction** typically uses independent couplers inserted in a metal plate that often results in a 'rattling' of components. Leviton SDX Adaptor Plates eliminate rattling and loose-fitting adaptors by using precision moulding and integrated adaptors, 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).

# SDX SYSTEMS | Splice Trays & Splice Modules



## SDX 12- & 24-FIBRE SPLICE MODULES

- Integrate fibre adaptor bulkhead (12 or 24 fibres) 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 fibres
- Modular design allows for ease of maintenance of individual spliced fibre and allows for scaling up without impacting existing fibres

## 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 fibres
- Average installation takes 30 seconds, with insertion loss level of 0.1 dB

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

DESCRIPTION	PART NO.
<b>[A]</b> 12-fibre Splice Module, LC* (includes splice sleeves)	SPLCS-12x
24-fibre Splice Module, LC*	SPLCS-24x
<b>[B]</b> 12-fibre 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-FIBRE SPLICE TRAY

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

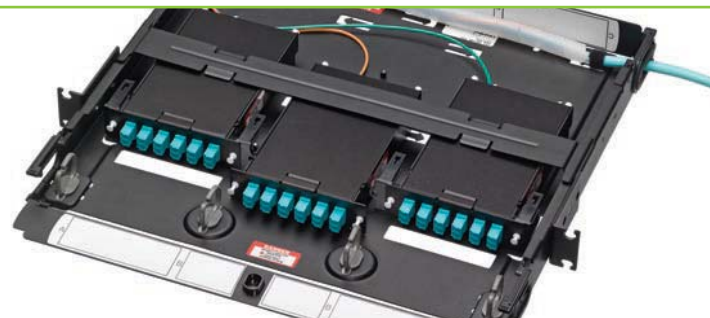
### KEYQUICK MECHANICAL SPLICE

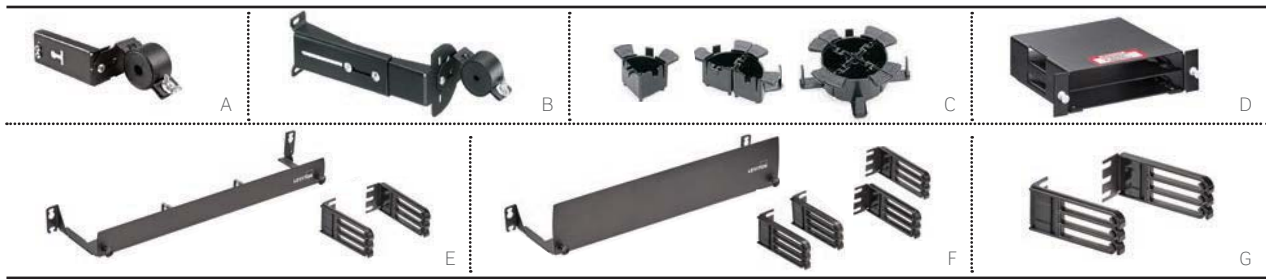
<b>[E]</b> KeyQuick Mechanical Splice 250µm, 900µm	FPCMS001
<b>[F]</b> KeyQuick Mechanical Splice Holder	FPCMSH06

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

## SPOTLIGHT | SDX Fibre Splice Modules

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





## SDX SYSTEM ACCESSORIES

- Cable Clamp Kits minimise excessive pulling, bending, and crushing
- Support easy cable identification and decrease the need for tie-wraps inside the enclosure
- Fibre Cable Management Rings secure fibre slack
- Patch Cord Management Trays help route and organise 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 Adaptor Bracket upgrades SDX Enclosures to accept two HDX cassettes per bracket
- ORU 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
<b>[A]</b> Universal Clamp Kit, single cable grommet (for enclosure mounting) ^	5RCMP-KIT	X	X	X	X
Universal Clamp Kit, multiple cable grommet (for enclosure mounting) ^	5RCMP-KT2	X	X	X	X
<b>[B]</b> Universal Clamp Kit, single and multiple cable grommet (for rack mounting) ^	5RCMR-KIT	X	X	X	
<b>[C]</b> Fibre Cable Management ¼ Round Ring Kit (bag of four) ^	5R100-14R	X	X	X	
Lock and Key for Rack-Mount and Wall-Mount Enclosures ^	5L000-KAL		X		X
HDX Retrofit Sliding Tray 1RU ^	5R1UR-TRY	X	X		
HDX Retrofit Sliding Tray 2RU ^	5R2UR-TRY	X	X		
<b>[D]</b> HDX-to-SDX Adaptor Bracket ^	HDXAD-ACC	X	X	X	X
<b>[E]</b> 1RU Patch Cord Management Tray, for use with any flat panels ^	5R1UX-CMT			X	
<b>[F]</b> 2RU Patch Cord Management Tray, for use with any flat panels ^	5R2UX-CMT			X	
Grounding Kit ^	DPGRD-KIT	X	X	X	X
<b>[G]</b> ORU Patch Cord Managers, bag of 2 ^	5RCMT-VFG	X	X	X	
DIN Rail Bracket Kit (for mini enclosure only) ^	DNRAL-ACC				X
ORU Mounting Bracket, bag of 2 (for mini enclosure only) ^	5WMNB-ACC				X

^ = Minimum order quantity and lead times may apply.

## SPOTLIGHT Cable Clamp Kits

**Cable clamp kits** minimise 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 fibre 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

### FEATURED PRODUCTS

Panels **B25**

Cassettes **B26**

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



e2XHD Patching System

FIBRE

## e2XHD HIGH-DENSITY PATCH PANELS

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



e2XHD MTP-MTP Pass-Through Cassette



## e2XHD FIBRE CASSETTES

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

The e2XHD Fibre Cassette features an MTP adaptor 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 adaptor delivers an ideal solution for eliminating cable tension and ensuring proper bend radius.



e2XHD 24-Fibre Cassette, MTP-LC, Edge



e2XHD 12-Fibre QuickPort® LC Cassette, OM3 - Aqua

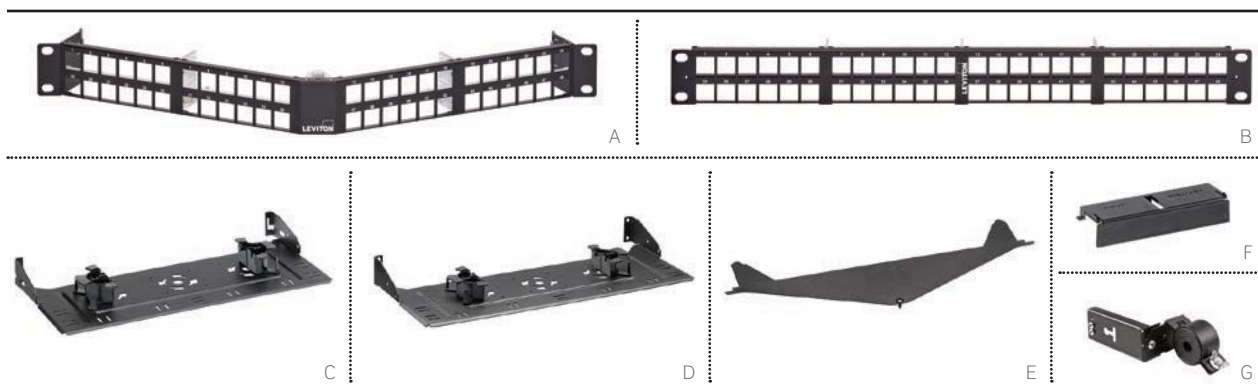
### WATCH: TRAINING VIDEOS



[Leviton.com/ns/videos](https://leviton.com/ns/videos)  
'e2XHD Cassette-Based Patching System'

# e2XHD SNAP-IN CASSETTE

## PATCHING SYSTEM | Rack-Mount Panels, Cable Managers Covers & Tools



### HIGH-DENSITY PANELS

- Allows for fibre and copper in the same panel
- 1RU panels hold up to 8 single-height fibre cassettes (48-fibre 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
- Minimises 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 fibre and copper cables
- Cable management rings included to help manage and route incoming fibre 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

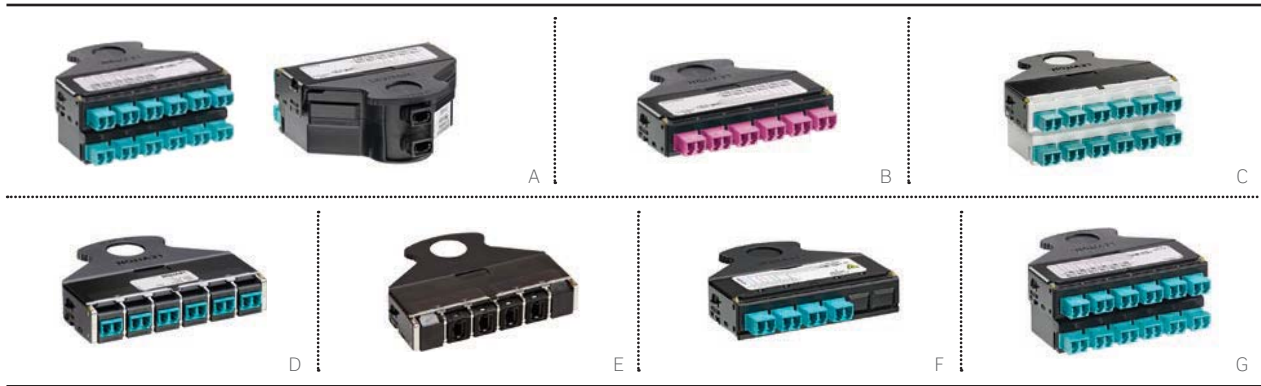


e2XHD Snap-In Cassette Patching System for copper applications on page A20.

### e2XHD PANELS, CABLE MANAGERS COVERS & TOOLS

DESCRIPTION	PART NO.
<b>[A]</b> 1RU 48-Port e2XHD Angled High-Density Panel, supports unshielded, shielded, and fibre media	E2X1A-E48
<b>[B]</b> 1RU 48-Port e2XHD Flat High-Density Panel, supports unshielded, shielded, and fibre media	E2X1F-E48
<b>[C]</b> e2XHD Rear Cable Manager for Angled Panel, with fibre storage rings (four ¼" rings)	E2XHD-CMB
<b>[D]</b> e2XHD Rear Cable Manager for Flat Panel, with fibre storage rings (four ¼" rings)	E2X1F-CMB
<b>[E]</b> e2XHD Angled Panel Cover	E2XHD-COV
<b>[F]</b> e2XHD Cassette Blank	E2XHD-BLK
QuickPort® Jack Removal Tool	E2XHD-JRT
<b>[G]</b> 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





## FIBRE CASSETTES

- Easy to migrate from 10G to 40/100G when used with Leviton cable assemblies
- Used exclusively with e2XHD panels
- Available in MTP-MTP or MTP-LC
- Available in 12- or 24-fibre, OM3, OM4, OS2
- MTP® adaptor swivel allows for easy cable routing and proper bend radius
- QuickPort® MTP-LC Cassette uses QuickPort modular fibre adaptors; 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 customising your cassettes, please visit [Brand-Rex.com/products/configurator](http://Brand-Rex.com/products/configurator) or call Customer Service at +44 (0) 1592 772124.

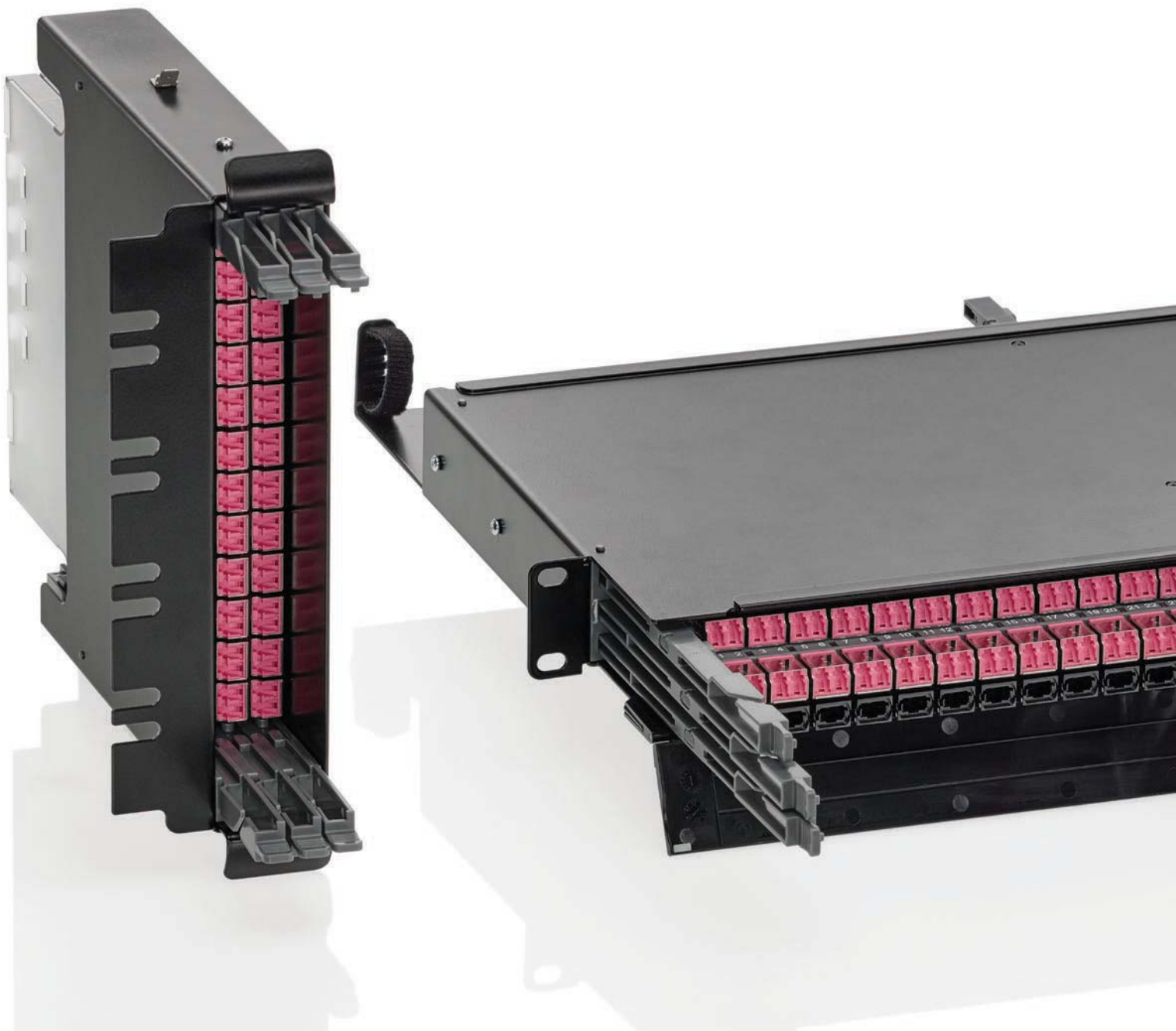


e2XHD PATCHING SYSTEM CASSETTES	
DESCRIPTION	PART NO.
<b>[A]</b> 24-Fibre e2XHD Cassette, MTP-LC, core (2x12 fibre MTP)	(see options below)
<b>[B]</b> 12-Fibre e2XHD Cassette, OM4, MTP-LC, core (1x12 fibre MTP) (heather violet)	(see options below)
<b>[C]</b> 24-Fibre e2XHD Cassette, MTP-LC, edge (2x12 fibre MTP)	(see options below)
<b>[D]</b> 12-Fibre e2XHD QuickPort Cassette, OM3, LC (aqua)	E2XLC-AQU
12-Fibre e2XHD QuickPort Cassette, OM4, LC (heather violet)	E2XLC-HVL
12-Fibre e2XHD QuickPort Cassette, OS2, LC (blue)	E2XLC-BLU
<b>[E]</b> e2XHD Cassette, MTP-MTP passthrough, four key-up/key-down adaptors	E2XHD-4MP
e2XHD Cassette, MTP-MTP passthrough, four key-up/key-up adaptors	E2XHD-4MB
<b>[F]</b> 8-Fibre e2XHD Conversion Cassette, 40G to 10G OM3, MTP-LC*	FME2XHD-E008CKQDJ
8-Fibre e2XHD Conversion Cassette, 40G to 10G OM4, MTP-LC (heather violet)*	FME2XHD-F008CKEVDJ
8-Fibre e2XHD Conversion Cassette, 40G to 10G OS2, MTP-LC*	FME2XHD-A008CKLDJ
<b>[G]</b> 24-Fibre e2XHD Conversion Cassette, 120G to 10G OM3, MTP-LC*	FME2XHD-E024CHQES4
24-Fibre e2XHD Conversion Cassette, 120G to 10G OM4, MTP-LC (heather violet)*	FME2XHD-F012CHEVES4
24-Fibre e2XHD Conversion Cassette, 120G to 10G OS2, MTP-LC*	FME2XHD-E024CHLES4

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

Make-to-Order! e2XHD MTP FIBRE CASSETTE OPTIONS				
FIBRE TYPE	FIBRE COUNT	CONNECTOR TYPE	MTP FIBRE COUNT	POLARITY
• OM3	• 8	• LC	• 12F MTP	• Method A
• OM4	• 12	• 8F MTP (female)		• Method B, Core, Black
• OS2	• 24			• Method B, Edge, White
				• Method C

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## FEATURED PRODUCTS

Panels **B28**

Cassettes **B29**

# HI-DEX<sup>®</sup> System

The HI-DEX patching system offers the perfect balance between density, administration, and realistic usability. Compact cassettes allow for up to 144 fibres in LC or 864 fibres in MTP<sup>®</sup> 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

FIBRE

## HI-DEX PANEL SETS

- 1RU 19-inch panel accommodates up to six HI-DEX cassettes or adaptor plates
- High fibre density of up to 144 LC fibres per RU
- Cassettes and adaptor plates slide out individually, allowing unrestricted access to every port
- Cassettes and adaptor plates can load from front or rear
- Labelling 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 fibre when sliding runners are moved

PANEL SETS		
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, black (3 cassettes)	HDXZSR2
[E]	HI-DEX Cable Tray Consolidation Point, black (3 cassettes)	HDXZCT2
[F]	HI-DEX 3U Hanging Rack Frame, black	HDXZHR2
[G]	HI-DEX 3U Under Floor Frame, black	HDXZUF2



A



B



C

## HI-DEX CASSETTES & ADAPTOR PLATES

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



### CASSETTES (OM3, OM4, and single-mode options use bend insensitive fibre as standard)

DESCRIPTION	PART NO.
<b>[A]</b> 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	HDXBBTML10824
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

### ADAPTOR PLATES

<b>[B]</b> 12 Simplex MTP (Opposed) HI-DEX Adaptor Plate	HDXOCAM144
12 Simplex MTP (Aligned) HI-DEX Adaptor Plate	HDXOCBM144
12 Duplex LC OS2 (Blue) HI-DEX Adaptor Plate	HDXOCLC10824
12 Duplex LC OM3 (Aqua) HI-DEX Adaptor Plate	HDXOCLCOM324
<b>[C]</b> 12 Duplex LC OM4 (Heather Violet) HI-DEX Adaptor Plate	HDXOCLCOM424
Blank Open HI-DEX Adaptor Plate	HDXOCBLK

### Make-to-Order! HI-DEX CASSETTE OPTIONS

FIBRE TYPE	FIBRE COUNT	CONNECTOR TYPE (FRONT)	MTP TYPE (REAR)	POLARITY
<ul style="list-style-type: none"> <li>• OM3</li> <li>• OM4</li> <li>• OS2</li> </ul>	<ul style="list-style-type: none"> <li>• 24</li> </ul>	<ul style="list-style-type: none"> <li>• LC UPC</li> <li>• LC APC</li> <li>• MTP (female)</li> </ul>	<ul style="list-style-type: none"> <li>• MTP (male)</li> </ul>	<ul style="list-style-type: none"> <li>• Method A</li> <li>• Method B</li> <li>• Method C</li> </ul>

For assistance customising your cassettes, please visit [Brand-Rex.com/products/configurator](http://Brand-Rex.com/products/configurator) or call Customer Service at +44 (0) 1592 772124.



A

## SPLICE CASSETTES

- High-density 24-fibre Splice Cassette allows up to 144 fibres to be spliced and managed in 1 rack unit
- 12 ultra-high-performance LC Duplex adaptors per cassette achieve a low-loss optical budget
- Shuttered adaptors with integrated dust and laser protection as standard
- Accommodates 1-metre 250 µm fibre pigtailed and up to 1-metre 900 µm incoming fibre
- Space for 4 incoming trunk cables up to 9 mm in diameter accommodates Leviton PDC and Unitube cable and individual Blolite® Air Blown Fibre ducts
- Optimised fibre pathway for improved management and containment of fibre
- Printed port identification, coloured fibre pairs, and a transparent lid assist with fibre identification and splice management

### 24-FIBRE SPLICE CASSETTES

DESCRIPTION	PART NO.
HI-DEX Splice LC SM Loaded with 24-fibre Pigtail Cassette	HDXSPLC20824
HI-DEX Splice LC SM Empty Cassette	HDXSPLC20800
HI-DEX Splice LC SM APC Loaded with 24-fibre Pigtail Cassette	HDXSPAL20824
HI-DEX Splice LC SM APC Empty Cassette	HDXSPAL20800
HI-DEX Splice LC OM3 Loaded with 24-fibre Pigtail Cassette	HDXSPLCOM324
HI-DEX Splice LC OM3 Empty Cassette	HDXSPLCOM300
<b>[A]</b> HI-DEX Splice LC OM4 Loaded with 24-fibre Pigtail Cassette	HDXSPLCOM424
HI-DEX Splice LC OM4 Empty Cassette	HDXSPLCOM400

### 250µm FIBRE PIGTAILS FOR 24-FIBRE SPLICE CASSETTES

12x LC SM 250µm 1 m Fibre Pigtailed	HOTLC2087001000-12
12x LC SM APC 250µm 1 m Fibre Pigtailed	HOTAL2087001000-12
12x LC OM3 250µm 1 m Fibre Pigtailed	HOTLCOM37001000-12
12x LC OM4 250µm 1 m Fibre Pigtailed	HOTLCOM47001000-12

Note: Each of the 12 fibres is individually coloured as per TIA-598-D.  
Individual 250µm pigtailed in a range of colours are also available. Please contact Customer Service at +44 (0) 1592 772124 for more information.



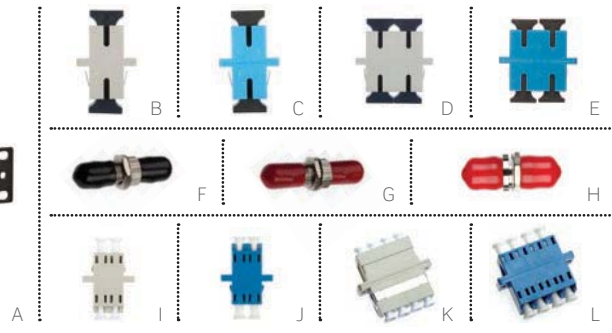
## FEATURED PRODUCTS

Panels **B32-B34**

Adaptors **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 available in black or grey
- Available to support ST, FC, SC, or LC adaptors
- 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 customised fibre-management configurations and additional securing for incoming cables
- Additional adaptor blanking plugs are available on request
- Suitable for both Blolite® and conventional fibre cables

## OPTICAL ADAPTORS

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

### FIBREPLUS UNLOADED PANELS & PANEL OPTIONS

DESCRIPTION	PART NO.
<b>[A]</b> Unloaded Panel for up to 24 ST or FC adaptors, black	FPCC1SXXX24ST2
Unloaded Panel for up to 12 SC Duplex or LC Quad adaptors, black	FPCC1SXXX24DC2
Unloaded Panel for up to 24 SC Duplex or LC Quad adaptors, black	FPCC1SXXX48DC2
Unloaded Panel for up to 24 SC Simplex or LC Duplex adaptors, black	FPCC1SXXX48SC2
Fibre Management Kit (includes loops and 24 way splice bridge)	FPCFMKIT001
Adaptor Collar for 3 mm Blolite Straight Connector	30-0301-5
ST/FC Blanking Plugs, Black, pack 100	BPST101-100
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 ADAPTORS

SC ADAPTORS	PART NO.
<b>[B]</b> SC, multimode, zirconia ceramic sleeve, beige	BHCSCMM001
<b>[C]</b> SC, single-mode, zirconia ceramic sleeve, blue	BHCSCSM001
<b>[D]</b> SC Duplex, multimode, zirconia ceramic sleeve, beige	BHCDCMM001
<b>[E]</b> SC Duplex, single-mode, zirconia ceramic sleeve, blue	BHCDCSM001
ST AND FC ADAPTORS	
<b>[F]</b> ST, multimode, zirconia ceramic sleeve	BHCSTMM001
<b>[G]</b> ST, single-mode, zirconia ceramic sleeve	BHCSTSM001
<b>[H]</b> FC-PC, single-mode, zirconia ceramic sleeve	BHCFCSM001
LC ADAPTORS	
<b>[I]</b> LC Duplex, multimode, zirconia ceramic sleeve, beige	BHCLCMM001
<b>[J]</b> LC Duplex, single-mode, zirconia ceramic sleeve, blue	BHCLCSM001
<b>[K]</b> LC Quad, multimode, zirconia ceramic sleeve, beige	BHCL4MM001
<b>[L]</b> LC Quad, single-mode, zirconia ceramic sleeve, blue	BHCL4SM001
MT-RJ adaptor	BHCMJXX001



A

## FIBREPLUS PRELOADED PATCH PANELS

- 1RU 19-inch panels available in black or grey
- Available preloaded with ST, FC, SC, or LC adaptors
- 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 customised fibre management configurations and additional securing for incoming cables
- Additional adaptor blanking plugs are available on request
- Suitable for both Blolite® and conventional fibre cables

FIBREPLUS - LOADED PATCH PANELS						
DESCRIPTION	4 ADAPTOR	6 ADAPTOR	8 ADAPTOR	12 ADAPTOR	16 ADAPTOR	24 ADAPTOR
ST, single-mode	FPCC1SXSM04ST2	FPCC1SXSM06ST2	FPCC1SXSM08ST2	FPCC1SXSM12ST2	FPCC1SXSM16ST2	FPCC1SXSM24ST2
ST, multimode	FPCC1SXMM04ST2	FPCC1SXMM06ST2	FPCC1SXMM08ST2	FPCC1SXMM12ST2	FPCC1SXMM16ST2	FPCC1SXMM24ST2
FC, single-mode	FPCC1SXSM04FC2	FPCC1SXSM06FC2	FPCC1SXSM08FC2	FPCC1SXSM12FC2	FPCC1SXSM16FC2	FPCC1SXSM24FC2
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 FIBRE MANAGEMENT PANELS

- 48 fibres (12 quad LC adaptors) 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
- Adaptors 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

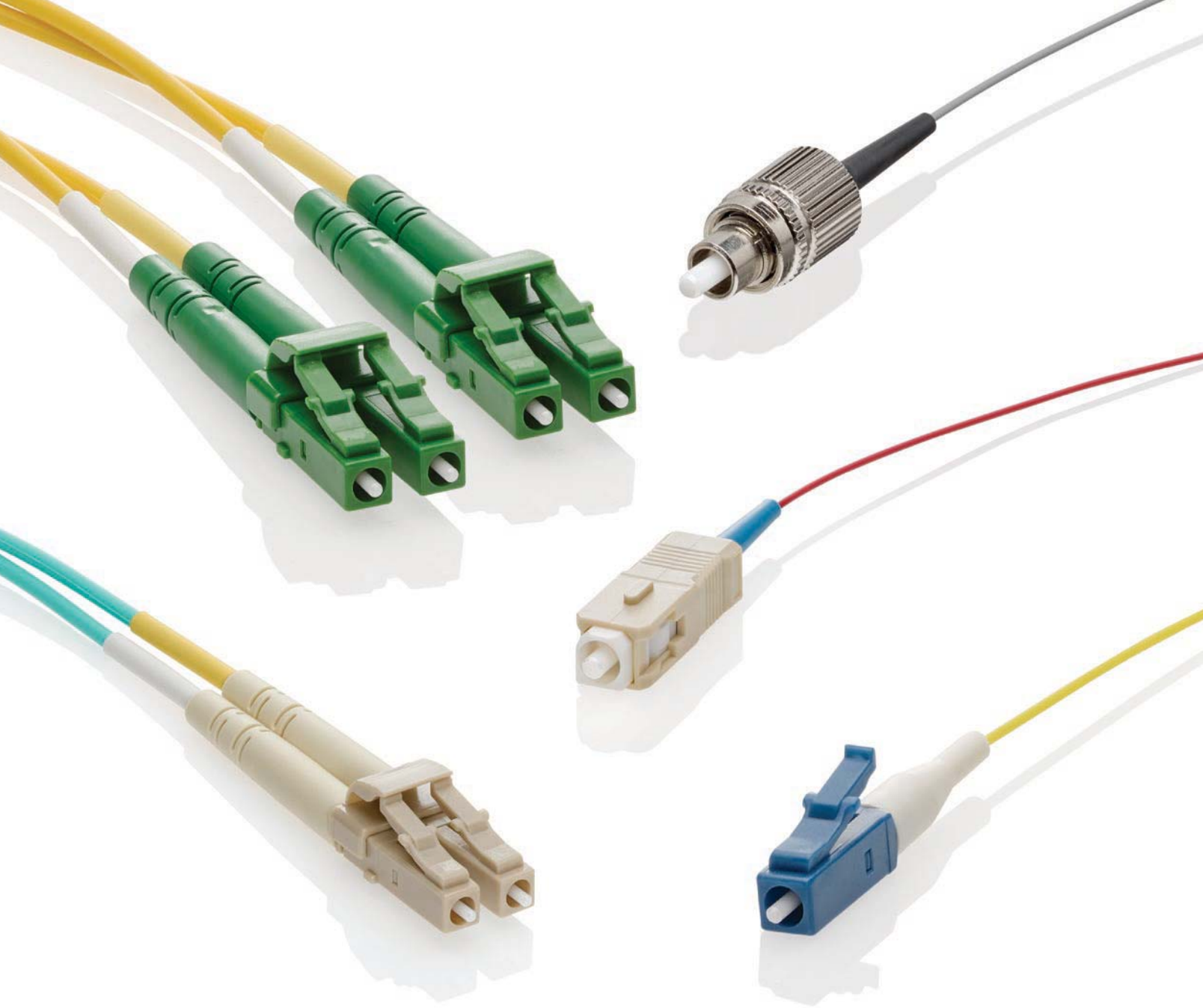
- 1RU 19-inch panel with two pivoting cassettes
- Clear storage of connections while allowing for easy access to adaptors in the event of moves, adds, or changes
- Allows two cassettes to pivot out in both directions to create access to the fibre management, whilst maintaining a fixed cable-entry point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

### HIGH-DENSITY FIBRE MANAGEMENT PANELS

DESCRIPTION	PART NO.
<b>[A]</b> High-Density Fibre Management Panel, 48 LC Ports, 1RU dual cassette, part loaded with 12 x Quad LC multimode adaptors and glands, black	FPCPC1XMM48LC2
High-Density Fibre Management Panel, 48 LC Ports, 1RU dual cassette, part loaded with 12 x Quad LC single-mode adaptors and glands, black	FPCPC1XSM48LC2
High-Density Fibre Management Panel, 48 LC ports, 1RU dual cassette, loaded with 12 x Quad LC single-mode adaptors, glands and 48 x 2m 900µm Simplex OS1/OS2 easy strip pigtails, black	FPCPC100848LC2
High-Density Fibre Management Panel, 48 LC ports, 1RU dual cassette, loaded with 12 x Quad LC multimode adaptors, glands and 48x 2m 900µm simplex OM3 easy strip pigtails, black	FPCPC10M348LC2

### FIBREPLUS DUAL PIVOTING PATCH PANELS

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



## FEATURED PRODUCTS

Trunk Cables **B37**

Harnesses **B39**

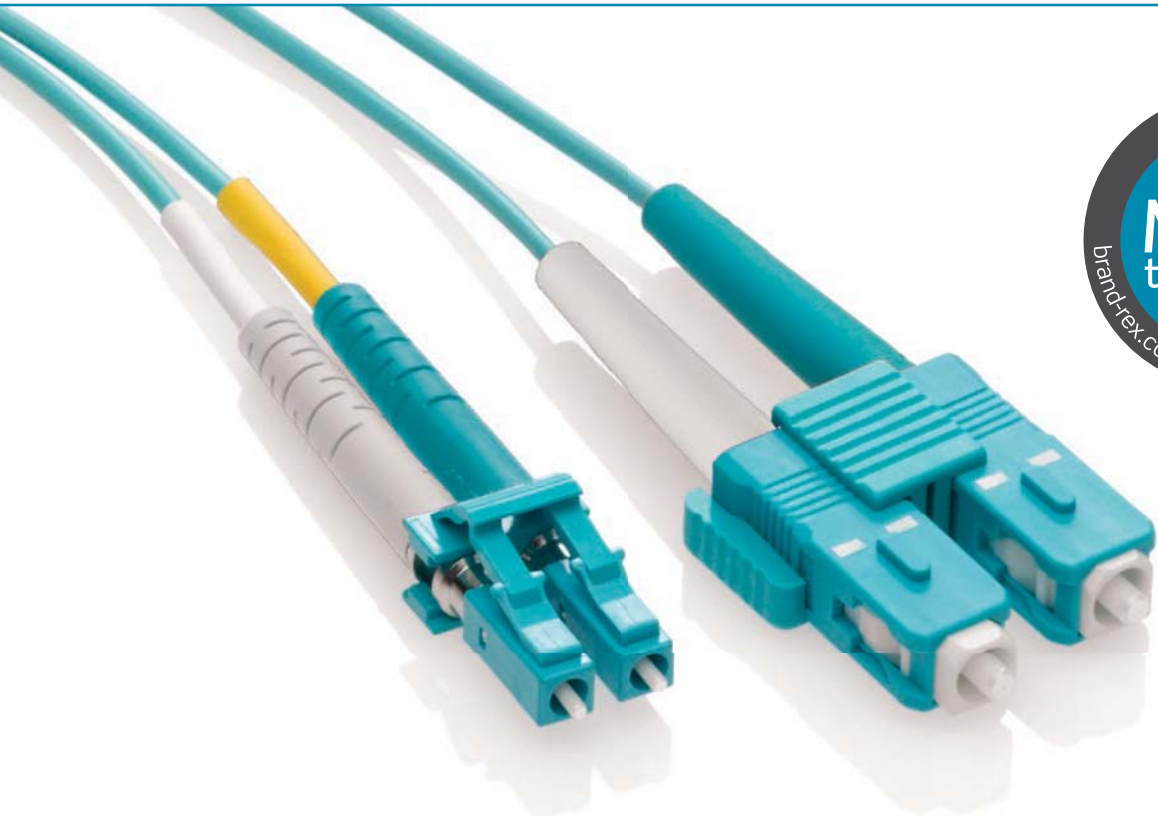
Array Cords **B40**

Patch Cords **B41**

# Pre-Terminated Cable Assemblies

Simplify fibre 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 [Brand-Rex.com/products/configurator](https://Brand-Rex.com/products/configurator).

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Pre-Terminated Cable Assemblies  
**FIBRE**

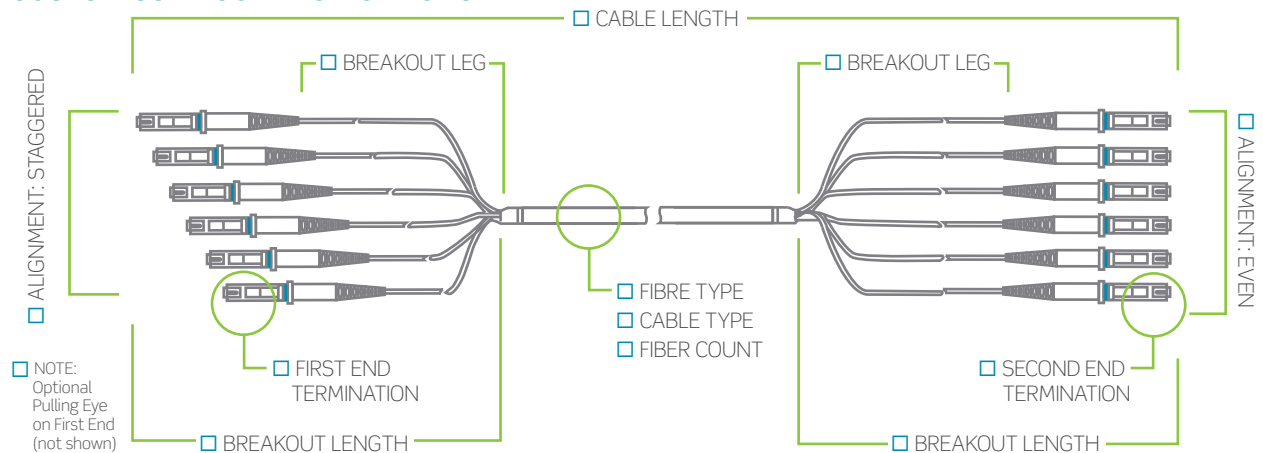
## BUILD YOUR OWN PRODUCTS WITH THE LEVITON MAKE-TO-ORDER PROGRAM

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 fibre and copper products.

### MAKE-TO-ORDER CABLE ASSEMBLIES

- Pre-Terminated Fibre Array cords
- Pre-Terminated Fibre Trunks
- Fibre MTP® Harnesses

### CUSTOM CONFIGURATION OPTIONS



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

Pre-Terminated Cable Assemblies

FIBRE



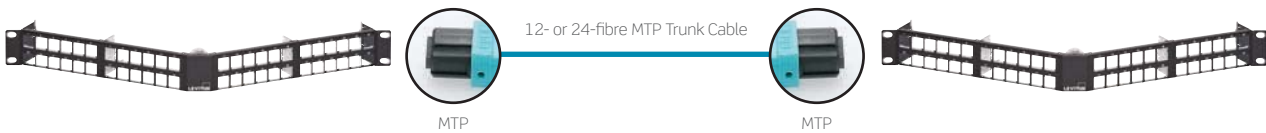
## PRE-TERMINATED TRUNK CABLES

- 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 re-order



## SPOTLIGHT

### Migration Path to 40G & 100G



Leviton pre-terminated MTP solutions offer an ideal migration path from 10G to 40G and 100G channels. Leviton offers MTP trunks, harnesses, array cords, adaptor plates, and cassettes to help future-proof your networks. The solutions are fully compatible with UHD, 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.

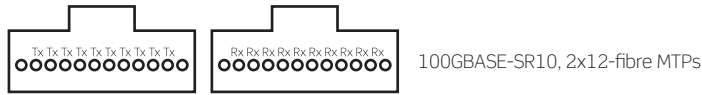
**40G**  
Migration from 10G to a 40G system replaces LC with MTP components, such as 2x12-fibre to 3x8-fibre MTP cassettes and 8-fibre MTP array cords.

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

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

## MTP® LANE ASSIGNMENTS FOR 40/100G



NOTE: Per IEEE 802.3ba and 802.3bm

## COLOUR-CODED BOOTS ON MTP



## Make-to-Order! PRE-TERMINATED TRUNK CABLE OPTIONS

FIBRE TYPE	CABLE TYPE	FIBRE COUNT	FIRST-END TERMINATION	SECOND-END TERMINATION	CABLE LENGTH (METRES)	BREAKOUT LENGTH (METRES)	BREAKOUT TYPE	PULLING EYE	POLARITY	LABELLING
• OM3	• Trunk Cable	• 12	• 24 F MTP (male)	• 24 F MTP (male)	• Min = 3 m	• 0.5	• 2 mm Jacketed Fibre	• Yes	• Method A	• Standard
• OM4	• EuroClass Cca	• 24	• 24 F MTP (female)	• 24 F MTP (female)	• Max = 550 m	• 0.9	• 3 mm Jacketed Fibre	• No	• Method B	• Custom
• OS2	• Trunk Cable	• 48	• 12 F MTP (male)	• 12 F MTP (male)		• 1.0	• 3.6 mm Jacketed Fibre		• Method C	
	• EuroClass Dca	• 96	• 12 F MTP (female)	• 12 F MTP (female)		• 1.5				
		• 144	• 8 F MTP (female)	• 8 F MTP (female)						
			• 8 F MTP (male)	• 8 F MTP (male)						
			• SC Duplex APC	• SC Duplex APC						
			• LC Duplex APC	• LC Duplex APC						
			• LC Duplex	• LC Duplex						
			• SC Duplex	• SC Duplex						
			• LC Uniboot APC	• LC Uniboot APC						
			• LC Uniboot	• LC Uniboot						

For assistance customizing your trunks, please visit [Brand-Rex.com/products/configurator](http://Brand-Rex.com/products/configurator) or call Customer Service at +44 (0) 1592 772124.

## SPOTLIGHT Pulling Eye

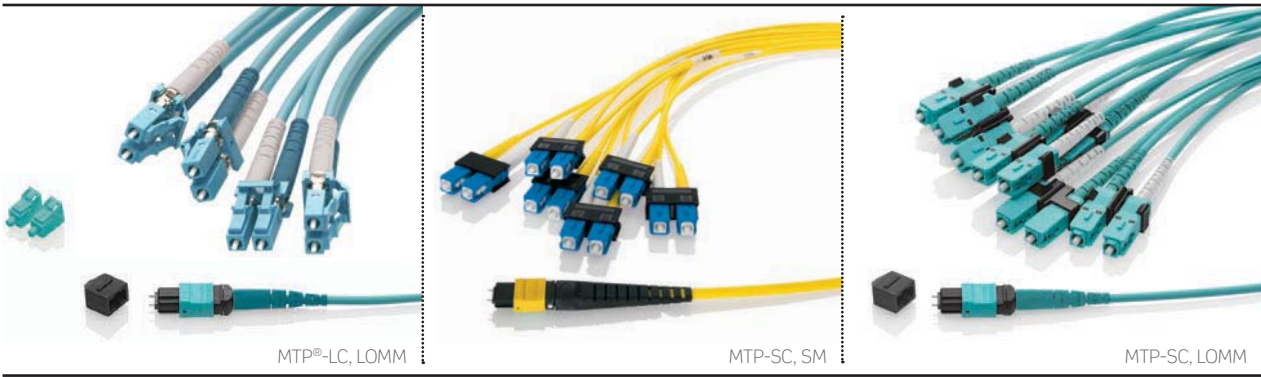


The pulling eye protects fibre connectors on 12- through 144-fibre trunk cables. It completely covers the breakout length, transferring any pulling force from the assembly to the pulling eye sleeve. Customers can specify which end to have the pulling eye installed.

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

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# PRE-TERMINATED CABLE ASSEMBLIES | Harnesses



## HARNESSES

- Pre-terminated MTP-to-discrete connectors (LC, SC, ST) in all fibre 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 labelled with serial number and length for traceability and easy re-order
- Small diameter cable for dense connectivity
- Available with optional reversing polarity LC Uniboot



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

For assistance customizing your harnesses, please visit [Brand-Rex.com/products/configurator](http://Brand-Rex.com/products/configurator) or call Customer Service at +44 (0) 1592 772124.

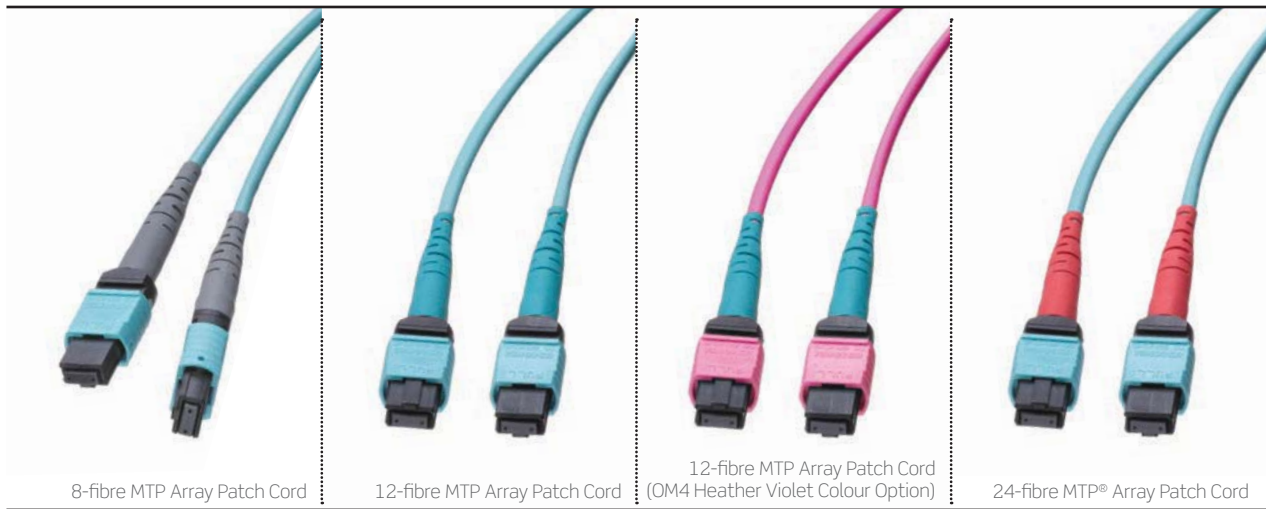
## SPOTLIGHT

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



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



Pre-Terminated Cable Assemblies  
**FIBRE**

## 40/100G MTP ARRAY CORDS

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



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

## SPOTLIGHT

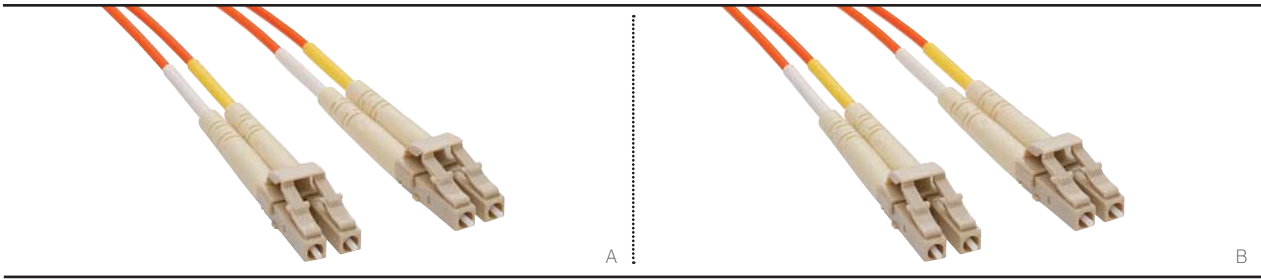
### Helping DE-CIX Connect the World

**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 customised OM4 fibre 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.



# PRE-TERMINATED CABLE ASSEMBLIES | Multimode Patch Cords



## MULTIMODE OPTICAL PATCH CORDS

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

### 62.5/125 OM1 MULTIMODE OPTICAL PATCH CORDS

DESCRIPTION	1M	2M	3M	5M
FC - FC Duplex	HOPFC062010FC291	HOPFC062020FC291	HOPFC062030FC291	HOPFC062050FC291
LC - SC Duplex	HOPLC062010SC293	HOPLC062020SC293	HOPLC062030SC293	HOPLC062050SC293
LC - ST Duplex	HOPLC062010ST293	HOPLC062020ST293	HOPLC062030ST293	HOPLC062050ST293
<b>[A]</b> LC - LC Duplex	HOPLC062010LC293	HOPLC062020LC293	HOPLC062030LC293	HOPLC062050LC293
SC - SC Duplex	HOPSC062010SC291	HOPSC062020SC291	HOPSC062030SC291	HOPSC062050SC291
SC - ST Duplex	HOPSC062010ST291	HOPSC062020ST291	HOPSC062030ST291	HOPSC062050ST291
ST - ST Duplex	HOPST062010ST291	HOPST062020ST291	HOPST062030ST291	HOPST062050ST291

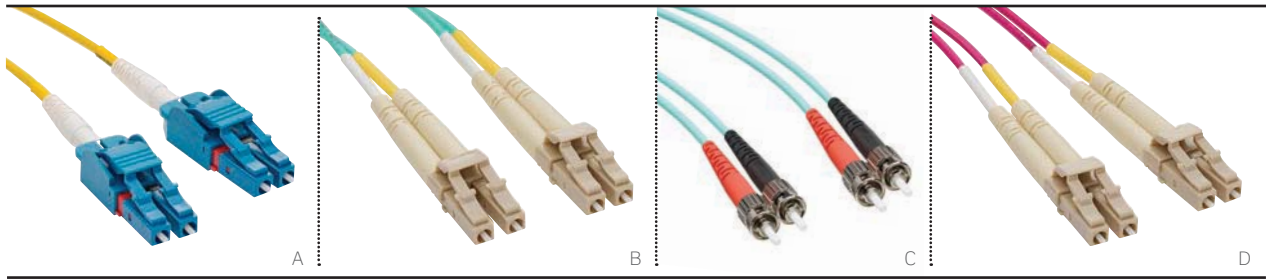
### 50/125 OM2 MULTIMODE OPTICAL PATCH CORDS

FC - FC Duplex	HOPFC050010FC291	HOPFC050020FC291	HOPFC050030FC291	HOPFC050050FC291
LC - SC Duplex	HOPLC050010SC293	HOPLC050020SC293	HOPLC050030SC293	HOPLC050050SC293
LC - ST Duplex	HOPLC050010ST293	HOPLC050020ST293	HOPLC050030ST293	HOPLC050050ST293
<b>[B]</b> LC - LC Duplex	HOPLC050010LC293	HOPLC050020LC293	HOPLC050030LC293	HOPLC050050LC293
SC - SC Duplex	HOPSC050010SC291	HOPSC050020SC291	HOPSC050030SC291	HOPSC050050SC291
SC - ST Duplex	HOPSC050010ST291	HOPSC050020ST291	HOPSC050030ST291	HOPSC050050ST291
ST - ST Duplex	HOPST050010ST291	HOPST050020ST291	HOPST050030ST291	HOPST050050ST291

Manufactured to comply with: ISO/IEC 11801, EN50173 -1, ANSI/TIA-568-C



# PRE-TERMINATED CABLE ASSEMBLIES | Multimode Patch Cords



## MULTIMODE OPTICAL PATCH CORDS

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

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

DESCRIPTION	1M	2M	3M	4M	5M
<b>[A]</b> 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)

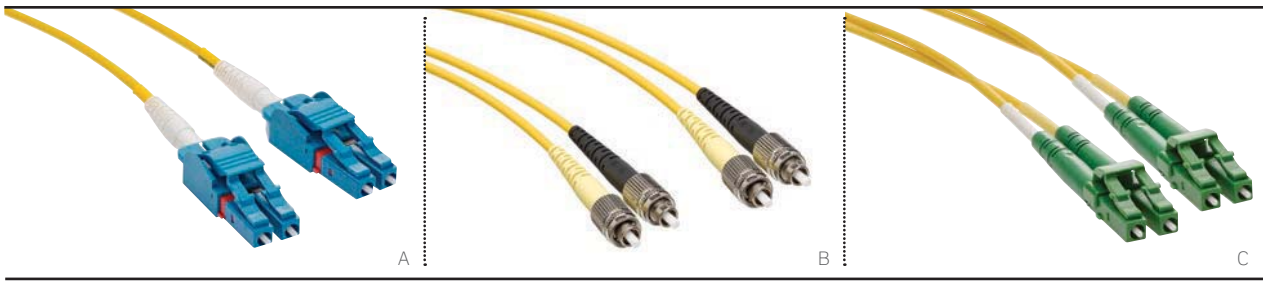
DESCRIPTION	1M	2M	3M	5M
FC - FC Duplex	HOPFCOM3010FC251	HOPFCOM3020FC251	HOPFCOM3030FC251	HOPFCOM3050FC251
LC - SC Duplex	HOPLCOM3010SC253	HOPLCOM3020SC253	HOPLCOM3030SC253	HOPLCOM3050SC253
LC - ST Duplex	HOPLCOM3010ST253	HOPLCOM3020ST253	HOPLCOM3030ST253	HOPLCOM3050ST253
<b>[B]</b> LC - LC Duplex	HOPLCOM3010LC253	HOPLCOM3020LC253	HOPLCOM3030LC253	HOPLCOM3050LC253
SC - SC Duplex	HOPSCOM3010SC251	HOPSCOM3020SC251	HOPSCOM3030SC251	HOPSCOM3050SC251
SC - ST Duplex	HOPSCOM3010ST251	HOPSCOM3020ST251	HOPSCOM3030ST251	HOPSCOM3050ST251
<b>[C]</b> ST - ST Duplex	HOPSTOM3010ST251	HOPSTOM3020ST251	HOPSTOM3030ST251	HOPSTOM3050ST251

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

DESCRIPTION	1M	2M	3M	5M
FC - FC Duplex	HOPFCOM4010FC271	HOPFCOM4020FC271	HOPFCOM4030FC271	HOPFCOM4050FC271
LC - SC Duplex	HOPLCOM4010SC273	HOPLCOM4020SC273	HOPLCOM4030SC273	HOPLCOM4050SC273
LC - ST Duplex	HOPLCOM4010ST273	HOPLCOM4020ST273	HOPLCOM4030ST273	HOPLCOM4050ST273
<b>[D]</b> LC - LC Duplex	HOPLCOM4010LC273	HOPLCOM4020LC273	HOPLCOM4030LC273	HOPLCOM4050LC273
SC - SC Duplex	HOPSCOM4010SC271	HOPSCOM4020SC271	HOPSCOM4030SC271	HOPSCOM4050SC271
SC - ST Duplex	HOPSCOM4010ST271	HOPSCOM4020ST271	HOPSCOM4030ST271	HOPSCOM4050ST271
ST - ST Duplex	HOPSTOM4010ST271	HOPSTOM4020ST271	HOPSTOM4030ST271	HOPSTOM4050ST271

Manufactured to comply with: ISO/IEC 11801, EN50173-1, ANSI/TIA-568-C

# PRE-TERMINATED CABLE ASSEMBLIES | Single-Mode Patch Cords



## SINGLE-MODE OPTICAL PATCH CORDS

- LC, SC, FC, 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 labelled

### SINGLE-MODE BEND INSENSITIVE OPTICAL PATCH CORDS WITH UNIBOOT

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

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

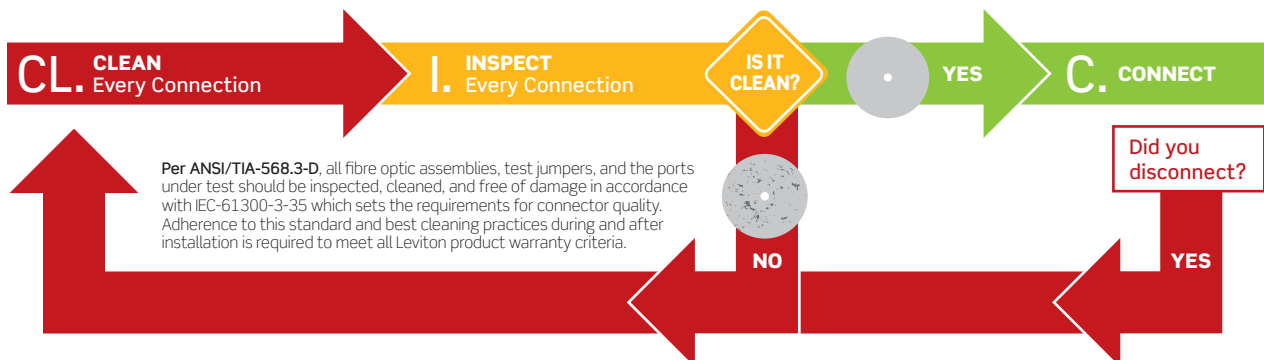
DESCRIPTION	1M	2M	3M	5M
[B] FC - FC Duplex	HOPFC008010FC201	HOPFC008020FC201	HOPFC008030FC201	HOPFC008050FC201
LC - SC Duplex	HOPLC008010SC203	HOPLC008020SC203	HOPLC008030SC203	HOPLC008050SC203
LC - ST Duplex	HOPLC008010ST203	HOPLC008020ST203	HOPLC008030ST203	HOPLC008050ST203
LC - LC Duplex	HOPLC008010LC203	HOPLC008020LC203	HOPLC008030LC203	HOPLC008050LC203
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

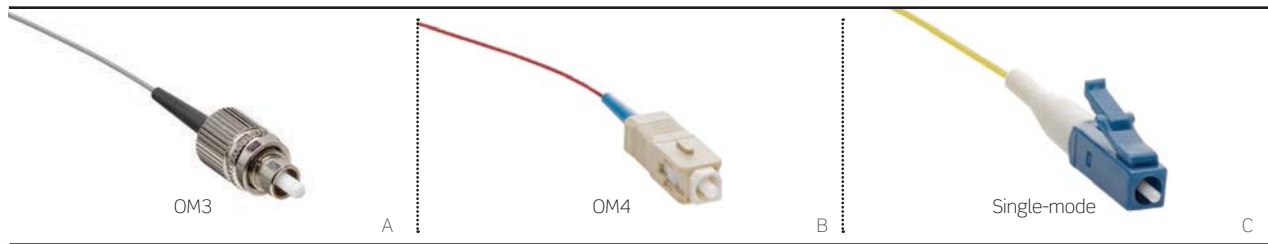
Manufactured to comply with: ISO/IEC 11801, EN50173 -1, ANSI/TIA-568-C

\* = Also available as 10 metre Optical Patch Cords

## SPOTLIGHT

Before you Connect – CL.I.C.





**SINGLE-MODE AND MULTIMODE OPTICAL PIGTAILS**

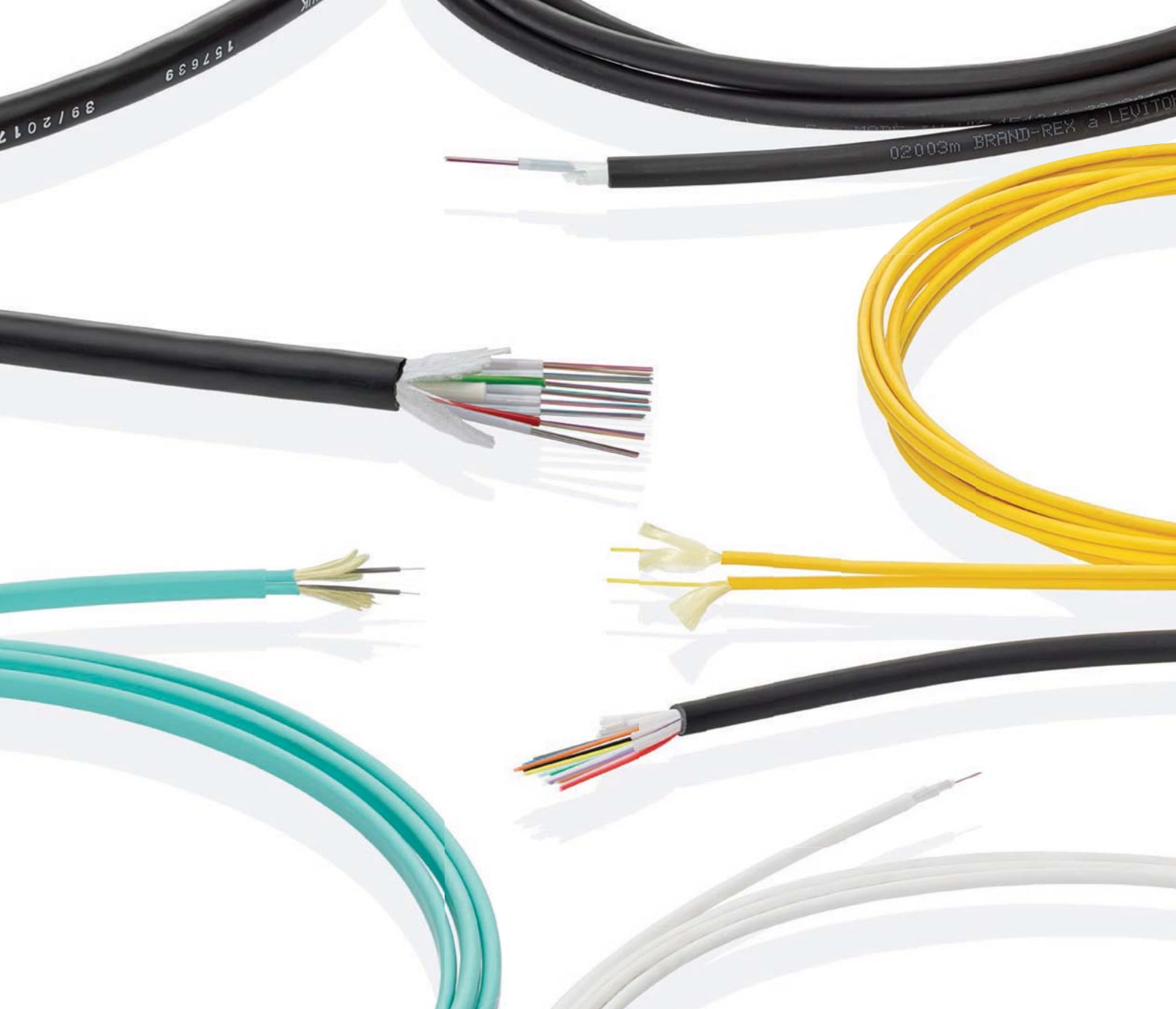
- OM1, OM2, OM3, OM4, and single-mode
- LC, SC, FC, and ST options available
- UPC or APC polish options
- Low-Smoke Halogen Free (LSHF/LSZH)
- 900 µm tight-buffered cores

250 µm pigtails are also available. See page B30 for details.

Pre-Terminated Cable Assemblies  
**FIBRE**

SINGLE-MODE AND MULTIMODE OPTICAL PIGTAILS						
1 METRE	OM1	OM2	OM3	OM4	SINGLE-MODE	
FC - 1 m	HOTFC062001	HOTFC050001	[A] HOTFCOM3001	HOTFCOM4001	HOTFC008001	
SC - 1 m	HOTSC062001	HOTSC050001	HOTSCOM3001	[B] HOTSCOM4001	HOTSC008001	
ST - 1 m	HOTST062001	HOTST050001	HOTSTOM3001	HOTSTOM4001	HOTST008001	
LC - 1 m	HOTLC062001	HOTLC050001	HOTLCOM3001	HOTLCOM4001	[C]	HOTLC008001
SC/APC - 1 m	—	—	—	—	HOTAC008001	
LC/APC - 1 m	—	—	—	—	HOTAL008001	
SC/UPC - 1 m	—	—	—	—	HOTUC008001	
LC/UPC - 1 m	—	—	—	—	HOTUL008001	
2 METRE	OM1	OM2	OM3	OM4	SINGLE-MODE	
FC - 2 m	HOTFC062002	HOTFC050002	HOTFCOM3002	HOTFCOM4002	HOTFC008002	
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 METRE	OM1	OM2	OM3	OM4	SINGLE-MODE	
FC - 3 m	HOTFC062003	HOTFC050003	HOTFCOM3003	HOTFCOM4003	HOTFC008003	
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-C



## 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 fibre type. This is dependent upon the transmission distance and the protocol being adopted. With the choice of fibre type complete, there will be several key cable construction questions.

### FIBRE COUNT

**How many fibres 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 fibre on day one.

A high fibre-count cable carrying the majority of a company's data generates a larger risk than several lower fibre-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 includes EuroClass levels (Eca, Dca, Cca and B2ca), creating a hierarchical system for defining fire safety performance requirements, shown in the table below. For more information about CPR, see page A38.

**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 metres into the building, depending on local regulations.

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

## CABLE OPTIONS

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

**Loose-Tube Cables** are constructed with gel filled elements and provide higher fibre 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 fibres and multi-loose-tube products are available with up to 216 fibres as standard, although higher fibre counts are available on request.

# OPTICAL CABLES | Distribution & Ruggedized Cables



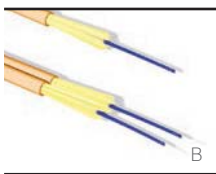
## TIGHT-BUFFERED PREMISE DISTRIBUTION CABLES

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

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

DESCRIPTION	LEVITON PART NO.	BRAND-REX PART NO.
Multimode OM1 Premise Distribution Cable LSHF/LSZH, EuroClass B2ca	—	GF062PDCxxLU-B2ca
Multimode OM1 Premise Distribution Cable LSHF/LSZH, EuroClass Dca	—	GF062PDCxxLU-Dca
Multimode OM1 Premise Distribution Cable LSHF/LSZH, EuroClass Eca	—	GF062PDCxxLU-Eca
Multimode OM2 Premise Distribution Cable LSHF/LSZH, EuroClass B2ca	—	GF050PDCxxLU-B2ca
Multimode OM2 Premise Distribution Cable LSHF/LSZH, EuroClass Dca	—	GF050PDCxxLU-Dca
Multimode OM2 Premise Distribution Cable LSHF/LSZH, EuroClass Eca	120-50DRZ-xx2	GF050PDCxxLU-Eca
Multimode OM3 Premise Distribution Cable LSHF/LSZH, EuroClass B2ca	—	GFOM3PDCxxLU-B2ca
Multimode OM3 Premise Distribution Cable LSHF/LSZH, EuroClass Dca	—	GFOM3PDCxxLU-Dca
Multimode OM3 Premise Distribution Cable LSHF/LSZH, EuroClass Eca	120-5LDRZ-xx2	GFOM3PDCxxLU-Eca
Multimode OM4 Premise Distribution Cable LSHF/LSZH, EuroClass B2ca	—	GFOM4PDCxxLU-B2ca
Multimode OM4 Premise Distribution Cable LSHF/LSZH, EuroClass Dca	—	GFOM4PDCxxLU-Dca
Multimode OM4 Premise Distribution Cable LSHF/LSZH, EuroClass Eca	120-55DRZ-xx2	GFOM4PDCxxLU-Eca
Single-Mode G.652.D Premise Distribution Cable LSHF/LSZH, EuroClass B2ca	—	GF008PDCxxLU-B2ca
Single-Mode G.652.D Premise Distribution Cable LSHF/LSZH, EuroClass Dca	—	GF008PDCxxLU-Dca
Single-Mode G.652.D Premise Distribution Cable LSHF/LSZH, EuroClass Eca	120-SMDRZ-xx2	GF008PDCxxLU-Eca

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

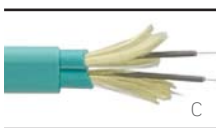


## RUGGEDIZED FIBRE PATCH CABLES

- Used in the manufacture of patch cords
- Designed for short-run indoor patching or where frequent handling is likely
- Colour coded for ease of identification during and post installation
- Comes in both single fibre (SFC) and duplex fibre (ZIP) constructions

### [B] RUGGEDIZED FIBRE PATCH CABLES

DESCRIPTION	OM1	OM2	OM3	OM4	SINGLE-MODE
1-Fibre	HF062SFC01L	HF050SFC01L	HFOM3SFC01L	HFOM4SFC01L	HF008SFC01L
2-Fibre	HF062ZIP02L	HF050ZIP02L	HFOM3ZIP02L	HFOM4ZIP02L	HF008ZIP02L



## RUGGEDIZED DUPLEX BREAKOUT CABLES

- Ruggedized duplex fibre cable is the building block for ruggedized pigtail and patch cords
- Robust construction designed for short-run indoor patching or where frequent handling is likely such as in equipment rooms, wiring closets, and at user outlets

### [C] RUGGEDIZED DUPLEX BREAKOUT CABLES

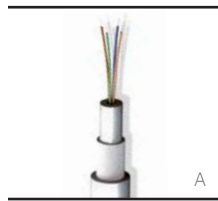
DESCRIPTION	OM1	OM2	OM3	OM4	SINGLE-MODE
2-Fibre	HF062DUP02L	HF050DUP02L	HFOM3DUP02L	HFOM4DUP02L	HF008DUP02L

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

## LOOSE-TUBE CABLES

Loose-tube cables are available in unitube or multi-loose-tube constructions. Multi-loose-tube cables are available in variations up to 216 fibres. 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: Polyethylene for external applications, and Low-Smoke Halogen Free (LSHF/LSZH) for universal or internal 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. Bespoke loose-tube cables to client specifications with additional features or modified mechanical performance are available on request subject to MOQ and lead-time.

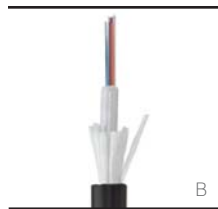


### MINI UNITUBE CABLE

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

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

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



### DUCT-GRADE UNITUBE CABLES

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

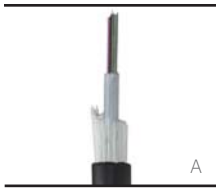
#### [B] DUCT-GRADE UNITUBE CABLES

UNIVERSAL	LEVITON PART NO.	BRAND-REX PART NO.
OM1, LSHF/LSZH, EuroClass Dca	—	GF062UNlxxLU-Dca
OM1, LSHF/LSZH, EuroClass Eca	—	GF062UNlxxLU-Eca
OM2, LSHF/LSZH, EuroClass Dca	—	GF050UNlxxLU-Dca
OM2, LSHF/LSZH, EuroClass Eca	121-50LRZ-xx2	GF050UNlxxLU-Eca
OM3, LSHF/LSZH, EuroClass Dca	—	GFOM3UNlxxLU-Dca
OM3, LSHF/LSZH, EuroClass Eca	121-5LLRZ-xx2	GFOM3UNlxxLU-Eca
OM4, LSHF/LSZH, EuroClass Dca	—	GFOM4UNlxxLU-Dca
OM4, LSHF/LSZH, EuroClass Eca	121-55LRZ-xx2	GFOM4UNlxxLU-Eca
Single-Mode, LSHF/LSZH, EuroClass Dca	—	GF008UNlxxLU-Dca
Single-Mode, LSHF/LSZH, EuroClass Eca	121-SMLRZ-xx2	GF008UNlxxLU-Eca
EXTERNAL		BRAND-REX PART NO.
OM1		GF062UNlxxNM
OM2		GF050UNlxxNM
OM3		GFOM3UNlxxNM
OM4		GFOM4UNlxxNM
Single-Mode		GF008UNlxxNM

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

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

# OPTICAL CABLES | Loose-Tube Cables



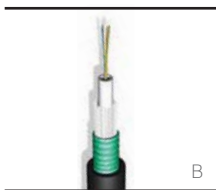
## GLASS YARN ARMoured UNITUBE CABLE

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

### [A] GLASS YARN ARMoured UNITUBE CABLE

UNIVERSAL	LEVITON PART NO.	BRAND-REX PART NO.
OM1, LSHF/LSZH, EuroClass Dca	—	GF062UNlxxRRLU-Dca
OM1, LSHF/LSZH, EuroClass Eca	—	GF062UNlxxRRLU-Eca
OM2, LSHF/LSZH, EuroClass Dca	—	GF050UNlxxRRLU-Dca
OM2, LSHF/LSZH, EuroClass Eca	122-500LZ-xx2	GF050UNlxxRRLU-Eca
OM3, LSHF/LSZH, EuroClass Dca	—	GFOM3UNlxxRRLU-Dca
OM3, LSHF/LSZH, EuroClass Eca	122-5L0LZ-xx2	GFOM3UNlxxRRLU-Eca
OM4, LSHF/LSZH, EuroClass Dca	—	GFOM4UNlxxRRLU-Dca
OM4, LSHF/LSZH, EuroClass Eca	122-550LZ-xx2	GFOM4UNlxxRRLU-Eca
Single-Mode, LSHF/LSZH, EuroClass Dca	—	GF008UNlxxRRLU-Dca
Single-Mode, LSHF/LSZH, EuroClass Eca	122-SM0LZ-xx2	GF008UNlxxRRLU-Eca
EXTERNAL		BRAND-REX PART NO.
OM1		GF062UNlxxRRNM
OM2		GF050UNlxxRRNM
OM3		GFOM3UNlxxRRNM
OM4		GFOM4UNlxxRRNM
Single-Mode		GF008UNlxxRRNM

xx = Fibre 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 colour is black

### [B] STEEL TAPE ARMoured UNITUBE CABLES

UNIVERSAL		BRAND-REX PART NO.
OM1, EuroClass Eca		GF062UNlxxSTALU-Eca
OM2, EuroClass Eca		GF050UNlxxSTALU-Eca
OM3, EuroClass Eca		GFOM3UNlxxSTALU-Eca
OM4, EuroClass Eca		GFOM4UNlxxSTALU-Eca
Single-Mode, EuroClass Eca		GF008UNlxxSTALU-Eca
EXTERNAL	LEVITON PART NO.	BRAND-REX PART NO.
OM1	—	GF062UNlxxSTANM
OM2	121-50LAZ-xx2	GF050UNlxxSTANM
OM3	124-5LLAZ-xx2	GFOM3UNlxxSTANM
OM4	123-55LAZ-xx2	GFOM4UNlxxSTANM
Single-Mode	122-SMLAZ-xx2	GF008UNlxxSTANM

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

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





## TWIN-SHEATH STEEL-TAPE ARMoured UNITUBE CABLES

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

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

UNIVERSAL EUROCLASS ECA	OM1	OM2	OM3	OM4	SINGLE-MODE
4-Fibre	GF062UNI04LSTALU-Eca	GF050UNI04LSTALU-Eca	GFOM3UNI04LSTALU-Eca	GFOM4UNI04LSTALU-Eca	GF008UNI04LSTALU-Eca
6-Fibre	GF062UNI06LSTALU-Eca	GF050UNI06LSTALU-Eca	GFOM3UNI06LSTALU-Eca	GFOM4UNI06LSTALU-Eca	GF008UNI06LSTALU-Eca
8-Fibre	GF062UNI08LSTALU-Eca	GF050UNI08LSTALU-Eca	GFOM3UNI08LSTALU-Eca	GFOM4UNI08LSTALU-Eca	GF008UNI08LSTALU-Eca
12-Fibre	GF062UNI12LSTALU-Eca	GF050UNI12LSTALU-Eca	GFOM3UNI12LSTALU-Eca	GFOM4UNI12LSTALU-Eca	GF008UNI12LSTALU-Eca
16-Fibre (2 x bundles)	GF062UNI16LSTALU-Eca	GF050UNI16LSTALU-Eca	GFOM3UNI16LSTALU-Eca	GFOM4UNI16LSTALU-Eca	GF008UNI16LSTALU-Eca
24-Fibre (2 x bundles)	GF062UNI24LSTALU-Eca	GF050UNI24LSTALU-Eca	GFOM3UNI24LSTALU-Eca	GFOM4UNI24LSTALU-Eca	GF008UNI24LSTALU-Eca
EXTERNAL	OM1	OM2	OM3	OM4	SINGLE-MODE
4-Fibre	GF062UNI04NMSTANM	GF050UNI04NMSTANM	GFOM3UNI04NMSTANM	GFOM4UNI04NMSTANM	GF008UNI04NMSTANM
6-Fibre	GF062UNI06NMSTANM	GF050UNI06NMSTANM	GFOM3UNI06NMSTANM	GFOM4UNI06NMSTANM	GF008UNI06NMSTANM
8-Fibre	GF062UNI08NMSTANM	GF050UNI08NMSTANM	GFOM3UNI08NMSTANM	GFOM4UNI08NMSTANM	GF008UNI08NMSTANM
12-Fibre	GF062UNI12NMSTANM	GF050UNI12NMSTANM	GFOM3UNI12NMSTANM	GFOM4UNI12NMSTANM	GF008UNI12NMSTANM
16-Fibre (2 x bundles)	GF062UNI16NMSTANM	GF050UNI16NMSTANM	GFOM3UNI16NMSTANM	GFOM4UNI16NMSTANM	GF008UNI16NMSTANM
24-Fibre (2 x bundles)	GF062UNI24NMSTANM	GF050UNI24NMSTANM	GFOM3UNI24NMSTANM	GFOM4UNI24NMSTANM	GF008UNI24NMSTANM



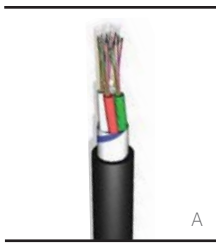
## DUCT-GRADE MULTI-LOOSE-TUBE CABLE UP TO 24 FIBRES

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

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

UNIVERSAL EUROCLASS ECA	OM1	OM2	OM3	OM4	SINGLE-MODE
4-Fibre	HF062S4WLU-Eca 4FT	HF050S4WLU-Eca 4FT	HFOM3S4WLU-Eca 4FT	HFOM4S4WLU-Eca 4FT	HF008S4WLU-Eca 4FT
8-Fibre	HF062S8WLU-Eca 4FT	HF050S8WLU-Eca 4FT	HFOM3S8WLU-Eca 4FT	HFOM4S8WLU-Eca 4FT	HF008S8WLU-Eca 4FT
12-Fibre	HF062S12WLU-Eca 4FT	HF050S12WLU-Eca 4FT	HFOM3S12WLU-Eca 4FT	HFOM4S12WLU-Eca 4FT	HF008S12WLU-Eca 4FT
16-Fibre	HF062S16WLU-Eca 4FT	HF050S16WLU-Eca 4FT	HFOM3S16WLU-Eca 4FT	HFOM4S16WLU-Eca 4FT	HF008S16WLU-Eca 4FT
20-Fibre	HF062S20WLU-Eca 4FT	HF050S20WLU-Eca 4FT	HFOM3S20WLU-Eca 4FT	HFOM4S20WLU-Eca 4FT	HF008S20WLU-Eca 4FT
24-Fibre	HF062S24WLU-Eca 4FT	HF050S24WLU-Eca 4FT	HFOM3S24WLU-Eca 4FT	HFOM4S24WLU-Eca 4FT	HF008S24WLU-Eca 4FT
EXTERNAL	OM1	OM2	OM3	OM4	SINGLE-MODE
4-Fibre	HF062S4WNM 4FT	HF050S4WNM 4FT	HFOM3S4WNM 4FT	HFOM4S4WNM 4FT	HF008S4WNM 4FT
8-Fibre	HF062S8WNM 4FT	HF050S8WNM 4FT	HFOM3S8WNM 4FT	HFOM4S8WNM 4FT	HF008S8WNM 4FT
12-Fibre	HF062S12WNM 4FT	HF050S12WNM 4FT	HFOM3S12WNM 4FT	HFOM4S12WNM 4FT	HF008S12WNM 4FT
16-Fibre	HF062S16WNM 4FT	HF050S16WNM 4FT	HFOM3S16WNM 4FT	HFOM4S16WNM 4FT	HF008S16WNM 4FT
20-Fibre	HF062S20WNM 4FT	HF050S20WNM 4FT	HFOM3S20WNM 4FT	HFOM4S20WNM 4FT	HF008S20WNM 4FT
24-Fibre	HF062S24WNM 4FT	HF050S24WNM 4FT	HFOM3S24WNM 4FT	HFOM4S24WNM 4FT	HF008S24WNM 4FT

# OPTICAL CABLES | Loose-Tube Cables

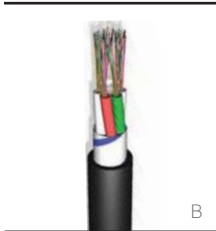


## DUCT-GRADE MULTI-LOOSE-TUBE CABLE 12-60 FIBRES

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

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

UNIVERSAL EUROCLASS ECA	OM1	OM2	OM3	OM4	SINGLE-MODE
12-Fibre	GF062S12WLU-Eca	GF050S12WLU-Eca	GFOM3S12WLU-Eca	GFOM4S12WLU-Eca	GF008S12WLU-Eca
24-Fibre	GF062S24WLU-Eca	GF050S24WLU-Eca	GFOM3S24WLU-Eca	GFOM4S24WLU-Eca	GF008S24WLU-Eca
36-Fibre	GF062S36WLU-Eca	GF050S36WLU-Eca	GFOM3S36WLU-Eca	GFOM4S36WLU-Eca	GF008S36WLU-Eca
48-Fibre	GF062S48WLU-Eca	GF050S48WLU-Eca	GFOM3S48WLU-Eca	GFOM4S48WLU-Eca	GF008S48WLU-Eca
60-Fibre	GF062S60WLU-Eca	GF050S60WLU-Eca	GFOM3S60WLU-Eca	GFOM4S60WLU-Eca	GF008S60WLU-Eca
EXTERNAL	OM1	OM2	OM3	OM4	SINGLE-MODE
12-fibre	GF062S12WNM	GF050S12WNM	GFOM3S12WNM	GFOM4S12WNM	GF008S12WNM
24-fibre	GF062S24WNM	GF050S24WNM	GFOM3S24WNM	GFOM4S24WNM	GF008S24WNM
36-fibre	GF062S36WNM	GF050S36WNM	GFOM3S36WNM	GFOM4S36WNM	GF008S36WNM
48-fibre	GF062S48WNM	GF050S48WNM	GFOM3S48WNM	GFOM4S48WNM	GF008S48WNM
60-fibre	GF062S60WNM	GF050S60WNM	GFOM3S60WNM	GFOM4S60WNM	GF008S60WNM



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

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

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

UNIVERSAL EUROCLASS ECA	OM1	OM2	OM3	OM4	SINGLE-MODE
72-Fibre	HF062S72WLU-Eca	HF050S72WLU-Eca	HFOM3S72WLU-Eca	HFOM4S72WLU-Eca	HF008S72WLU-Eca
EXTERNAL	OM1	OM2	OM3	OM4	SINGLE-MODE
72-Fibre	HF062S72WNM	HF050S72WNM	HFOM3S72WNM	HFOM4S72WNM	HF008S72WNM



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

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

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

UNIVERSAL EUROCLASS ECA	OM1	OM2	OM3	OM4	SINGLE-MODE
84-Fibre	HF062S84WLU-Eca	HF050S84WLU-Eca	HFOM3S84WLU-Eca	HFOM4S84WLU-Eca	HF008S84WLU-Eca
96-Fibre	HF062S96WLU-Eca	HF050S96WLU-Eca	HFOM3S96WLU-Eca	HFOM4S96WLU-Eca	HF008S96WLU-Eca
EXTERNAL	OM1	OM2	OM3	OM4	SINGLE-MODE
84-Fibre	HF062S84WNM	HF050S84WNM	HFOM3S84WNM	HFOM4S84WNM	HF008S84WNM
96-Fibre	HF062S96WNM	HF050S96WNM	HFOM3S96WNM	HFOM4S96WNM	HF008S96WNM



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

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

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

UNIVERSAL EUROCLASS ECA	OM1	OM2	OM3	OM4	SINGLE-MODE
108-Fibre	HF062S108WLU-Eca	HF050S108WLU-Eca	HFOM3S108WLU-Eca	HFOM4S108WLU-Eca	HF008S108WLU-Eca
120-Fibre	HF062S120WLU-Eca	HF050S120WLU-Eca	HFOM3S120WLU-Eca	HFOM4S120WLU-Eca	HF008S120WLU-Eca
132-Fibre	HF062S132WLU-Eca	HF050S132WLU-Eca	HFOM3S132WLU-Eca	HFOM4S132WLU-Eca	HF008S132WLU-Eca
144-Fibre	HF062S144WLU-Eca	HF050S144WLU-Eca	HFOM3S144WLU-Eca	HFOM4S144WLU-Eca	HF008S144WLU-Eca
EXTERNAL	OM1	OM2	OM3	OM4	SINGLE-MODE
108-Fibre	HF062S108WNM	HF050S108WNM	HFOM3S108WNM	HFOM4S108WNM	HF008S108WNM
120-Fibre	HF062S120WNM	HF050S120WNM	HFOM3S120WNM	HFOM4S120WNM	HF008S120WNM
132-Fibre	HF062S132WNM	HF050S132WNM	HFOM3S132WNM	HFOM4S132WNM	HF008S132WNM
144-Fibre	HF062S144WNM	HF050S144WNM	HFOM3S144WNM	HFOM4S144WNM	HF008S144WNM



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

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

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

UNIVERSAL EUROCLASS ECA	OM1	OM2	OM3	OM4	SINGLE-MODE
156-Fibre	HF062S156WLU-Eca	HF050S156WLU-Eca	HFOM3S156WLU-Eca	HFOM4S156WLU-Eca	HF008S156WLU-Eca
168-Fibre	HF062S168WLU-Eca	HF050S168WLU-Eca	HFOM3S168WLU-Eca	HFOM4S168WLU-Eca	HF008S168WLU-Eca
180-Fibre	HF062S180WLU-Eca	HF050S180WLU-Eca	HFOM3S180WLU-Eca	HFOM4S180WLU-Eca	HF008S180WLU-Eca
192-Fibre	HF062S192WLU-Eca	HF050S192WLU-Eca	HFOM3S192WLU-Eca	HFOM4S192WLU-Eca	HF008S192WLU-Eca
204-Fibre	HF062S204WLU-Eca	HF050S204WLU-Eca	HFOM3S204WLU-Eca	HFOM4S204WLU-Eca	HF008S204WLU-Eca
216-Fibre	HF062S216WLU-Eca	HF050S216WLU-Eca	HFOM3S216WLU-Eca	HFOM4S216WLU-Eca	HF008S216WLU-Eca
EXTERNAL	OM1	OM2	OM3	OM4	SINGLE-MODE
156-Fibre	HF062S156WNM	HF050S156WNM	HFOM3S156WNM	HFOM4S156WNM	HF008S156WNM
168-Fibre	HF062S168WNM	HF050S168WNM	HFOM3S168WNM	HFOM4S168WNM	HF008S168WNM
180-Fibre	HF062S180WNM	HF050S180WNM	HFOM3S180WNM	HFOM4S180WNM	HF008S180WNM
192-Fibre	HF062S192WNM	HF050S192WNM	HFOM3S192WNM	HFOM4S192WNM	HF008S192WNM
204-Fibre	HF062S204WNM	HF050S204WNM	HFOM3S204WNM	HFOM4S204WNM	HF008S204WNM
216-Fibre	HF062S216WNM	HF050S216WNM	HFOM3S216WNM	HFOM4S216WNM	HF008S216WNM

# OPTICAL CABLES | Loose-Tube Cables



## GLASS YARN ARMoured RODENT-RESISTANT MULTI-LOOSE-TUBE CABLE UP TO 24 FIBRES

- For applications where rodent protection and high 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 fibres and solid fillers
- Stranded around a rigid glass non-metallic central-strength member
- Layer of water-blocking tape provides interstitial water blocking
- Cable colour is black

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

UNIVERSAL EUROCLASS ECA	OM1	OM2	OM3	OM4	SINGLE-MODE
4-Fibre	HF062S4WRRU-Eca 4FT	HF050S4WRRU-Eca 4FT	HFOM3S4WRRU-Eca 4FT	HFOM4S4WRRU-Eca 4FT	HF008S4WRRU-Eca 4FT
8-Fibre	HF062S8WRRU-Eca 4FT	HF050S8WRRU-Eca 4FT	HFOM3S8WRRU-Eca 4FT	HFOM4S8WRRU-Eca 4FT	HF008S8WRRU-Eca 4FT
12-Fibre	HF062S12WRRU-Eca 4FT	HF050S12WRRU-Eca 4FT	HFOM3S12WRRU-Eca 4FT	HFOM4S12WRRU-Eca 4FT	HF008S12WRRU-Eca 4FT
16-Fibre	HF062S16WRRU-Eca 4FT	HF050S16WRRU-Eca 4FT	HFOM3S16WRRU-Eca 4FT	HFOM4S16WRRU-Eca 4FT	HF008S16WRRU-Eca 4FT
24-Fibre	HF062S24WRRU-Eca 4FT	HF050S24WRRU-Eca 4FT	HFOM3S24WRRU-Eca 4FT	HFOM4S24WRRU-Eca 4FT	HF008S24WRRU-Eca 4FT
EXTERNAL	OM1	OM2	OM3	OM4	SINGLE-MODE
4-Fibre	HF062S4WRRNM 4FT	HF050S4WRRNM 4FT	HFOM3S4WRRNM 4FT	HFOM4S4WRRNM 4FT	HF008S4WRRNM 4FT
8-Fibre	HF062S8WRRNM 4FT	HF050S8WRRNM 4FT	HFOM3S8WRRNM 4FT	HFOM4S8WRRNM 4FT	HF008S8WRRNM 4FT
12-Fibre	HF062S12WRRNM 4FT	HF050S12WRRNM 4FT	HFOM3S12WRRNM 4FT	HFOM4S12WRRNM 4FT	HF008S12WRRNM 4FT
16-Fibre	HF062S16WRRNM 4FT	HF050S16WRRNM 4FT	HFOM3S16WRRNM 4FT	HFOM4S16WRRNM 4FT	HF008S16WRRNM 4FT
24-Fibre	HF062S24WRRNM 4FT	HF050S24WRRNM 4FT	HFOM3S24WRRNM 4FT	HFOM4S24WRRNM 4FT	HF008S24WRRNM 4FT



## GLASS YARN ARMoured RODENT-RESISTANT MULTI-LOOSE-TUBE CABLE 12-72 FIBRES

- For applications where rodent protection and high-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 fibres and solid fillers
- Stranded around a rigid glass non-metallic central-strength member
- Layer of water-blocking tape provides interstitial water blocking
- Cable colour is black

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

UNIVERSAL EUROCLASS ECA	OM1	OM2	OM3	OM4	SINGLE-MODE
12-Fibre	HF062S12WRRU-Eca	HF050S12WRRU-Eca	HFOM3S12WRRU-Eca	HFOM4S12WRRU-Eca	HF008S12WRRU-Eca
24-Fibre	HF062S24WRRU-Eca	HF050S24WRRU-Eca	HFOM3S24WRRU-Eca	HFOM4S24WRRU-Eca	HF008S24WRRU-Eca
36-Fibre	HF062S36WRRU-Eca	HF050S36WRRU-Eca	HFOM3S36WRRU-Eca	HFOM4S36WRRU-Eca	HF008S36WRRU-Eca
48-Fibre	HF062S48WRRU-Eca	HF050S48WRRU-Eca	HFOM3S48WRRU-Eca	HFOM4S48WRRU-Eca	HF008S48WRRU-Eca
60-Fibre	HF062S60WRRU-Eca	HF050S60WRRU-Eca	HFOM3S60WRRU-Eca	HFOM4S60WRRU-Eca	HF008S60WRRU-Eca
72-Fibre	HF062S72WRRU-Eca	HF050S72WRRU-Eca	HFOM3S72WRRU-Eca	HFOM4S72WRRU-Eca	HF008S72WRRU-Eca
EXTERNAL	OM1	OM2	OM3	OM4	SINGLE-MODE
12-Fibre	HF062S12WRRNM	HF050S12WRRNM	HFOM3S12WRRNM	HFOM4S12WRRNM	HF008S12WRRNM
24-Fibre	HF062S24WRRNM	HF050S24WRRNM	HFOM3S24WRRNM	HFOM4S24WRRNM	HF008S24WRRNM
36-Fibre	HF062S36WRRNM	HF050S36WRRNM	HFOM3S36WRRNM	HFOM4S36WRRNM	HF008S36WRRNM
48-Fibre	HF062S48WRRNM	HF050S48WRRNM	HFOM3S48WRRNM	HFOM4S48WRRNM	HF008S48WRRNM
60-Fibre	HF062S60WRRNM	HF050S60WRRNM	HFOM3S60WRRNM	HFOM4S60WRRNM	HF008S60WRRNM
72-Fibre	HF062S72WRRNM	HF050S72WRRNM	HFOM3S72WRRNM	HFOM4S72WRRNM	HF008S72WRRNM



## GLASS YARN ARMoured RODENT-RESISTANT MULTI-LOOSE-TUBE CABLE 84 AND 96 FIBRES

- For applications where rodent protection and higher fibre 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 fibres and solid fillers
- Stranded around a rigid glass non-metallic central-strength member
- Layer of water-blocking tape provides interstitial water blocking
- Cable colour is black

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

UNIVERSAL EUROCLASS ECA	OM1	OM2	OM3	OM4	SINGLE-MODE
84-Fibre	HF062S84WRRRLU-Eca	HF050S84WRRRLU-Eca	HFOM3S84WRRRLU-Eca	HFOM4S84WRRRLU-Eca	HF008S84WRRRLU-Eca
96-Fibre	HF062S96WRRRLU-Eca	HF050S96WRRRLU-Eca	HFOM3S96WRRRLU-Eca	HFOM4S96WRRRLU-Eca	HF008S96WRRRLU-Eca
EXTERNAL	OM1	OM2	OM3	OM4	SINGLE-MODE
84-Fibre	HF062S84WRRNM	HF050S84WRRNM	HFOM3S84WRRNM	HFOM4S84WRRNM	HF008S84WRRNM
96-Fibre	HF062S96WRRNM	HF050S96WRRNM	HFOM3S96WRRNM	HFOM4S96WRRNM	HF008S96WRRNM



## GLASS YARN ARMoured RODENT-RESISTANT MULTI-LOOSE-TUBE CABLE 108-144 FIBRES

- For applications where rodent protection and high fibre 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 fibres and solid fillers
- Stranded around a sheathed-rigid glass non-metallic central-strength member
- Layer of water-blocking tape provides interstitial water blocking
- Cable colour is black

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

UNIVERSAL EUROCLASS ECA	OM1	OM2	OM3	OM4	SINGLE-MODE
108-Fibre	HF062S108WRRRLU-Eca	HF050S108WRRRLU-Eca	HFOM3S108WRRRLU-Eca	HFOM4S108WRRRLU-Eca	HF008S108WRRRLU-Eca
120-Fibre	HF062S120WRRRLU-Eca	HF050S120WRRRLU-Eca	HFOM3S120WRRRLU-Eca	HFOM4S120WRRRLU-Eca	HF008S120WRRRLU-Eca
132-Fibre	HF062S132WRRRLU-Eca	HF050S132WRRRLU-Eca	HFOM3S132WRRRLU-Eca	HFOM4S132WRRRLU-Eca	HF008S132WRRRLU-Eca
144-Fibre	HF062S144WRRRLU-Eca	HF050S144WRRRLU-Eca	HFOM3S144WRRRLU-Eca	HFOM4S144WRRRLU-Eca	HF008S144WRRRLU-Eca
EXTERNAL	OM1	OM2	OM3	OM4	SINGLE-MODE
108-Fibre	HF062S108WRRNM	HF050S108WRRNM	HFOM3S108WRRNM	HFOM4S108WRRNM	HF008S108WRRNM
120-Fibre	HF062S120WRRNM	HF050S120WRRNM	HFOM3S120WRRNM	HFOM4S120WRRNM	HF008S120WRRNM
132-Fibre	HF062S132WRRNM	HF050S132WRRNM	HFOM3S132WRRNM	HFOM4S132WRRNM	HF008S132WRRNM
144-Fibre	HF062S144WRRNM	HF050S144WRRNM	HFOM3S144WRRNM	HFOM4S144WRRNM	HF008S144WRRNM



## GLASS YARN ARMoured RODENT-RESISTANT MULTI-LOOSE-TUBE CABLE 156-216 FIBRES

- For applications where rodent protection and high fibre 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 fibres and solid fillers
- Stranded around a sheathed-rigid glass non-metallic central-strength member
- Layer of water-blocking tape provides interstitial water blocking
- Cable colour is black

### [A] UNIVERSAL AND EXTERNAL GLASS YARN ARMoured RODENT-RESISTANT MULTI-LOOSE-TUBE CABLES

UNIVERSAL EUROCLASS ECA	OM1	OM2	OM3	OM4	SINGLE-MODE
156-Fibre	HF062S156WRRRLU-Eca	HF050S156WRRRLU-Eca	HFOM3S156WRRRLU-Eca	HFOM4S156WRRRLU-Eca	HF008S156WRRRLU-Eca
168-Fibre	HF062S168WRRRLU-Eca	HF050S168WRRRLU-Eca	HFOM3S168WRRRLU-Eca	HFOM4S168WRRRLU-Eca	HF008S168WRRRLU-Eca
180-Fibre	HF062S180WRRRLU-Eca	HF050S180WRRRLU-Eca	HFOM3S180WRRRLU-Eca	HFOM4S180WRRRLU-Eca	HF008S180WRRRLU-Eca
192-Fibre	HF062S192WRRRLU-Eca	HF050S192WRRRLU-Eca	HFOM3S192WRRRLU-Eca	HFOM4S192WRRRLU-Eca	HF008S192WRRRLU-Eca
204-Fibre	HF062S204WRRRLU-Eca	HF050S204WRRRLU-Eca	HFOM3S204WRRRLU-Eca	HFOM4S204WRRRLU-Eca	HF008S204WRRRLU-Eca
216-Fibre	HF062S216WRRRLU-Eca	HF050S216WRRRLU-Eca	HFOM3S216WRRRLU-Eca	HFOM4S216WRRRLU-Eca	HF008S216WRRRLU-Eca
EXTERNAL	OM1	OM2	OM3	OM4	SINGLE-MODE
156-Fibre	HF062S156WRRNM	HF050S156WRRNM	HFOM3S156WRRNM	HFOM4S156WRRNM	HF008S156WRRNM
168-Fibre	HF062S168WRRNM	HF050S168WRRNM	HFOM3S168WRRNM	HFOM4S168WRRNM	HF008S168WRRNM
180-Fibre	HF062S180WRRNM	HF050S180WRRNM	HFOM3S180WRRNM	HFOM4S180WRRNM	HF008S180WRRNM
192-Fibre	HF062S192WRRNM	HF050S192WRRNM	HFOM3S192WRRNM	HFOM4S192WRRNM	HF008S192WRRNM
204-Fibre	HF062S204WRRNM	HF050S204WRRNM	HFOM3S204WRRNM	HFOM4S204WRRNM	HF008S204WRRNM
216-Fibre	HF062S216WRRNM	HF050S216WRRNM	HFOM3S216WRRNM	HFOM4S216WRRNM	HF008S216WRRNM



## DIRECT-BURIAL STEEL-TAPE ARMoured MULTI-LOOSE-TUBE CABLE UP TO 24 FIBRES

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

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

UNIVERSAL EUROCLASS ECA	OM1	OM2	OM3	OM4	SINGLE-MODE
4-Fibre	HF062S4WSTALU-Eca 4FT	HF050S4WSTALU-Eca 4FT	HFOM3S4WSTALU-Eca 4FT	HFOM4S4WSTALU-Eca 4FT	HF008S4WSTALU-Eca 4FT
8-Fibre	HF062S8WSTALU-Eca 4FT	HF050S8WSTALU-Eca 4FT	HFOM3S8WSTALU-Eca 4FT	HFOM4S8WSTALU-Eca 4FT	HF008S8WSTALU-Eca 4FT
12-Fibre	HF062S12WSTALU-Eca 4FT	HF050S12WSTALU-Eca 4FT	HFOM3S12WSTALU-Eca 4FT	HFOM4S12WSTALU-Eca 4FT	HF008S12WSTALU-Eca 4FT
16-Fibre	HF062S16WSTALU-Eca 4FT	HF050S16WSTALU-Eca 4FT	HFOM3S16WSTALU-Eca 4FT	HFOM4S16WSTALU-Eca 4FT	HF008S16WSTALU-Eca 4FT
24-Fibre	HF062S24WSTALU-Eca 4FT	HF050S24WSTALU-Eca 4FT	HFOM3S24WSTALU-Eca 4FT	HFOM4S24WSTALU-Eca 4FT	HF008S24WSTALU-Eca 4FT
EXTERNAL	OM1	OM2	OM3	OM4	SINGLE-MODE
4-Fibre	HF062S4WSTANM 4FT	HF050S4WSTANM 4FT	HFOM3S4WSTANM 4FT	HFOM4S4WSTANM 4FT	HF008S4WSTANM 4FT
8-Fibre	HF062S8WSTANM 4FT	HF050S8WSTANM 4FT	HFOM3S8WSTANM 4FT	HFOM4S8WSTANM 4FT	HF008S8WSTANM 4FT
12-Fibre	HF062S12WSTANM 4FT	HF050S12WSTANM 4FT	HFOM3S12WSTANM 4FT	HFOM4S12WSTANM 4FT	HF008S12WSTANM 4FT
16-Fibre	HF062S16WSTANM 4FT	HF050S16WSTANM 4FT	HFOM3S16WSTANM 4FT	HFOM4S16WSTANM 4FT	HF008S16WSTANM 4FT
24-Fibre	HF062S24WSTANM 4FT	HF050S24WSTANM 4FT	HFOM3S24WSTANM 4FT	HFOM4S24WSTANM 4FT	HF008S24WSTANM 4FT



## DIRECT-BURIAL STEEL-TAPE ARMOURED MULTI-LOOSE-TUBE CABLE 12-72 FIBRES

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

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

UNIVERSAL EUROCLASS ECA	OM1	OM2	OM3	OM4	SINGLE-MODE
12-Fibre	HF062S12WSTALU-Eca	HF050S12WSTALU-Eca	HFOM3S12WSTALU-Eca	HFOM4S12WSTALU-Eca	HF008S12WSTALU-Eca
24-Fibre	HF062S24WSTALU-Eca	HF050S24WSTALU-Eca	HFOM3S24WSTALU-Eca	HFOM4S24WSTALU-Eca	HF008S24WSTALU-Eca
36-Fibre	HF062S36WSTALU-Eca	HF050S36WSTALU-Eca	HFOM3S36WSTALU-Eca	HFOM4S36WSTALU-Eca	HF008S36WSTALU-Eca
48-Fibre	HF062S48WSTALU-Eca	HF050S48WSTALU-Eca	HFOM3S48WSTALU-Eca	HFOM4S48WSTALU-Eca	HF008S48WSTALU-Eca
60-Fibre	HF062S60WSTALU-Eca	HF050S60WSTALU-Eca	HFOM3S60WSTALU-Eca	HFOM4S60WSTALU-Eca	HF008S60WSTALU-Eca
72-Fibre	HF062S72WSTALU-Eca	HF050S72WSTALU-Eca	HFOM3S72WSTALU-Eca	HFOM4S72WSTALU-Eca	HF008S72WSTALU-Eca
EXTERNAL	OM1	OM2	OM3	OM4	SINGLE-MODE
12-Fibre	HF062S12WSTANM	HF050S12WSTANM	HFOM3S12WSTANM	HFOM4S12WSTANM	HF008S12WSTANM
24-Fibre	HF062S24WSTANM	HF050S24WSTANM	HFOM3S24WSTANM	HFOM4S24WSTANM	HF008S24WSTANM
36-Fibre	HF062S36WSTANM	HF050S36WSTANM	HFOM3S36WSTANM	HFOM4S36WSTANM	HF008S36WSTANM
48-Fibre	HF062S48WSTANM	HF050S48WSTANM	HFOM3S48WSTANM	HFOM4S48WSTANM	HF008S48WSTANM
60-Fibre	HF062S60WSTANM	HF050S60WSTANM	HFOM3S60WSTANM	HFOM4S60WSTANM	HF008S60WSTANM
72-Fibre	HF062S72WSTANM	HF050S72WSTANM	HFOM3S72WSTANM	HFOM4S72WSTANM	HF008S72WSTANM



## DIRECT-BURIAL STEEL-TAPE ARMOURED MULTI-LOOSE-TUBE CABLE 84 AND 96 FIBRES

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

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

UNIVERSAL EUROCLASS ECA	OM1	OM2	OM3	OM4	SINGLE-MODE
84-Fibre	HF062S84WSTALU-Eca	HF050S84WSTALU-Eca	HFOM3S84WSTALU-Eca	HFOM4S84WSTALU-Eca	HF008S84WSTALU-Eca
96-Fibre	HF062S96WSTALU-Eca	HF050S96WSTALU-Eca	HFOM3S96WSTALU-Eca	HFOM4S96WSTALU-Eca	HF008S96WSTALU-Eca
EXTERNAL	OM1	OM2	OM3	OM4	SINGLE-MODE
84-Fibre	HF062S84WSTANM	HF050S84WSTANM	HFOM3S84WSTANM	HFOM4S84WSTANM	HF008S84WSTANM
96-Fibre	HF062S96WSTANM	HF050S96WSTANM	HFOM3S96WSTANM	HFOM4S96WSTANM	HF008S96WSTANM

# OPTICAL CABLES | Loose-Tube Cables



A

## DIRECT-BURIAL STEEL-TAPE ARMOURED MULTI-LOOSE-TUBE CABLE 108-144 FIBRES

- Single-sheathed cable offers up to 144 fibres in a compact, flexible construction
- Up to 12 x 2.5 mm diameter loose tubes containing up to 12 fibres 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 colour is black

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

UNIVERSAL EUROCLASS ECA	OM1	OM2	OM3	OM4	SINGLE-MODE
108-Fibre	HF062S108WSTALU-Eca	HF050S108WSTALU-Eca	HFOM3S108WSTALU-Eca	HFOM4S108WSTALU-Eca	HF008S108WSTALU-Eca
120-Fibre	HF062S120WSTALU-Eca	HF050S120WSTALU-Eca	HFOM3S120WSTALU-Eca	HFOM4S120WSTALU-Eca	HF008S120WSTALU-Eca
132-Fibre	HF062S132WSTALU-Eca	HF050S132WSTALU-Eca	HFOM3S132WSTALU-Eca	HFOM4S132WSTALU-Eca	HF008S132WSTALU-Eca
144-Fibre	HF062S144WSTALU-Eca	HF050S144WSTALU-Eca	HFOM3S144WSTALU-Eca	HFOM4S144WSTALU-Eca	HF008S144WSTALU-Eca
EXTERNAL	OM1	OM2	OM3	OM4	SINGLE-MODE
108-Fibre	HF062S108WSTANM	HF050S108WSTANM	HFOM3S108WSTANM	HFOM4S108WSTANM	HF008S108WSTANM
120-Fibre	HF062S120WSTANM	HF050S120WSTANM	HFOM3S120WSTANM	HFOM4S120WSTANM	HF008S120WSTANM
132-Fibre	HF062S132WSTANM	HF050S132WSTANM	HFOM3S132WSTANM	HFOM4S132WSTANM	HF008S132WSTANM
144-Fibre	HF062S144WSTANM	HF050S144WSTANM	HFOM3S144WSTANM	HFOM4S144WSTANM	HF008S144WSTANM



B

## DIRECT-BURIAL STEEL-TAPE ARMOURED MULTI-LOOSE-TUBE CABLE 156-216 FIBRES

- Single-sheathed cable offers up to 216 fibres in a compact, flexible construction
- Up to 18 x 2.5 mm diameter loose tubes containing up to 12 fibres 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 colour is black

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

UNIVERSAL EUROCLASS ECA	OM1	OM2	OM3	OM4	SINGLE-MODE
156-Fibre	HF062S156WSTALU-Eca	HF050S156WSTALU-Eca	HFOM3S156WSTALU-Eca	HFOM4S156WSTALU-Eca	HF008S156WSTALU-Eca
168-Fibre	HF062S168WSTALU-Eca	HF050S168WSTALU-Eca	HFOM3S168WSTALU-Eca	HFOM4S168WSTALU-Eca	HF008S168WSTALU-Eca
180-Fibre	HF062S180WSTALU-Eca	HF050S180WSTALU-Eca	HFOM3S180WSTALU-Eca	HFOM4S180WSTALU-Eca	HF008S180WSTALU-Eca
192-Fibre	HF062S192WSTALU-Eca	HF050S192WSTALU-Eca	HFOM3S192WSTALU-Eca	HFOM4S192WSTALU-Eca	HF008S192WSTALU-Eca
204-Fibre	HF062S204WSTALU-Eca	HF050S204WSTALU-Eca	HFOM3S204WSTALU-Eca	HFOM4S204WSTALU-Eca	HF008S204WSTALU-Eca
216-Fibre	HF062S216WSTALU-Eca	HF050S216WSTALU-Eca	HFOM3S216WSTALU-Eca	HFOM4S216WSTALU-Eca	HF008S216WSTALU-Eca
EXTERNAL	OM1	OM2	OM3	OM4	SINGLE-MODE
156-Fibre	HF062S156WSTANM	HF050S156WSTANM	HFOM3S156WSTANM	HFOM4S156WSTANM	HF008S156WSTANM
168-Fibre	HF062S168WSTANM	HF050S168WSTANM	HFOM3S168WSTANM	HFOM4S168WSTANM	HF008S168WSTANM
180-Fibre	HF062S180WSTANM	HF050S180WSTANM	HFOM3S180WSTANM	HFOM4S180WSTANM	HF008S180WSTANM
192-Fibre	HF062S192WSTANM	HF050S192WSTANM	HFOM3S192WSTANM	HFOM4S192WSTANM	HF008S192WSTANM
204-Fibre	HF062S204WSTANM	HF050S204WSTANM	HFOM3S204WSTANM	HFOM4S204WSTANM	HF008S204WSTANM
216-Fibre	HF062S216WSTANM	HF050S216WSTANM	HFOM3S216WSTANM	HFOM4S216WSTANM	HF008S216WSTANM





## TWIN-SHEATH STEEL-TAPE ARMoured MULTI-LOOSE-TUBE CABLE UP TO 24 FIBRES

- Compact low-fibre 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 fibres and solid fillers where required
- Stranded around a rigid glass non-metallic central-strength member
- Layer of water-blocking tape provides interstitial water blocking, and LSHF/or PE inner sheath and corrugated steel-tape armour provides additional crush resistance
- Cable colour is black

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

UNIVERSAL EUROCLASS ECA	OM1	OM2	OM3	OM4	SINGLE-MODE
4-Fibre	HF062S4WLSTALU-Eca 4FT	HF050S4WLSTALU-Eca 4FT	HFOM3S4WLSTALU-Eca 4FT	HFOM4S4WLSTALU-Eca 4FT	HF008S4WLSTALU-Eca 4FT
8-Fibre	HF062S8WLSTALU-Eca 4FT	HF050S8WLSTALU-Eca 4FT	HFOM3S8WLSTALU-Eca 4FT	HFOM4S8WLSTALU-Eca 4FT	HF008S8WLSTALU-Eca 4FT
12-Fibre	HF062S12WLSTALU-Eca 4FT	HF050S12WLSTALU-Eca 4FT	HFOM3S12WLSTALU-Eca 4FT	HFOM4S12WLSTALU-Eca 4FT	HF008S12WLSTALU-Eca 4FT
16-Fibre	HF062S16WLSTALU-Eca 4FT	HF050S16WLSTALU-Eca 4FT	HFOM3S16WLSTALU-Eca 4FT	HFOM4S16WLSTALU-Eca 4FT	HF008S16WLSTALU-Eca 4FT
20-Fibre	HF062S20WLSTALU-Eca 4FT	HF050S20WLSTALU-Eca 4FT	HFOM3S20WLSTALU-Eca 4FT	HFOM4S20WLSTALU-Eca 4FT	HF008S20WLSTALU-Eca 4FT
24-Fibre	HF062S24WLSTALU-Eca 4FT	HF050S24WLSTALU-Eca 4FT	HFOM3S24WLSTALU-Eca 4FT	HFOM4S24WLSTALU-Eca 4FT	HF008S24WLSTALU-Eca 4FT
EXTERNAL	OM1	OM2	OM3	OM4	SINGLE-MODE
4-Fibre	HF062S4WNMSTANM 4FT	HF050S4WNMSTANM 4FT	HFOM3S4WNMSTANM 4FT	HFOM4S4WNMSTANM 4FT	HF008S4WNMSTANM 4FT
8-Fibre	HF062S8WNMSTANM 4FT	HF050S8WNMSTANM 4FT	HFOM3S8WNMSTANM 4FT	HFOM4S8WNMSTANM 4FT	HF008S8WNMSTANM 4FT
12-Fibre	HF062S12WNMSTANM 4FT	HF050S12WNMSTANM 4FT	HFOM3S12WNMSTANM 4FT	HFOM4S12WNMSTANM 4FT	HF008S12WNMSTANM 4FT
16-Fibre	HF062S16WNMSTANM 4FT	HF050S16WNMSTANM 4FT	HFOM3S16WNMSTANM 4FT	HFOM4S16WNMSTANM 4FT	HF008S16WNMSTANM 4FT
20-Fibre	HF062S20WNMSTANM 4FT	HF050S20WNMSTANM 4FT	HFOM3S20WNMSTANM 4FT	HFOM4S20WNMSTANM 4FT	HF008S20WNMSTANM 4FT
24-Fibre	HF062S24WNMSTANM 4FT	HF050S24WNMSTANM 4FT	HFOM3S24WNMSTANM 4FT	HFOM4S24WNMSTANM 4FT	HF008S24WNMSTANM 4FT



## TWIN-SHEATH STEEL-TAPE ARMoured MULTI-LOOSE-TUBE CABLE 12-72 FIBRES

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

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

UNIVERSAL EUROCLASS ECA	OM1	OM2	OM3	OM4	SINGLE-MODE
12-Fibre	HF062S12WLSTALU-Eca	HF050S12WLSTALU-Eca	HFOM3S12WLSTALU-Eca	HFOM4S12WLSTALU-Eca	HF008S12WLSTALU-Eca
24-Fibre	HF062S24WLSTALU-Eca	HF050S24WLSTALU-Eca	HFOM3S24WLSTALU-Eca	HFOM4S24WLSTALU-Eca	HF008S24WLSTALU-Eca
36-Fibre	HF062S36WLSTALU-Eca	HF050S36WLSTALU-Eca	HFOM3S36WLSTALU-Eca	HFOM4S36WLSTALU-Eca	HF008S36WLSTALU-Eca
48-Fibre	HF062S48WLSTALU-Eca	HF050S48WLSTALU-Eca	HFOM3S48WLSTALU-Eca	HFOM4S48WLSTALU-Eca	HF008S48WLSTALU-Eca
60-Fibre	HF062S60WLSTALU-Eca	HF050S60WLSTALU-Eca	HFOM3S60WLSTALU-Eca	HFOM4S60WLSTALU-Eca	HF008S60WLSTALU-Eca
72-Fibre	HF062S72WLSTALU-Eca	HF050S72WLSTALU-Eca	HFOM3S72WLSTALU-Eca	HFOM4S72WLSTALU-Eca	HF008S72WLSTALU-Eca
EXTERNAL	OM1	OM2	OM3	OM4	SINGLE-MODE
12-Fibre	HF062S12WNMSTANM	HF050S12WNMSTANM	HFOM3S12WNMSTANM	HFOM4S12WNMSTANM	HF008S12WNMSTANM
24-Fibre	HF062S24WNMSTANM	HF050S24WNMSTANM	HFOM3S24WNMSTANM	HFOM4S24WNMSTANM	HF008S24WNMSTANM
36-Fibre	HF062S36WNMSTANM	HF050S36WNMSTANM	HFOM3S36WNMSTANM	HFOM4S36WNMSTANM	HF008S36WNMSTANM
48-Fibre	HF062S48WNMSTANM	HF050S48WNMSTANM	HFOM3S48WNMSTANM	HFOM4S48WNMSTANM	HF008S48WNMSTANM
60-Fibre	HF062S60WNMSTANM	HF050S60WNMSTANM	HFOM3S60WNMSTANM	HFOM4S60WNMSTANM	HF008S60WNMSTANM
72-Fibre	HF062S72WNMSTANM	HF050S72WNMSTANM	HFOM3S72WNMSTANM	HFOM4S72WNMSTANM	HF008S72WNMSTANM

# OPTICAL CABLES | Loose-Tube Cables



## TWIN-SHEATH STEEL-TAPE ARMoured MULTI-LOOSE-TUBE CABLE 84-96 FIBRES

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

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

UNIVERSAL EUROCLASS ECA	OM1	OM2	OM3	OM4	SINGLE-MODE
84-Fibre	HF062S84WLSTALU-Eca	HF050S84WLSTALU-Eca	HFOM3S84WLSTALU-Eca	HFOM4S84WLSTALU-Eca	HF008S84WLSTALU-Eca
96-Fibre	HF062S96WLSTALU-Eca	HF050S96WLSTALU-Eca	HFOM3S96WLSTALU-Eca	HFOM4S96WLSTALU-Eca	HF008S96WLSTALU-Eca
EXTERNAL	OM1	OM2	OM3	OM4	SINGLE-MODE
84-Fibre	HF062S84WNMSTANM	HF050S84WNMSTANM	HFOM3S84WNMSTANM	HFOM4S84WNMSTANM	HF008S84WNMSTANM
96-Fibre	HF062S96WNMSTANM	HF050S96WNMSTANM	HFOM3S96WNMSTANM	HFOM4S96WNMSTANM	HF008S96WNMSTANM



## TWIN-SHEATH STEEL-TAPE ARMoured MULTI-LOOSE-TUBE CABLE 108-144 FIBRES

- Compact direct-burial-grade cable offers up to 144 fibres
- Up to 12 x 2.5 mm diameter loose tubes containing up to 12 fibres 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 colour is black

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

UNIVERSAL EUROCLASS ECA	OM1	OM2	OM3	OM4	SINGLE-MODE
108-Fibre	HF062S108WLSTALU-Eca	HF050S108WLSTALU-Eca	HFOM3S108WLSTALU-Eca	HFOM4S108WLSTALU-Eca	HF008S108WLSTALU-Eca
120-Fibre	HF062S120WLSTALU-Eca	HF050S120WLSTALU-Eca	HFOM3S120WLSTALU-Eca	HFOM4S120WLSTALU-Eca	HF008S120WLSTALU-Eca
132-Fibre	HF062S132WLSTALU-Eca	HF050S132WLSTALU-Eca	HFOM3S132WLSTALU-Eca	HFOM4S132WLSTALU-Eca	HF008S132WLSTALU-Eca
144-Fibre	HF062S144WLSTALU-Eca	HF050S144WLSTALU-Eca	HFOM3S144WLSTALU-Eca	HFOM4S144WLSTALU-Eca	HF008S144WLSTALU-Eca
EXTERNAL	OM1	OM2	OM3	OM4	SINGLE-MODE
108-Fibre	HF062S108WNMSTANM	HF050S108WNMSTANM	HFOM3S108WNMSTANM	HFOM4S108WNMSTANM	HF008S108WNMSTANM
120-Fibre	HF062S120WNMSTANM	HF050S120WNMSTANM	HFOM3S120WNMSTANM	HFOM4S120WNMSTANM	HF008S120WNMSTANM
132-Fibre	HF062S132WNMSTANM	HF050S132WNMSTANM	HFOM3S132WNMSTANM	HFOM4S132WNMSTANM	HF008S132WNMSTANM
144-Fibre	HF062S144WNMSTANM	HF050S144WNMSTANM	HFOM3S144WNMSTANM	HFOM4S144WNMSTANM	HF008S144WNMSTANM



## TWIN-SHEATH STEEL-TAPE ARMoured MULTI-LOOSE-TUBE CABLE 156-216 FIBRES

- Compact direct-burial-grade cable offers up to 216 fibres
- Up to 18 x 2.5 mm diameter loose tubes containing up to 12 fibres 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 colour is black

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

UNIVERSAL EUROCLASS ECA	OM1	OM2	OM3	OM4	SINGLE-MODE
156-Fibre	HF062S156WLSTALU-Eca	HF050S156WLSTALU-Eca	HFOM3S168WLSTALU-Eca	HFOM4S168WLSTALU-Eca	HF008S156WLSTALU-Eca
168-Fibre	HF062S168WLSTALU-Eca	HF050S168WLSTALU-Eca	HFOM3S156WLSTALU-Eca	HFOM4S156WLSTALU-Eca	HF008S168WLSTALU-Eca
180-Fibre	HF062S180WLSTALU-Eca	HF050S180WLSTALU-Eca	HFOM3S180WLSTALU-Eca	HFOM4S180WLSTALU-Eca	HF008S180WLSTALU-Eca
192-Fibre	HF062S192WLSTALU-Eca	HF050S192WLSTALU-Eca	HFOM3S192WLSTALU-Eca	HFOM4S192WLSTALU-Eca	HF008S192WLSTALU-Eca
204-Fibre	HF062S204WLSTALU-Eca	HF050S204WLSTALU-Eca	HFOM3S204WLSTALU-Eca	HFOM4S204WLSTALU-Eca	HF008S204WLSTALU-Eca
216-Fibre	HF062S216WLSTALU-Eca	HF050S216WLSTALU-Eca	HFOM3S216WLSTALU-Eca	HFOM4S216WLSTALU-Eca	HF008S216WLSTALU-Eca
EXTERNAL	OM1	OM2	OM3	OM4	SINGLE-MODE
156-Fibre	HF062S156WNMSTANM	HF050S156WNMSTANM	HFOM3S156WNMSTANM	HFOM4S156WNMSTANM	HF008S156WNMSTANM
168-Fibre	HF062S168WNMSTANM	HF050S168WNMSTANM	HFOM3S168WNMSTANM	HFOM4S168WNMSTANM	HF008S168WNMSTANM
180-Fibre	HF062S180WNMSTANM	HF050S180WNMSTANM	HFOM3S180WNMSTANM	HFOM4S180WNMSTANM	HF008S180WNMSTANM
192-Fibre	HF062S192WNMSTANM	HF050S192WNMSTANM	HFOM3S192WNMSTANM	HFOM4S192WNMSTANM	HF008S192WNMSTANM
204-Fibre	HF062S204WNMSTANM	HF050S204WNMSTANM	HFOM3S204WNMSTANM	HFOM4S204WNMSTANM	HF008S204WNMSTANM
216-Fibre	HF062S216WNMSTANM	HF050S216WNMSTANM	HFOM3S216WNMSTANM	HFOM4S216WNMSTANM	HF008S216WNMSTANM



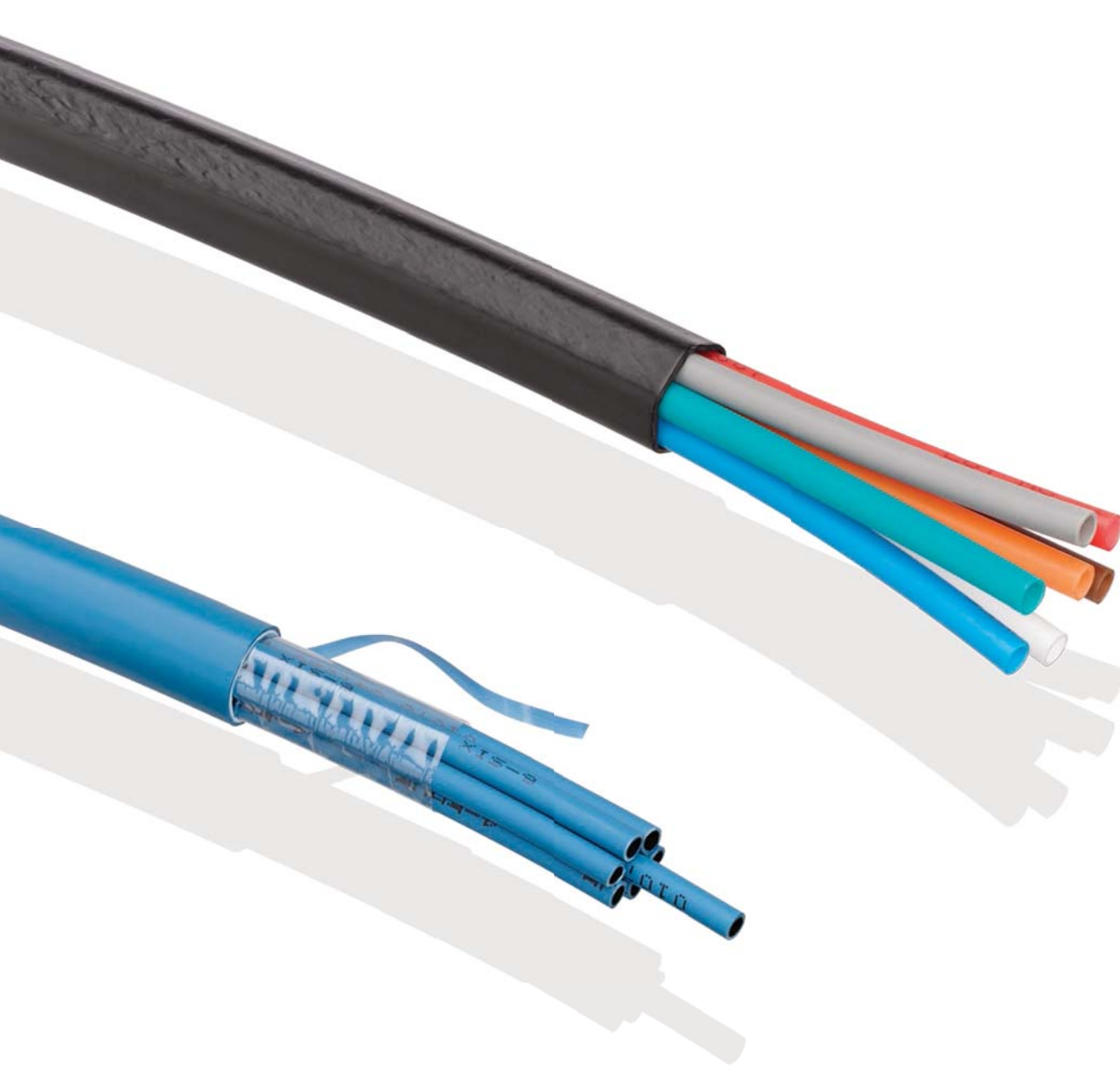
## UNITUBE FIRE-SURVIVAL CABLE 4-24 FIBRES

- 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 centres, 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

### [B] UNITUBE FIRE SURVIVAL CABLES

UNIVERSAL	OM1	OM2	OM3	OM4	SINGLE-MODE
4-Fibre	EF062UNI4LSTALUFS	EF050UNI4LSTALUFS	EFOM3UNI4LSTALUFS	EFOM4UNI4LSTALUFS	EF008UNI4LSTALUFS
8-Fibre	EF062UNI8LSTALUFS	EF050UNI8LSTALUFS	EFOM3UNI8LSTALUFS	EFOM4UNI8LSTALUFS	EF008UNI8LSTALUFS
12-Fibre	EF062UNI12LSTALUFS	EF050UNI12LSTALUFS	EFOM3UNI12LSTALUFS	EFOM4UNI12LSTALUFS	EF008UNI12LSTALUFS
16-Fibre	EF062UNI16LSTALUFS	EF050UNI16LSTALUFS	EFOM3UNI16LSTALUFS	EFOM4UNI16LSTALUFS	EF008UNI16LSTALUFS
24-Fibre	EF062UNI24LSTALUFS	EF050UNI24LSTALUFS	EFOM3UNI24LSTALUFS	EFOM4UNI24LSTALUFS	EF008UNI24LSTALUFS

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



## FEATURED PRODUCTS

Blolite **B63**

MicroBlo **B65**

Connectivity & Tools **B68**

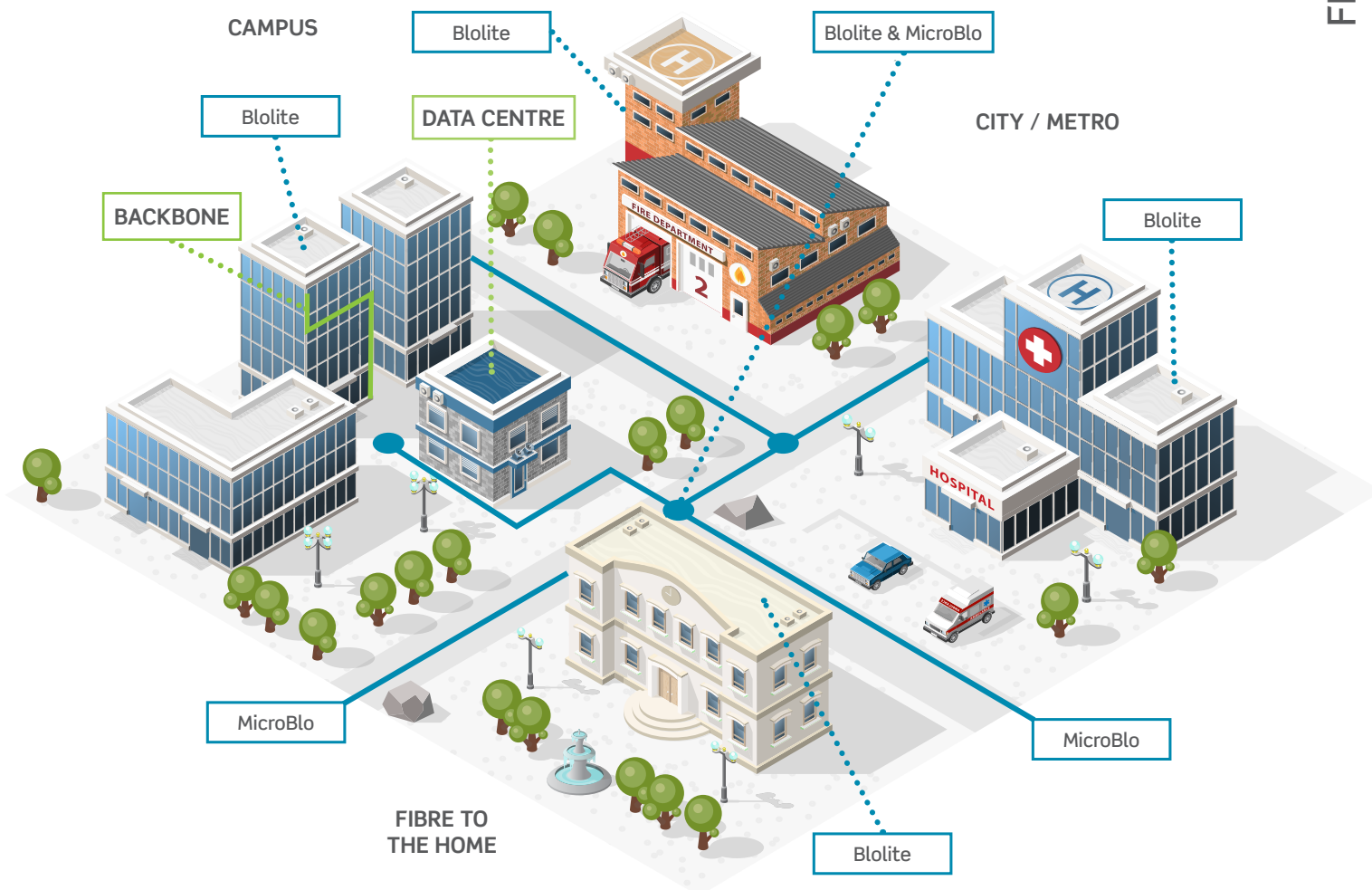
## Air-Blown Fibre Systems

In the past, industry practice had been to install 'dark fibre' to plan for future bandwidth demands. However, this strategy carries risks, as unterminated and untested fibres 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 Fibre Systems, which eliminate risk by preinstalling a ducting route and then blowing in (and paying for) the fibre 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 fibre is a point-to-point solution suited to applications such as fibre to the desks/home, backbone links, campus, and data centre applications. The specially coated single fibres are blown through the MicroDucts using 'dry' air and can be installed in very complex routes often found within buildings.

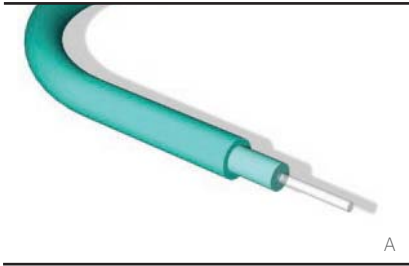
**MicroBlo** Micro Cables are ideally suited for outside plant, campus, metro, and access applications. The Micro Cables are of a multiple loose-tube construction and are introduced into MicroDucts using the air as a lubricant to facilitate the blowing of the cables.



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

# AIR-BLOWN FIBRE SYSTEMS | Blolite® Systems

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



## BLOLITE SINGLE-BLOWN FIBRE ELEMENTS

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

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

COLOUR	OM1	OM2	OM3	OM4	SINGLE-MODE
White	10-0101-03	10-0005-03	10-0003-03	10-0004-03	10-0200-03
Black	10-0101-05	10-0005-05	10-0003-05	10-0004-05	10-0200-05
Blue	10-0101-06	10-0005-06	10-0003-06	10-0004-06	10-0200-06
Orange	10-0101-07	10-0005-07	10-0003-07	10-0004-07	10-0200-07
Green	10-0101-08	10-0005-08	10-0003-08	10-0004-08	10-0200-08
Red	10-0101-09	10-0005-09	10-0003-09	10-0004-09	10-0200-09
Grey	10-0101-10	10-0005-10	10-0003-10	10-0004-10	10-0200-10
Yellow	10-0101-11	10-0005-11	10-0003-11	10-0004-11	10-0200-11
Brown	10-0101-12	10-0005-12	10-0003-12	10-0004-12	10-0200-12
Violet	10-0101-13	10-0005-13	10-0003-13	10-0004-13	10-0200-13
Pink	10-0101-14	10-0005-14	10-0003-14	10-0004-14	10-0200-14
Turquoise	10-0101-15	10-0005-15	10-0003-15	10-0004-15	10-0200-15

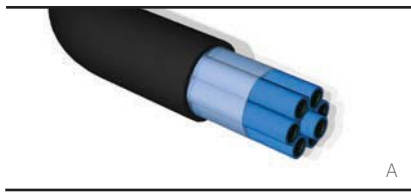
## SPOTLIGHT

### Installation Equipment



**Installing Blolite fibres** into a Blolite MicroDuct route requires the use of specially designed equipment. The IM2000 Blolite includes a purpose made blow head, tripod, and pay-off system, all supplied within sturdy 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 fibres into a MicroDuct, at which point the air is introduced and the installation of the fibre is enabled.

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



A

## BLOLITE DIRECT-INSTALL MICRODUCTS

- Facilitates installation of Blolite single-blown fibres 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 fibres 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 optimised blowing performance installation distances

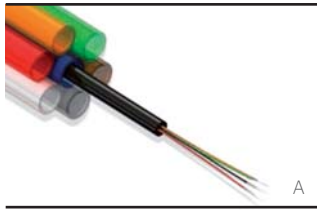
### [B] BLOLITE INDOOR MICRODUCTS

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

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# AIR-BLOWN FIBRE SYSTEMS | MicroBlo® Systems

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

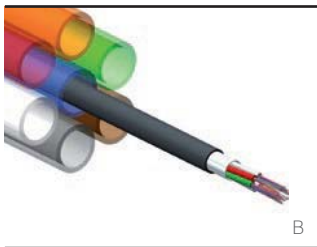


## MICROBLO 2-12 FIBRE-BLOWN MICRO CABLE

- Fibre counts from 2 to 12 in a 2.5 mm diameter package
- Single gel-filled polycarbonate loose tube
- Improves installation efficiency in preinstalled 5/3.5 mm MicroDucts
- Fibres are colour coded according to ANSI/TIA-598-D

### [A] 2-12 FIBRE-BLOWN MICRO CABLE

DESCRIPTION	OM1	OM2	OM3	OM4	SINGLE-MODE
2-Fibre	HF062BMC2WNM3	HF050BMC2WNM3	HFOM3BMC2WNM3	HFOM4BMC2WNM3	HF008BMC2WNM3
4-Fibre	HF062BMC4WNM3	HF050BMC4WNM3	HFOM3BMC4WNM3	HFOM4BMC4WNM3	HF008BMC4WNM3
6-Fibre	HF062BMC6WNM3	HF050BMC6WNM3	HFOM3BMC6WNM3	HFOM4BMC6WNM3	HF008BMC6WNM3
8-Fibre	HF062BMC8WNM3	HF050BMC8WNM3	HFOM3BMC8WNM3	HFOM4BMC8WNM3	HF008BMC8WNM3
12-Fibre	HF062BMC12WNM3	HF050BMC12WNM3	HFOM3BMC12WNM3	HFOM4BMC12WNM3	HF008BMC12WNM3



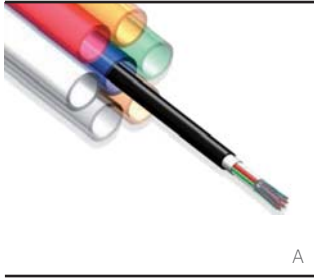
## MICROBLO 12-72 FIBRE-BLOWN MICRO CABLE

- Fibre 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
- Fibres are colour coded according to ANSI/TIA-598-D

### [B] 12-72 FIBRE-BLOWN MICRO CABLE

DESCRIPTION	OM1	OM2	OM3	OM4	SINGLE-MODE
12-Fibre	HF062BMC12WNM6	HF050BMC12WNM6	HFOM3BMC12WNM6	HFOM4BMC12WNM6	HF008BMC12WNM6
24-Fibre	HF062BMC24WNM6	HF050BMC24WNM6	HFOM3BMC24WNM6	HFOM4BMC24WNM6	HF008BMC24WNM6
36-Fibre	HF062BMC36WNM6	HF050BMC36WNM6	HFOM3BMC36WNM6	HFOM4BMC36WNM6	HF008BMC36WNM6
48-Fibre	HF062BMC48WNM6	HF050BMC48WNM6	HFOM3BMC48WNM6	HFOM4BMC48WNM6	HF008BMC48WNM6
60-Fibre	HF062BMC60WNM6	HF050BMC60WNM6	HFOM3BMC60WNM6	HFOM4BMC60WNM6	HF008BMC60WNM6
72-Fibre	HF062BMC72WNM6	HF050BMC72WNM6	HFOM3BMC72WNM6	HFOM4BMC72WNM6	HF008BMC72WNM6





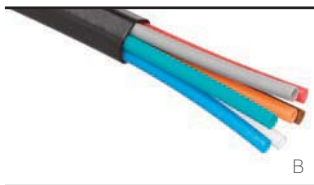
A

## MICROBLO 84 & 96 FIBRE-BLOWN MICRO CABLE

- Fibre 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
- Fibres are colour coded according to ANSI/TIA-598-D

### [A] UP TO 96 FIBRE MICRO CABLE

DESCRIPTION	OM1	OM2	OM3	OM4	SINGLE-MODE
84-Fibre	HF062BMC84WNM8	HF050BMC84WNM8	HFOM3BMC84WNM8	HFOM4BMC84WNM8	HF008BMC84WNM8
96-Fibre	HF062BMC96WNM8	HF050BMC96WNM8	HFOM3BMC96WNM8	HFOM4BMC96WNM8	HF008BMC96WNM8



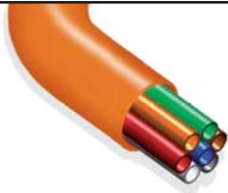
B

## MICROBLO OUTDOOR DIRECT-INSTALL PROTECTED MICRODUCTS

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

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

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



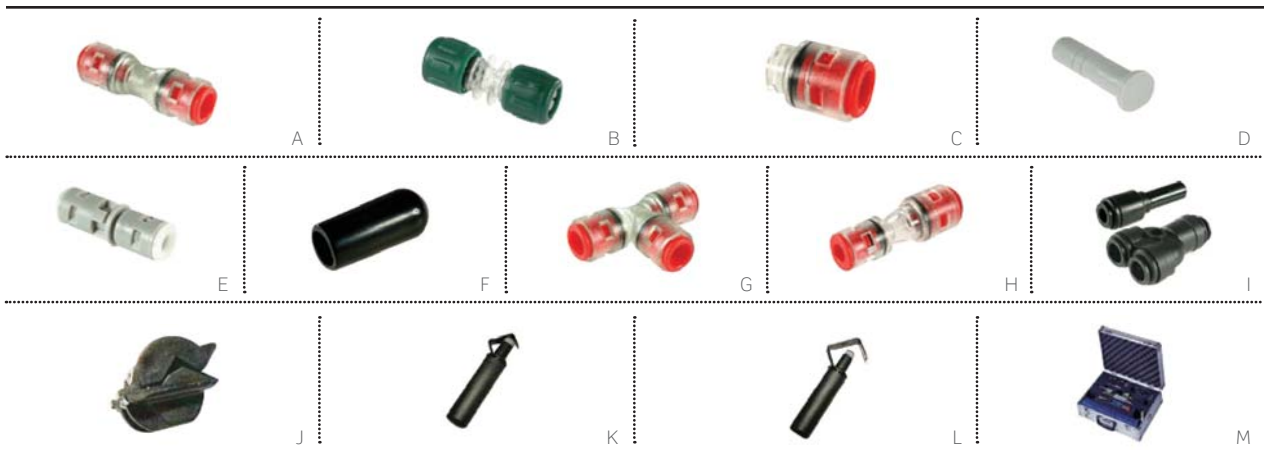
## MICROBLO DIRECT-BURIAL PROTECTED MICRODUCTS

- Facilitates installation of MicroBlo single-blown fibres 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

# AIR-BLOWN FIBRE SYSTEMS | MicroDuct Connectivity & Tools



- 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
<b>[A]</b> 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>[B]</b> Straight, screw retention	—	30-0502-00	—	30-0802-00	—	—	—	—
<b>[C]</b> 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
<b>[D]</b> Connector End Plug	—	30-0505-09	—	—	—	—	—	—
<b>[E]</b> Bulkhead Mounted Connector	—	30-0506-09	—	—	—	—	—	—
<b>[F]</b> 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
<b>[G]</b> Gas Blocking 'T' Piece	—	30-0508-00	—	30-0808-00	—	—	—	—
8 mm to 5 mm Reducer	—	30-5801-00	—	—	—	—	—	—
<b>[H]</b> 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)
<b>[I]</b> Termination Fibre 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.
<b>[J]</b> Radial Tube Cutter	54-0100-00
<b>[K]</b> Duct Stripping Tool 4.5 mm - 29.00 mm	54-0201-00
<b>[L]</b> Duct Stripping Tool 19.00 mm - 40.00 mm	54-0202-00
<b>[M]</b> Duct Testing Kit	50-0506-00

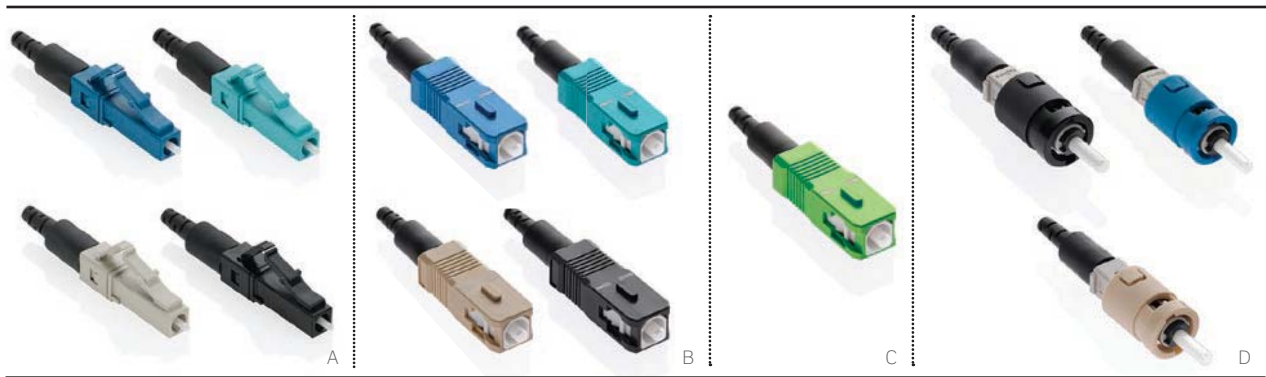


## FEATURED PRODUCTS

FastCAM  
Connectors **B70**

# Connectors & Housings

Leviton has everything you need to properly terminate your fibre network. FastCAM® and field polish connectors are available in LC, SC, and ST styles. To extend fibre to the workstation, we also offer QuickPort® fibre adaptors for faceplates and Multimedia Outlet System (MOS) housings. Go to the Faceplates & Housings section to see our faceplate selection.



**FASTCAM CONNECTORS**

- Pre-polished, field-installable connectors
- Use precision zirconia ferrules
- Require no polishing or epoxy curing; provide immediate termination
- Precision mechanical termination uses moulded v-groove technology to retain and align the fibre
- Terminated on 250 µm or 900 µm buffered fibre and/or 2 or 3 mm jacketed fibre
- 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)



Connectors & Housings

FIBRE

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

FASTCAM ACCESSORIES				
FastCAM LC Duplex Clips	49991-CLP	49991-CLP	49991-CLP	49991-CLP

\* Includes an internal 8° cleave for >60 dB return loss performance. Requires 8° cleave tool (see page 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 fibre, 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 adaptor 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 fibre to fibre coupling just prior to activating the clamps.



## 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, ST and FC 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
- FC for 900 µm, 2.0 mm to 3.0 mm cable, single-mode and multimode options

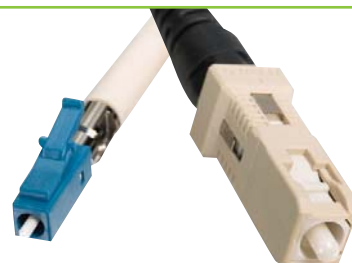
ANAEROBIC ADHESIVE FIELD POLISH CONNECTORS			
DESCRIPTION	SINGLE-MODE	APC SINGLE-MODE	MULTIMODE
LC Connector, Simplex, with 2 mm boot	FOCLSEPSM001 (blue)	FOCALEPSM001 (green)	FOCLSEPM001 (beige)
LC Connector, Duplex, with 2 mm boot	FOCLCEPSM001 (blue)	—	<b>[A]</b> FOCLCEPMM001 (beige)
LC Connector, Simplex, with 900 µm boot	FOCLSEPSM002 (blue)	FOCALEPSM002 (green)	FOCLSEPM002 (beige)
LC Connector, Duplex, with 900 µm boot	—	—	FOCLCEPMM002 (beige)
LC Connector, Duplex, with 3 mm boot	—	—	FOCLCEPMM003 (beige)
SC Connector, Simplex, with 900 µm and 2.4-3.0 mm boots	<b>[B]</b> FOCSEPSM001 (blue)	FOCACEPSM001 (green)	FOCSEPMM01 (beige)
SC Connector, Duplex, with 900 µm and 2.4-3.0 mm boots	FOCDCEPSM001 (blue)	—	FOCDCEPMM001 (beige)
SC Connector, Simplex, with 900 µm and 2.0 mm boots	FOCSEPSM002 (blue)	—	FOCSEPMM002 (beige)
SC Connector, Simplex, with 900 µm and 2.0 mm boots	FOCDCEPSM002 (blue)	—	FOCDCEPMM002 (beige)
ST Connector, with 900 µm and 3.0 mm boots	FOCSTEPMS001	—	<b>[C]</b> FOCSTEPMM001
ST Connector, with 900 µm and 2.0 mm boots	FOCSTEPMS002	—	FOCSTEPMM002
FC Connector, with 900 µm and 3.0 mm boots	FOCFEPSM001	FOCAFEPSM001	FOCFEPM001

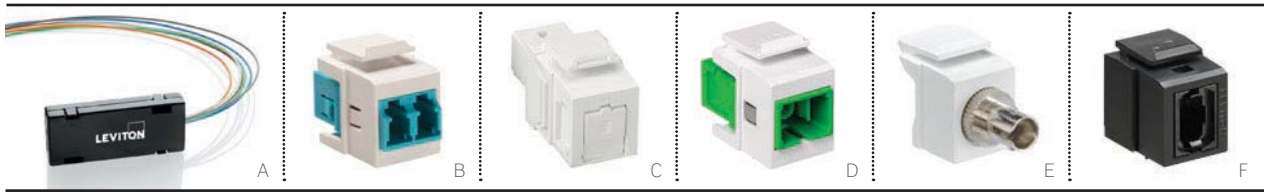
Note: See product data sheets (LC: GD102432, SC: GD102431, ST: GD1024230, GD102248) for product specifications including boot and body colours. Colours not listed may indicate multiple colours.

See pages B75-B78 for Field polish tools and consumables.

## SPOTLIGHT Ceramic vs. Polymer Ferrules

**Fibre optic ferrules**, which ensure accurate alignment of fibre-to-fibre 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 fibre connector performance in any application.





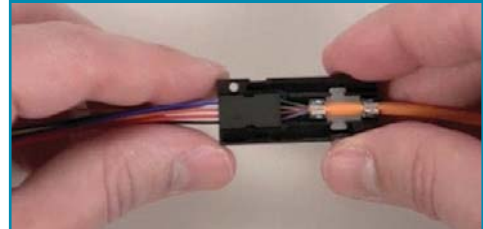
## FIBRE OPTIC FAN-OUT KITS

- Protect bare fibre and prepare loose-tube cable for direct termination to industry-standard connectors
- Separate 250 µm fibres and route into colour-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 FIBRE ADAPTORS

- Snap into all QuickPort openings and Multimedia Outlet System (MOS) housings, see pages C3-C4.
- Tool-free plug-n-play installation

### WATCH: INSTALLATION VIDEOS



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

### FIBRE OPTIC FAN-OUT KITS

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

### QUICKPORT FIBRE ADAPTORS

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

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

^ = Colours: Choose from any of the colours below.



White (W)



Black (E)



## FEATURED PRODUCTS

Visual Fault Locator (VFL) **B77**

Cleavers **B77**

# 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 fibre 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 adaptor 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 fibre to fibre coupling just prior to activating the clamps. See page B77 for part numbers.



Tools & Consumables

FIBRE



## 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 nanometres (nm). Rugged metal and rubber construction stands up to job-site 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 & ANIMATIONS

Increase your expertise with Leviton's online fibre training. Step-by-step instructions on terminating FastCAM 250 µm and 900 µm fibre 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/support](http://Leviton.com/ns/support).





A



B



C



D

## FIBRE OPTIC LIGHT TOOL KIT

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

## FIBRE OPTIC FIELD POLISH TOOL KIT

- All the tools you need for terminating multimode or single-mode LC, SC, or ST adhesive connectors
- Adhesive/accelerator kit sold separately, see page B78

## FIBRE OPTIC FASTCAM® TOOL KIT

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

Note: Consumables sold separately. See page B78.

FIBRE 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 CT-30A Cleaver (cleaver shown on page B77)	49800-SMK
FastCAM Tool Kit with Cleaver*	49800-MSK

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

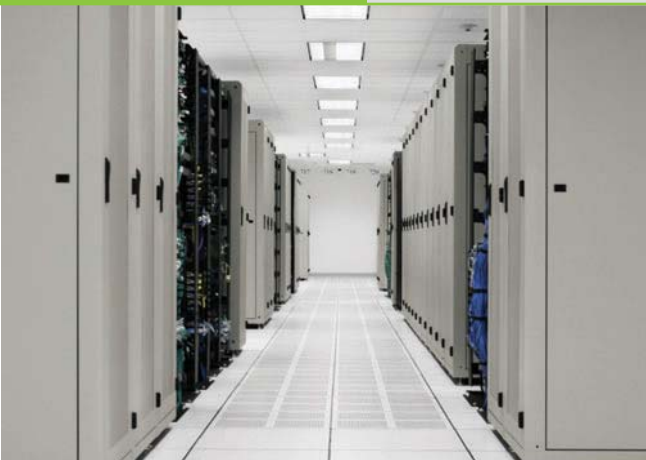
Individual consumables available on page B78.

Note: Adhesive/accelerator tool kit sold separately. See page B78.

## TOOLS & CONSUMABLES | Fibre Optic Tool Kits

FIBRE OPTIC TOOL KITS CONTENTS	FIELD POLISH TOOL KITS		FASTCAM® TOOL KITS		
	[A] 49800-MTK	[B] 49800-FTK	[C] 49800-LAK	[D] 49800-SMK	49800-MSK
Tool Kit Carrying Case (49886-FCC)	•	•	•	•	•
250 and 900 µm Buffer Remover (49886-BR2)		•	•	•	•
Fibre & 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)	•	•			
Fibre Cleaver Lynx (49886-LNX)			•		•
Fibre Cleaver CT-30A (49886-CTA)				•	
100x Inspection Scope (49886-SCP)	•				
200x Inspection Scope (49886-FSP)		•			
LC Scope Adaptor, 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)			•		

### SPOTLIGHT Cincinnati Bell Technology Solutions (CBTS) Scores with Comprehensive Data Centre Services



CBTS counts several hundred Cincinnati-area businesses, from small shops to Fortune 500 companies, among its customers. And with a constant demand for colocation and virtual data centre services, CBTS required a top-quality infrastructure to achieve the reliability needed for expanding its critical data centre environment. After evaluating several options, CBTS chose Leviton connectivity for its quality, reliability, and outstanding performance. Plus, in addition to meeting needs, Leviton took it one step further by developing its custom solutions for unique data centre applications.

# TOOLS & CONSUMABLES | Fibre Optic Tools

FIBRE Tools & Consumables



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 Adaptor (works with 200x scope only)*	49886-LCS
Duplex LC Scope Adaptor (works with 200x scope only)*	49886-LCD
[G] MTP® Scope Adaptor (works with 200x scope only)*	49886-MCS
Fibre Optic Crimp Tool with .128/.151/.178 hex die*	49886-FCT
Tool Kit Carrying Case*	49886-FCC
[H] MTP Cassette Cleaning Tool*	49886-MCT
[I] LC Connector Cleaning Tool*	49886-LCT
[J] SC Connector Cleaning Tool*	49886-SCT
[K] MTP Connector Cleaning Tool (female)*	49886-UFT
MTP Connector Cleaning Tool (male)*	49886-UMT
MTP Connector Cleaning Tool Refill (male)*	49886-MCR

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

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] Fujikura CT-30A Cleaver^	49886-CTA
[O] Visual Fault Locator (VFL) (2.5 mm and 1.25 mm adaptors included)	49886-VFL
Replacement 1.25 mm Adaptor 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/clc](http://Leviton.com/clc) for directions.



### UNIVERSAL CONSUMABLES KIT

All the basic supplies needed to clean and polish fibre 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 sufficient 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 specialised supplies for anaerobic adhesive field polish terminations. Supply sufficient for approximately 200 terminations. Additional included items:

- 25 syringes
- 25 needles
- Adhesive and accelerator

### FAN-OUT CONSUMABLES KIT

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

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

## CONSUMABLES KITS

DESCRIPTION	PART NO.
<b>[A]</b> Universal Consumables Kit	49800-CON
<b>[B]</b> Field Polish Consumables Kit	49800-FCC
<b>[C]</b> Adhesive/Accelerator Kit	49800-680
<b>[D]</b> Fan-Out Consumables Kit	49800-FAN

## CONSUMABLES

Piano Wire	49886-WRE
Lint-Free Dry Wipes (100 per pack)	49886-DWP
Alcohol Pads (100 per pack)	49886-APD
12 µm Aluminium-Oxide Lapping Film, pink (100 per pack)	49886-12F
3 µm Aluminium-Oxide Lapping Film, yellow (100 per pack)	49886-03F
0.3 µm Aluminium-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



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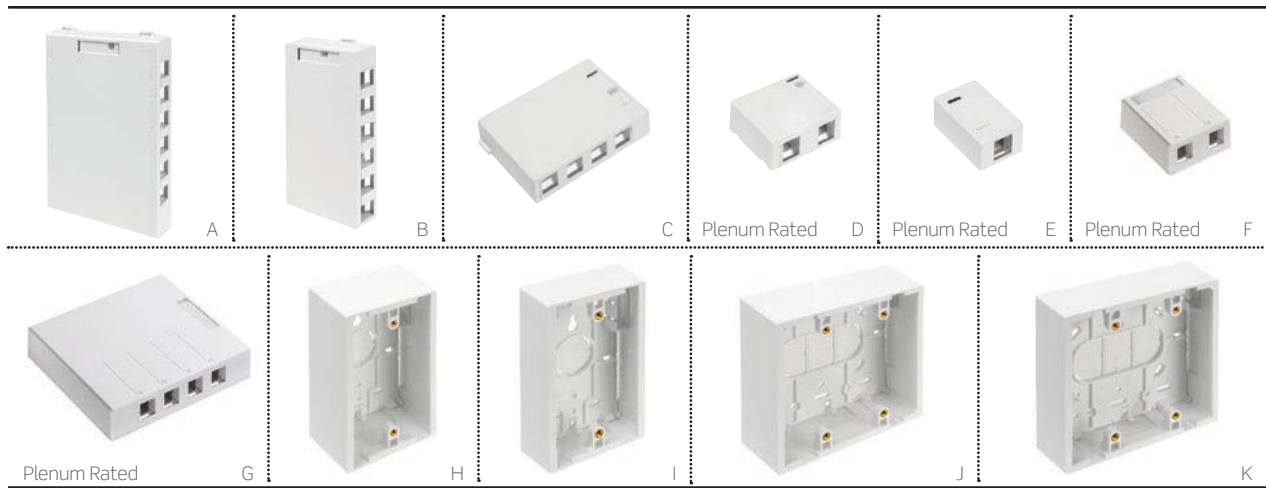
## SECTION C CONTENTS

### HOUSINGS & FACEPLATES

- C3** QuickPort® & Multimedia  
Outlet System (MOS)  
Surface-Mount Boxes
- C4** QuickPort In-Ceiling Brackets
- C4** DIN Rail Snap-In-Jack Module
- C4** Floorbox Brackets & Modules
- C5** UK Style Faceplates,  
Back Boxes & Modules
- C6** Continental Outlets,  
Faceplates & Modules
- C8** 45 mm & 50 mm Fibre Modules
- C9** Jack & Housing Compatibility

# HOUSINGS & FACEPLATES |

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



### SURFACE-MOUNT BOXES

- Surface-mount boxes have breakouts to match common raceway systems and cable entry
- 1-, 2-, and 4-port surface-mount boxes are plenum rated [compliant with NEC 300-22 (b)(c)]
- Mounts with screws or adhesive mounting tape (both provided)
- 4S089 products are designed to 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 fibre modules (see page A14 for AV and copper, C8 for fibre modules)

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

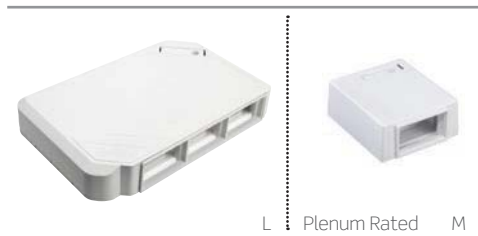
### QUICKPORT SURFACE-MOUNT BOXES

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

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

[H] Single-Gang Standard Back Box, 4.72" H x 2.96" W x 1.89" D, white	42777-1WA
[I] Single-Gang Shallow Back Box, 4.72" H x 2.96" W x 1.45" D, white	42777-1WB
[J] Dual-Gang Standard Back Box, 4.72" H x 4.77" W x 1.89" D, white	42777-2WA
[K] Dual-Gang Shallow Back Box, 4.72" H x 4.77" W x 1.45" D, white	42777-2WB

\*For shielded jacks and large bend-radius cables.

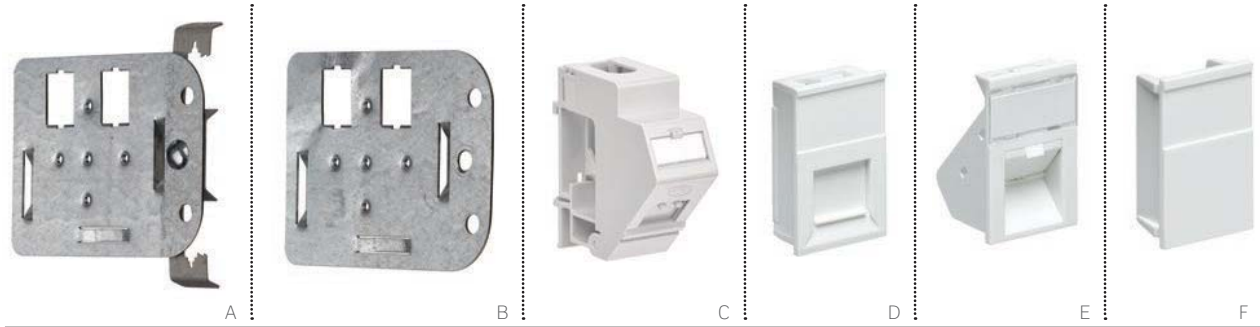


### MULTIMEDIA OUTLET SYSTEM (MOS) SURFACE-MOUNT BOXES

DESCRIPTION	PART NO.
[L] Surface-Mount Box, 3-unit with fibre 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 and copper, C8 for fibre MOS inserts and modules.





### IN-CEILING BRACKET

- Helps create 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)
- Plenum-rated QuickPort 1-, 2-, and 4-port surface-mount boxes (sold separately) attach to brackets and are ideal for use in 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 millimetre thick plate with a standard 22 x 37 millimetre floorbox cut-out
- Modules available in angled and unshielded

#### QUICKPORT IN-CEILING BRACKETS

DESCRIPTION	PART NO.
<b>[A]</b> QuickPort In-Ceiling Bracket, includes clip for drop wire/rod mounting	49223-CBC
<b>[B]</b> QuickPort In-Ceiling Bracket, no clip	49223-CB0

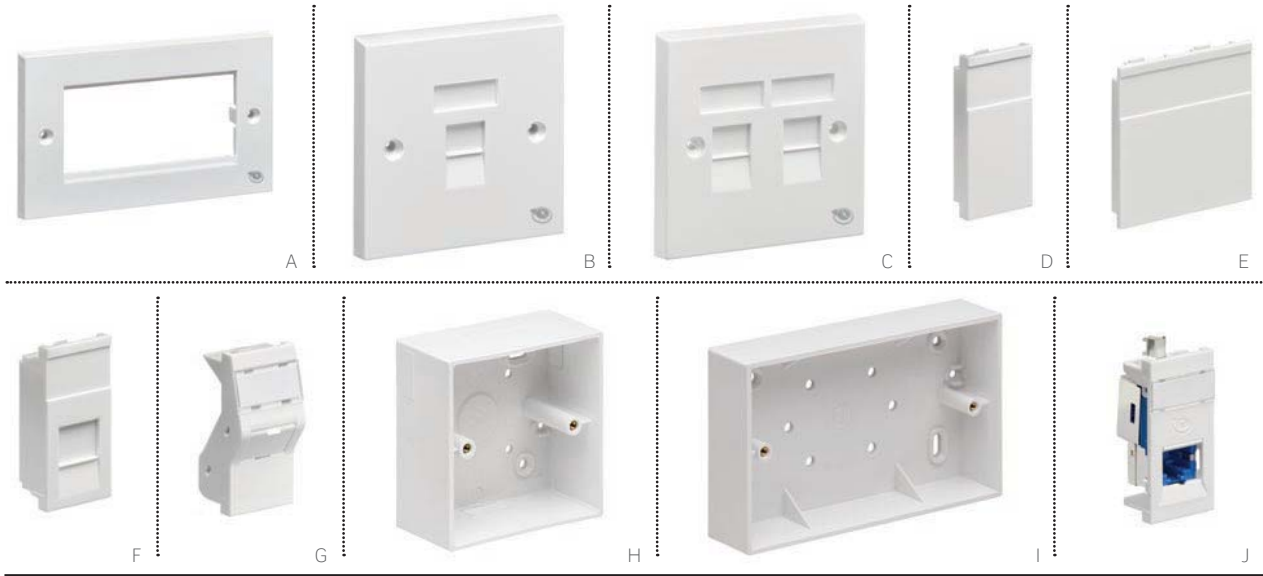
#### DIN RAIL SNAP-IN JACK MODULE

<b>[C]</b> 1-Port DIN Rail Snap-In Jack Module, white	MMCDINSJS8
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#### FLOORBOX BRACKETS & MODULES (LJ6C-Style)

6-Port Floorbox Bracket, white	MMCFBBSIJ645U
9-Port Floorbox Bracket, white	MMCFBBSIJ945U
<b>[D]</b> 25 x 38 mm Shuttered Floorbox Module, white	MMCWDO06C001
<b>[E]</b> 25 x 38 mm Angled Shuttered Floorbox Module, white	MMCANG06C3
<b>[F]</b> 25 x 38 mm Floorbox Blank, white	MMCBLK06C3
25 x 38 mm Slimline Shuttered Module, unshielded, white	GPCSL06CUB03

# HOUSINGS & FACEPLATES | UK-Style Faceplates, Back Boxes & Modules



## UK-STYLE FACEPLATES, BACK BOXES & 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
- Fibre modules available (see page C8)

## GIGAPLUS CAT 5E SLIMLINE SHUTTERED MODULES

- Suitable where internal back box space is limited
- Colour-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
<b>[A]</b> 86 x 147 mm Double-Gang Modular Faceplate, white	MMCWDOUNI031
<b>[B]</b> 86 x 86 mm 1- Port Shuttered Faceplate, white	MMCWDOUNI070
<b>[C]</b> 86 x 86 mm 2- Port Shuttered Faceplate, white	MMCWDOUNI071
12.5 x 50 mm Faceplate Blank, white	MMCWDOUNI052
<b>[D]</b> 25 x 50 mm Faceplate Blank, white	MMCWDOUNI042
<b>[E]</b> 50 x 50 mm Faceplate Blank, white	MMCWDOUNI040
<b>[F]</b> 25 x 50 mm Shuttered Faceplate Module, white	MMCWDOUNI062
<b>[G]</b> 25 x 50 mm Angled Faceplate Module, white	MMCANG0623
<b>[H]</b> 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
<b>[I]</b> 32 mm Deep, double-gang back box, white	MMCDGBB32002

### GIGAPLUS CAT 5E SLIMLINE SHUTTERED MODULES

DESCRIPTION	UNSHIELDED	SHIELDED
<b>[J]</b> 50 x 25 mm Slimline Shuttered Module, white	GPCSL062UB03	GPCSL062SB03
50 x 25 mm Angled Slimline Shuttered Module, white	GPCSLA62UB03	—

# HOUSINGS & FACEPLATES | Continental Outlets, Faceplates & Modules



## 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.
<b>[A]</b> 1-Port Snap-In-Jack Module, white	MMCUNILGS45001
<b>[B]</b> 2-Port Snap-In-Jack Module, white	MMCUNILGD45001
<b>[C]</b> 1-Port Angled Snap-In-Jack Module 45 x 45 mm, white	MMCANGLGS45002
<b>[D]</b> 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

## SPOTLIGHT

### In-Ceiling System for Wireless Access Points



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

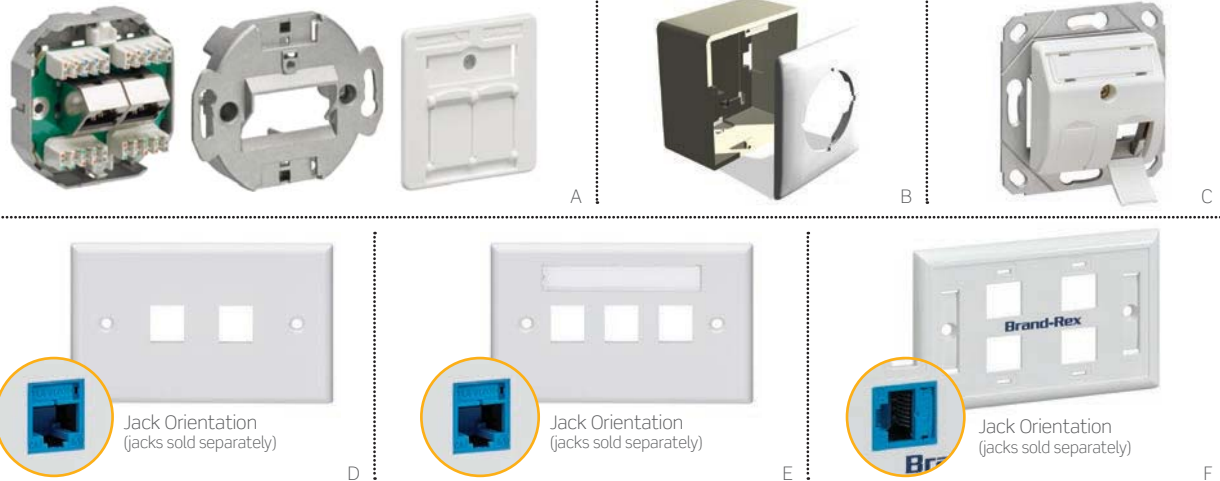
The system of jacks, boxes, and brackets provides a testable permanent link in drop ceilings to WAPs, while allowing the flexibility to move the In-Ceiling Bracket to refine Wi-Fi® coverage.



Approved for use  
in air handling spaces

QuickPort® In-Ceiling Bracket  
with clip and Surface-Mount Box

# HOUSINGS & FACEPLATES | Continental Outlets, Faceplates & Modules



Outlets, Modules & Faceplates

HOUSINGS & FACEPLATES

## 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
- GigaPlus Cat 5e Module allows for horizontal or vertical cable entry, fits a variety of custom faceplate styles

## 70 X 115 MM FACEPLATES (ITALY)

- 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
2-Port GigaPlus Cat 5e Module	GPCG245SU001	GPCG245SU002
1-Port Cat6Plus Cat 6 Shielded Module	18870NA	18870NB
<b>[A]</b> 2-Port Cat6Plus Cat 6 Shielded Module	18879NA	18879NB
2-Port 10GPlus Cat 6A Shielded Module	AC6G245U001	AC6G245SU002
<b>[B]</b> 80 x 80 mm Faceplate and Back Box	07058GE	07058GF
1-Port 50 x 50 mm German-Style Snap-in-Jack Module	—	MMCANGDK1453
<b>[C]</b> 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	18985JV	18985JW
70 X 115 MM FACEPLATES (ITALY)		
DESCRIPTION	PART NO.	
<b>[D]</b> 70 x 115 mm 2-Port Horizontal Faceplate, white	41070-2WS	
<b>[E]</b> 70 x 115 mm 3-Port Faceplate with ID Window, white	42070-3WS	
70 x 115 mm 4-Port Faceplate with Brand-Rex Logo, white	MMCUSIJ4001LO	
<b>[F]</b> 70 x 115 mm 4-Port Faceplate with Brand-Rex Logo and Options for Icons, white	MMCUSIJ4001LOICO	
70 x 115 mm 6-Port Faceplate with Brand-Rex Logo, white	MMCUSIJ6001LO	

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



## 45 X 45 MM & 50 X 50 MM FACEPLATE FIBRE 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 FIBRE MODULES

- Duplex SC and ST single-mode and multimode options

### 45 X 45 MM FIBRE FACEPLATE MODULES (FRANCE, SPAIN, PORTUGAL)

DESCRIPTION	PART NO.
<b>[A]</b> 45 x 45 mm Fibre Faceplate Module, LC quad multimode, white	FPCANGL4MM3
<b>[B]</b> 45 x 45 mm Fibre Faceplate Module, LC duplex multimode, white	FPCANGLCMM3
<b>[C]</b> 45 x 45 mm Fibre Faceplate Module, LC quad single-mode, white	FPCANGL4SM3
<b>[D]</b> 45 x 45 mm Fibre Faceplate Module, LC duplex single-mode, white	FPCANGLCSM3
45 x 45 mm Fibre Faceplate Module, SC duplex multimode, white	FPCANGDCMM3
45 x 45 mm Fibre Faceplate Module, SC duplex single-mode, white	FPCANGDCSM3

### 50 X 50 MM FACEPLATE MODULES (UK, INDIA, MIDDLE EAST, AFRICA)

50 x 50 mm Fibre Faceplate Module, LC quad multimode, white	FPCANGL4MM3UK
50 x 50 mm Fibre Faceplate Module, LC duplex multimode, white	FPCANGLCMM3UK
50 x 50 mm Fibre Faceplate Module, LC quad single-mode, white	FPCANGL4SM3UK
50 x 50 mm Fibre Faceplate Module, LC duplex single-mode, white	FPCANGLCSM3UK
50 x 50 mm Fibre Faceplate Module, LC APC duplex single-mode, white	FPCANGALSM3UK
50 x 50 mm Fibre Faceplate Module, SC APC duplex single-mode, white	FPCANGADSM3UK
50 x 50 mm Fibre Faceplate Module, SC duplex multimode, white	FPCANGDCMM3UK
50 x 50 mm Fibre Faceplate Module, SC duplex single-mode, white	FPCANGDCSM3UK

### MOS FIBRE MODULES

<b>[E]</b> 1 Duplex SC, zirconia ceramic, SM/MM, white (1 unit high)	41291-2CW
1 Duplex ST, zirconia ceramic, SM, white (1 unit high)	41291-2TW
1 Duplex ST, phosphor bronze, MM, white (1 unit high)	41291-2TW

# HOUSINGS & FACEPLATES | Jack & Housing Compatibility

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

✓ = Compatible  
 X = Not compatible

Jack & Housing  
 Compatibility

HOUSINGS & FACEPLATES

		HOUSINGS & BRACKETS				
						
		Multimedia Outlet System (MOS) Surface-Mount Box 41296-MMx	QuickPort® Surface-Mount Boxes 41089 Series	QuickPort Surface-Mount Boxes, Extended Depth 45089 Series	QuickPort In-Ceiling Bracket 49223-CBx	
JACKS & INSERTS (see pages A8 - A14)	QuickPort 	Atlas-X1™ eXtreme® GigaMax® AV	✓*	✓	✓	✓
	Multimedia Outlet System 	AV Fibre	✓	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 GigaPlus Cat 5e	X	X	X	✓

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

# HOUSINGS & FACEPLATES | Jack & Housing Compatibility

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

Jack & Housing  
Compatibility

HOUSINGS & FACEPLATES



# CABLE MANAGEMENT



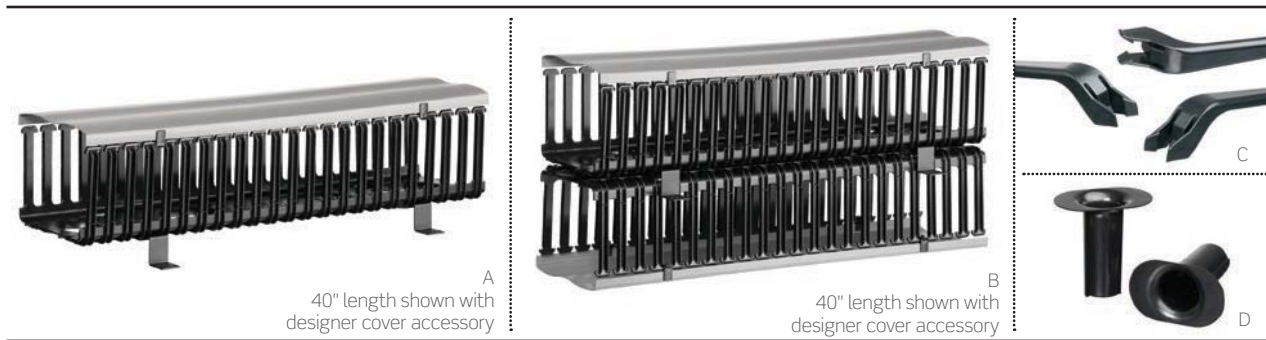


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## SECTION D CONTENTS

- D3** Versi-Duct® Cable Management System
- D5** Horizontal Cable Managers
- D6** Rear Cable Managers, Blanks & Transitional Covers
- D7** Rings & Brackets
- D8** VELCRO® Brand Fasteners

# CABLE MANAGEMENT | Versi-Duct® Cable Management System



## VERSI-DUCT CABLE MANAGEMENT SYSTEM

The innovative system for copper and fibre installations fits on any standard equipment rack, and accessories enable a wide range of configurations.

### VERSI-DUCT 8" CHANNEL CABLE MANAGEMENT

- Ideal for today's large-scale deployments and Cat 6A installations with typical larger-diameter cable
- 80-inch channel ships in two 40-inch pieces for easier handling and installation
- Channels available with standard black cover
- Designer cover (grey) available as an accessory
- Channels include mounting bracket kit and two covers, one slack-loop organiser, 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 centre-mounted for better space utilisation
- 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	<b>[A]</b> 8980L-VFO*	<b>[B]</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, grey (set of 2)	—	89265-8DC
Vertical Centre 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)	—	<b>[C]</b> 89265-WR1
Vertical Slack Loop Organiser, 8" (20.3 cm) W channel (package of 2)	—	<b>[D]</b> 89265-SL1

\* = Rear retrofit not available.

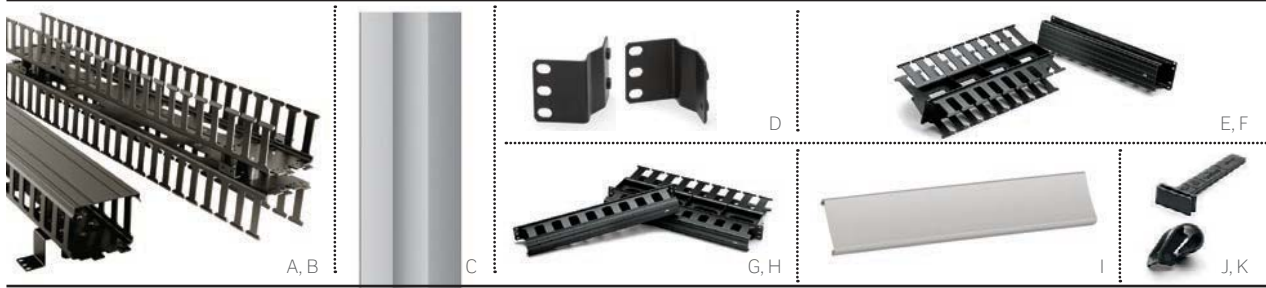
### 8" VERSI-DUCT CAPACITY CHART

Use the chart below to determine maximum recommended cable capacity for 8" Versi-Duct managers, based on average cable outside diameter. To ensure proper bend radius and space for future additions, do not fill to capacity at initial installation.

FEATURE	CHANNEL DEPTH (WXD)	USABLE AREA (IN <sup>2</sup> )	CAT 6A CAPACITY 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® Vertical & Horizontal Management



## VERSI-DUCT 5" CHANNEL CABLE MANAGEMENT

- 80-inch channel ships in two 40-inch pieces for easier handling and installation
- Interlocking tabs maintain flush channel alignment
- Finger spacing aligns with rack units

## VERSI-DUCT HORIZONTAL CABLE MANAGEMENT

- Fits all standard 19-inch racks
- Includes bend-radius-compliant clips
- Finger spacing aligns with patch panel port openings to better manage patch cords



Mount the Slack Loop Organizer on the duct fingers to manage excess cables.

### VERSI-DUCT 5" CHANNEL VERTICAL CABLE MANAGEMENT & ACCESSORIES

DESCRIPTION	FRONT ONLY	FRONT & REAR
Vertical 80" (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)	<b>[A]</b> 4940L-VFO+	<b>[B]</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, grey (set of 2)	—	<b>[C]</b> 59265-5DC
Vertical Centre Mounting Bracket, 5" (12.7 cm) channel (set of 2)	—	<b>[D]</b> 49265-BKT
Versi-Duct Slack Loop Organizer (set of 2)	—	49265-SL1
Versi-Duct Slack Loop Organizer (extended) (set of 2)	—	49265-SL2

### VERSI-DUCT HORIZONTAL CABLE MANAGEMENT & ACCESSORIES

Horizontal Manager, 2RU, 3" W x 3" D (7.6 x 7.6 cm) front, 2" W x 4" D (5.1 x 10.2 cm) rear*, with cover	<b>[E]</b> 492RU-HFO	<b>[F]</b> 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	<b>[G]</b> 491RU-HFO	<b>[H]</b> 491RU-HFR
Horizontal Designer Cover, 2RU, snap-on, grey	—	<b>[I]</b> 49265-DC2
Horizontal Designer Cover, 1RU, snap-on, grey	—	49265-DC1
Horizontal Cable Retainer (10 per package)	—	<b>[J]</b> 49265-WR1
Horizontal Cover Hinge (4 per package)	—	<b>[K]</b> 49265-HNG

† = Rear retrofit not available.

\* = Bend radius clips included.

## 5" VERSI-DUCT CAPACITY CHART

Use the chart below to determine maximum recommended cable capacity for 5" Versi-Duct managers, based on average cable outside diameter. To ensure proper bend radius and space for future additions, do not fill to capacity at initial installation.

FEATURE	CHANNEL DEPTH (WxD)	USABLE AREA (IN <sup>2</sup> )	CAT 6A CAPACITY 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



# CABLE MANAGEMENT | Horizontal Cable Managers

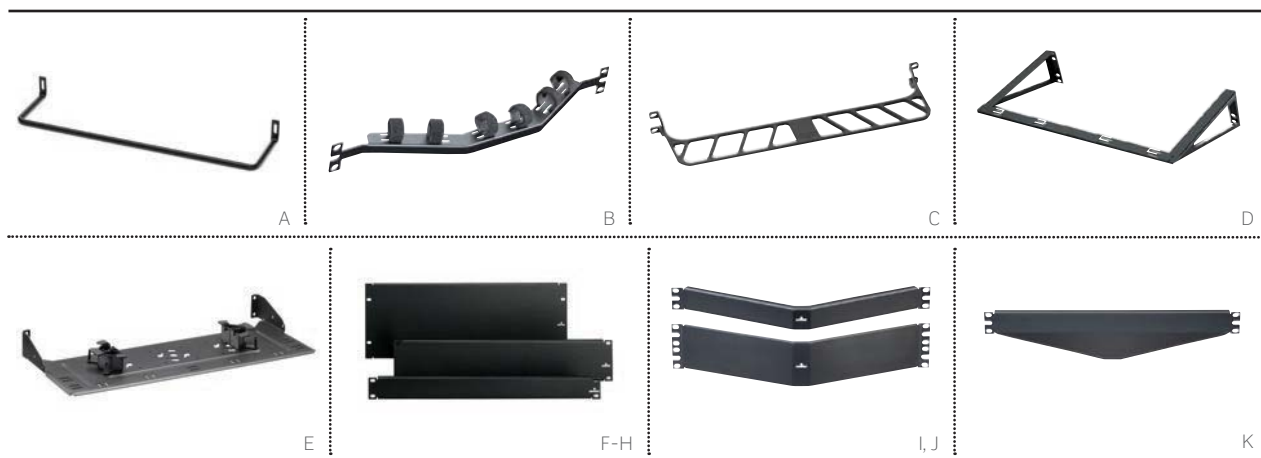


## HORIZONTAL CABLE MANAGERS

- Available in 1RU, 2RU, and 4RU sizes
- All mount to standard 19-inch racks and cabinets
- 4RU manager includes a shelf to support patch cords
- Horizontal managers support transition to vertical management

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 centre, 1RU, grey		MMCACCCM106	—
Horizontal with brush centre, 1RU, black	[G]	MMCACCCM006	—
Modular Cable Manager, black (for use with MMCPNLX24SIJ*)		MMCACCCMSIJ2	—
Modular Cable Manager, grey (for use with MMCPNLX24SIJ*)		MMCACCCMSIJ8	—

# CABLE MANAGEMENT | Rear Cable Managers, Blanks & Transitional Covers



## REAR CABLE MANAGEMENT BARS

- Standard Flat Cable Management Bar attaches to patch panel
- Angled bars attach to rack
- High-Density Cable Management Bar supports heavy loads of cable and mounts on front or rear of rack
- Rear Cable Management Bar for active equipment offers extended depth for power cord support and cutouts for air circulation
- e2XHD Rear Cable Manager for flat panel attaches to rack, includes rings to help manage and route incoming fibre 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	<b>[A]</b> 49005-CMB	<b>[B]</b> 49006-AMB
High-Density Cable Management Bar, 1RU	<b>[C]</b> 49005-DMB	—
Rear Cable Manager for Active Equipment, 2RU	<b>[D]</b> 41188-SM2	—
e2XHD Rear Cable Manager, with cable management rings (four ¼" rings)	<b>[E]</b> E2X1F-CMB	E2XHD-CMB

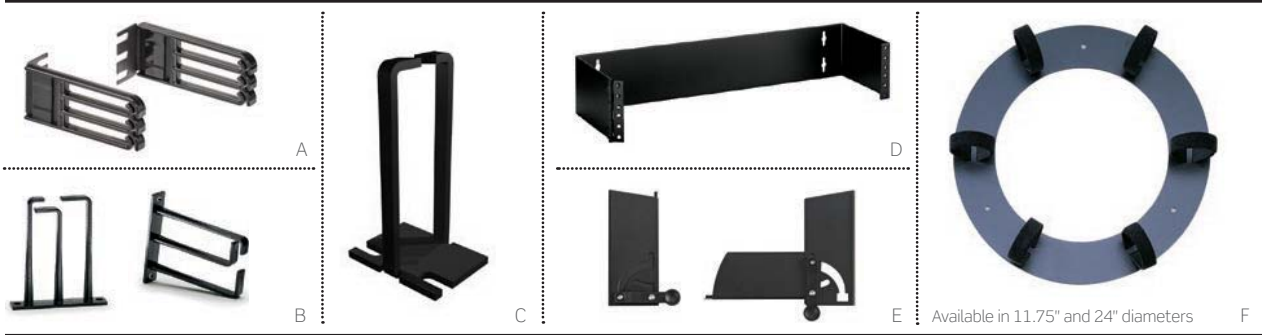
### BLANK PANEL INSERTS

Blank Panel, 1RU	<b>[F]</b> 49254-BP1	<b>[I]</b> 49254-BA1
Blank Panel, 2RU	<b>[G]</b> 49254-BP2	<b>[J]</b> 49254-BA2
Blank Panel, 4RU	<b>[H]</b> 49254-BP4	—
Blank Panel, 1RU, black	MMCACCCM004	—
Blank Panel, 2RU, black	MMCACCCM005	—

### TRANSITIONAL COVERS

Transitional Cover, 1RU	—	<b>[K]</b> 49254-BC1
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# CABLE MANAGEMENT | Rings & Brackets



## ORU PATCH CORD MANAGER

- Mounts on side of Leviton 1RU flush-mount enclosures and flat or angled panels
- Rigid fingers with cable retention feature to organise 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

## STORAGE RINGS WITH VELCRO® BRAND UTILITY FASTENERS

- Storage rings for inside and outside plant ensure copper and fibre optic bend radius; loops included

ORU PATCH CORD MANAGER	
DESCRIPTION	PART NO.
<b>[A]</b> ORU Patch Cord Manager (bag of 2)	5RCMT-VFG
CABLE MANAGEMENT RINGS	
<b>[B]</b> Vertical Transition Rings for Angled Panels, 2RU	49262-HR1
<b>[C]</b> Side Mounted, vertical	MMCACCCM002
HINGED WALL-MOUNT BRACKETS	
<b>[D]</b> 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	
<b>[E]</b> Front Hinged Bracket, 3RU	49400-FHB
STORAGE RINGS WITH VELCRO® BRAND UTILITY FASTENERS	
Storage Rings, inside plant, 11.75" (29.9 cm) diameter	48900-IFR
<b>[F]</b> Storage Rings, outside plant, 24" (61 cm) diameter	48900-OFR



## 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	PART NO.
<b>[A]</b> Tie Wrap, 5" (12.7 cm) (25 units per roll), black	43105-005
<b>[B]</b> Tie Wrap, 8" (20.3 cm) (25 units per roll), black	43108-008
<b>[C]</b> Tie Wrap, 12" (30.5 cm) (25 units per roll), black	43112-012
<b>[D]</b> Bulk Roll, 15' (4.57 m), black	43115-015
<b>[E]</b> Bulk Roll, 75' (22.86 m), black	43115-075
<b>[F]</b> Bulk Roll, 600' (182.88 m), black	43115-600
<b>[G]</b> SoftCinch Lite Roll, 75' (22.86 m), black	4S115-75E



SMARTPATCH®  
INTELLIGENT INFRASTRUCTURE



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## SECTION E CONTENTS

SMARTPATCH®	<b>E3</b>	Introduction
INTELLIGENT		
INFRASTRUCTURE	<b>E4</b>	Software
MANAGEMENT		
SOLUTIONS	<b>E7</b>	System Components
	<b>E8</b>	Accessories

# SMARTPATCH

## INTELLIGENT INFRASTRUCTURE MANAGEMENT SOLUTIONS

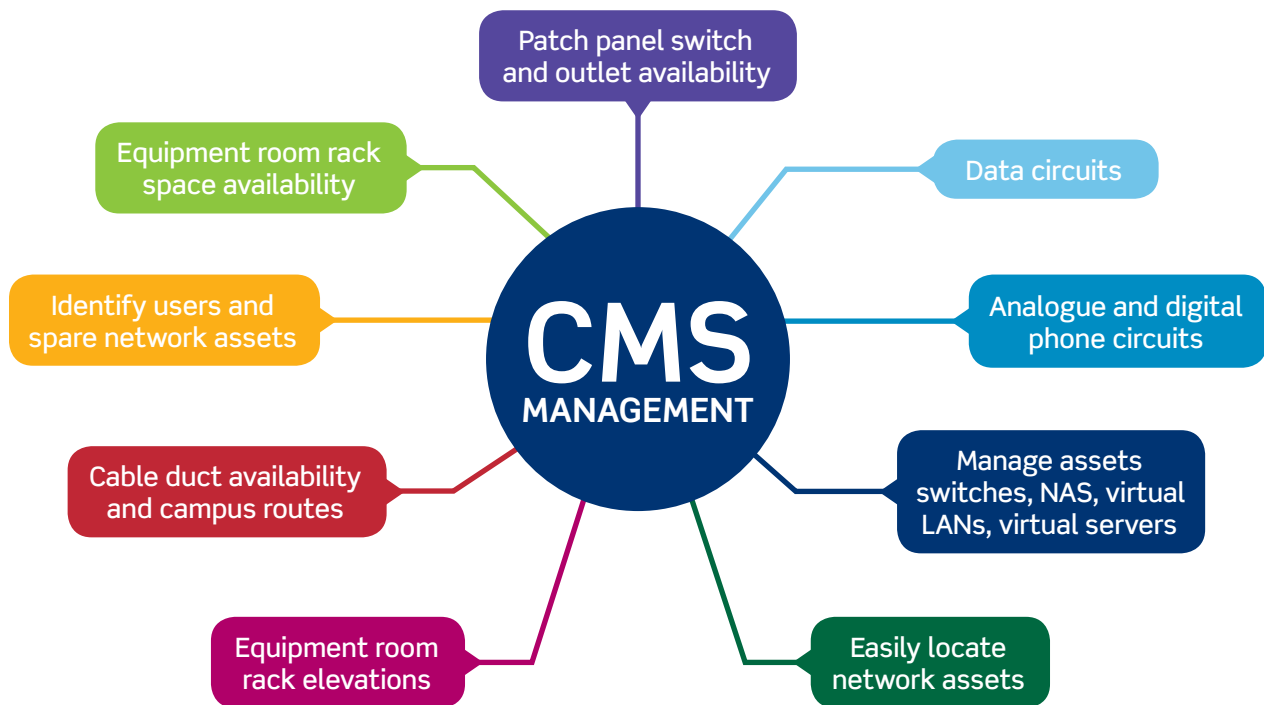


At the core of any IT Service Management framework are processes for configuration, change, and incident management. It is vital to maintain accurate and timely information to ensure the effectiveness and quality of these efforts.

SmartPatch provides simple and controlled management and recording of common network changes such as those resulting from office moves and terminal additions. The system also gives multisite businesses the tools to effectively monitor and manage all sites from a central location.

SmartPatch is widely recognised 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



## CONNECTIVITY MANAGEMENT SOFTWARE (CMS)

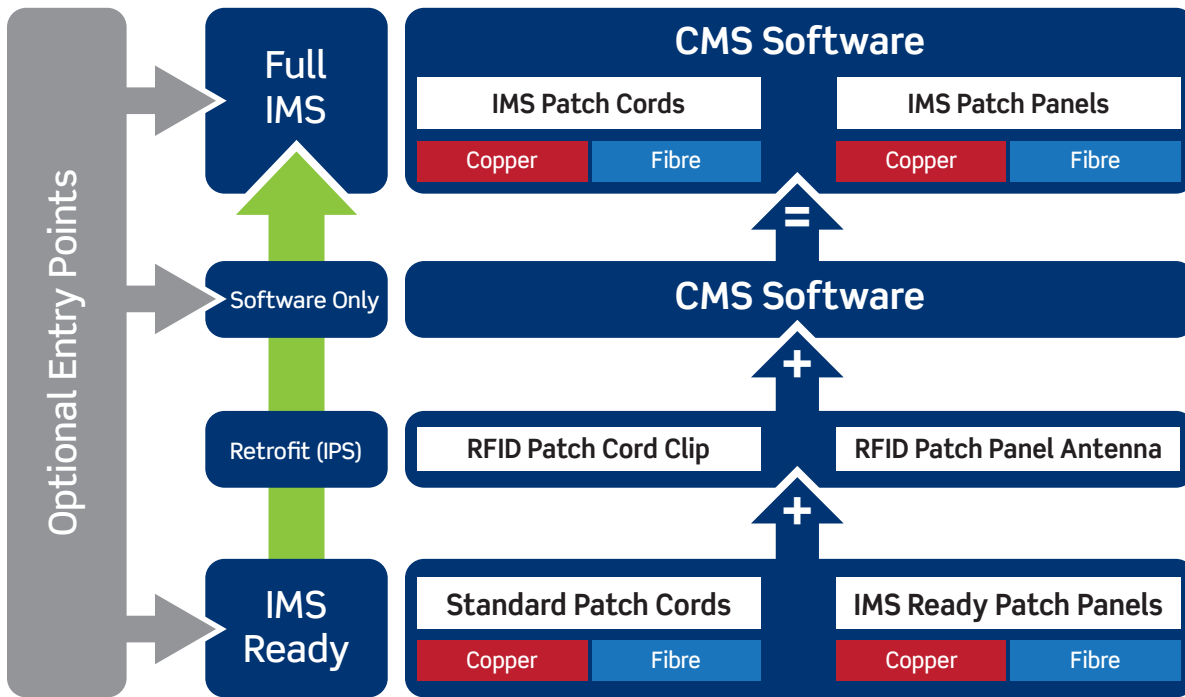
SmartPatch connectivity management software (CMS) can be used as a standalone offering to support your end-to-end infrastructure, or combined with the SmartPatch intelligent patching system to fully support data centre, outside plant, or office network management. The software allows the monitoring and 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 CMS also allows maps, drawing files, PDFs, and images to be imported, ensuring you can customise the network relative to specific area and location requirements.

### The Connectivity Management interface allows you to:

- Generate and maintain campus map layouts
- Design and manage your campus backbone cabling
- Visualise the paths of cables through a campus
- Easily manage fibre backbone availability
- Manage cabling and assets in manholes
- Manage fibre splicing and air-blown fibre
- Generate routes for new cables



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

- Manage end-user space in collocation data centres
- Manage and plan rack-space usage and power consumption
- Manage the lifecycle of data centre assets
- Manage data centre 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

CMS SOFTWARE (IN-HOUSE)		
DESCRIPTION	PART NO.	
SmartPatch Enhanced Software, server, in-house, 20 racks	IPSSWSVR20R	Basic Requirement*
SmartPatch Enhanced Software, server, in-house, racks expansion to 30 racks (10 racks expansion)	IPSSWSVRA1RE	Extension package possibilities when using IPSSWSVR20R as the basic requirement
SmartPatch Enhanced Software, server, in-house, racks expansion from 31 to 390 racks (10 racks expansion from 31 to 390 racks)	IPSSWSVRA2RE	
SmartPatch Enhanced Software, server, in-house, racks expansion from 391 racks (10 racks expansion from 391 racks)	IPSSWSVRA3RE	
SmartPatch Managed Ports, 500 ports	IPSSWSVRA5P	

\* Restricted to 12 user-defined attributes, 10 reports, 20 work orders, 2 resources, and does not include access to the API other than via the standard bridges. Feature upgrade up to 30 racks. Unrestricted user-defined attributes, reports, work orders, resources, 3D visualisation, and full access to the API.

**IN-HOUSE SOFTWARE (CONTINUED)**

FEATURE UPGRADE CMS SOFTWARE (IN-HOUSE)		
DESCRIPTION	PART NO.	
SmartPatch Enhanced Software, server, in-house, feature upgrade to 30 racks	IPSSWSVRA1RFU	Upgrade package possibilities when using IPSSWSVR20R as the basic requirement
SmartPatch Enhanced Software, server, in-house, feature upgrade from 31 to 390 racks (10 racks expansion from 31 to 390 racks)	IPSSWSVRA2FU	
SmartPatch Enhanced Software, server, in-house, feature upgrade from 391 racks (10 racks expansion from 391 racks)	IPSSWSVRA3FU	
CMS BRIDGE SOFTWARE (IN-HOUSE)		
SmartPatch Enhanced Software, server, in-house, GIS integration	IPSSWSVRGSI	System integration possibilities when using IPSSWSVR20R as the basic requirement
SmartPatch Enhanced Software, in-house, switch data synchronisation bridge	IPSSWSVRSDIB	
SmartPatch Enhanced Software, server, in-house, data integration bridge	IPSSWSVRDIB	
CMS SUPPORT		
SmartPatch Enhanced Software Service Agreement	IPSSWSVRSAE	

**SOFTWARE AS A SERVICE**

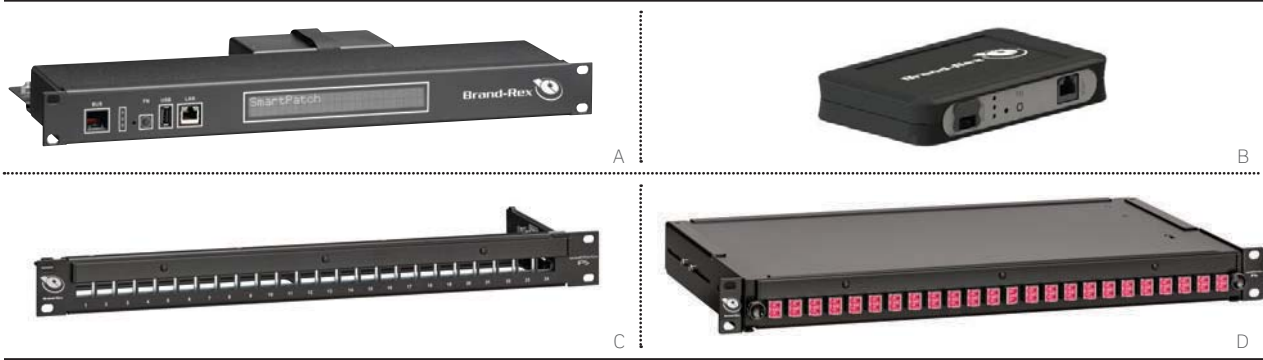
CMS SOFTWARE (SAAS)		
DESCRIPTION	PART NO.	
SmartPatch Enhanced Software, SaaS, 20 racks annual contract	IPSSWSVR20R-CA	Basic Requirement*
SmartPatch Enhanced Software, SaaS, expansion to 30 racks annual contract (10 racks expansion SaaS)	IPSSWSVRA1RE-CA	Extension package possibilities when using IPSSWSVR20R-CA as the basic requirement
SmartPatch Enhanced Software, SaaS, expansion from 31 to 390 racks (10 racks expansion SaaS)	IPSSWSVRA2RE-CA	
SmartPatch Enhanced Software, SaaS, expansion from 391 racks (10 racks expansion SaaS)	IPSSWSRVA3RE-CA	
SmartPatch Manage Managed Ports Software, SaaS, 500 ports year contract	IPSSWSVRA5P-CA	
FEATURE UPGRADE CMS SOFTWARE (SAAS)		
SmartPatch Enhanced Software, SaaS, Feature Upgrade to 30 racks annual contract	IPSSWSVRA1RFU-CA	Upgrade package possibilities when using IPSSWSVR20R-CA as the basic requirement
SmartPatch Enhanced Software, SaaS, Feature Upgrade from 31 to 390 racks annual contract (10 racks expansion SaaS)	IPSSWSVRA2FU-CA	
SmartPatch Enhanced Software, SaaS, feature upgrade from 391 racks annual contract (10 racks expansion SaaS)	IPSSWSRVA3FU-CA	
FEATURE UPGRADE CMS BRIDGE SOFTWARE (SAAS)		
SmartPatch Enhanced Software, SaaS, manage SaaS GIS integration annual contract	IPSSWSVRGSI-CA	System integration possibilities when using IPSSWSVR20R-CA as the basic requirement
SmartPatch Enhanced Software, SaaS, switch data synchronisation bridge annual contract	IPSSWSVRSDIB-CA	
SmartPatch Enhanced Software, SaaS, data integration bridge	IPSSWSVRDIB-CA	

\* Restricted to 12 user-defined attributes, 10 reports, 20 work orders, 2 resources, and does not include access to the API other than via the standard bridges. Feature upgrade up to 30 racks. Unrestricted user-defined attributes, reports, work orders, resources, 3D visualisation, and full access to the API.

Software

SMARTPATCH

# SMARTPATCH® | System Components



## ADVANCED SCANNER HARDWARE

- Connects the Intelligent patch panels to the SmartPatch connectivity management software
- Can be mounted as a 1RU device or in a zero RU configuration

## INTELLIGENT COPPER PATCH PANELS

- 24 ports in 1RU
- Intelligent-ready panel can be loaded with an RFID antenna for monitoring and recording patching status
- LED lights above each port trace connectivity and offer patching guidance to engineers
- Includes integrated cable management

## INTELLIGENT FIBRE PANELS

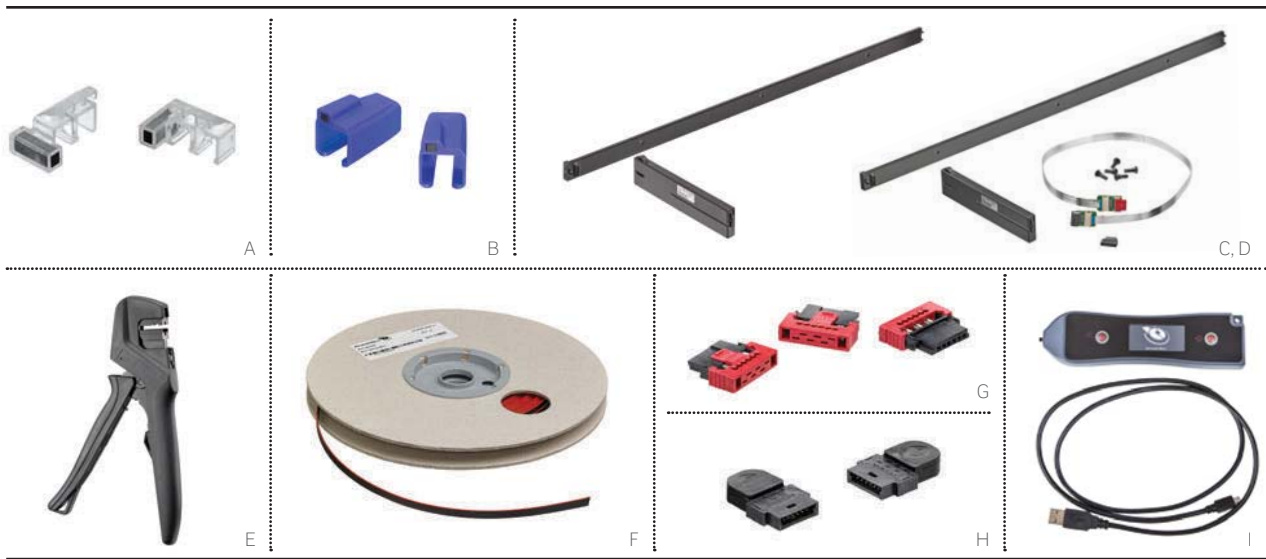
- 48 fibres (24 duplex LC ports) in 1RU
- Flexible, versatile solution for optical splicing and patching
- Intelligent-ready panel can be loaded with an RFID antenna for monitoring and recording patching status
- LED lights above each port trace connectivity and offer patching guidance to engineers

### SMARTPATCH SCANNERS

DESCRIPTION	PART NO.
<b>[A]</b> 1RU Network Scanner, black	IPSRTU1U2
<b>[B]</b> Zero RU Network Scanner, black	IPSRTU0U2

### SMARTPATCH PANELS

DESCRIPTION	IMS	IMS READY
<b>[C]</b> 1RU 24-Port Snap-in-Jack Inline Copper Panel, black	IPSPNLX24SIJ2M	IPSPNLX24SIJ2M-X
<b>[D]</b> 1RU 48-fibre LC duplex Multimode Fibre Panel, black	IPSC1SXMM48LC2	IPSC1SXMM48LC2-X
1RU 48-fibre LC duplex Single-Mode Fibre Panel, black	IPSC1SXSM48LC2	IPSC1SXSM48LC2-X



### SMARTPATCH RETROFIT RFID CLIP FOR FIBRE PATCH CORD

- Transforms standard Leviton patch cords into intelligent cords
- Integrated RFID stores additional information including length, measurement reports, location, and more
- Can be mounted at any stage in the process even if live connections are already established

### SMARTPATCH RETROFIT RFID CLIP FOR COPPER PATCH CORD

- Transforms standard Leviton patch cords into intelligent cords
- Integrated RFID stores additional information including length, measurement reports, location, and more
- Can be mounted at any stage in the process even if live connections are already established
- Compatible with Leviton 10GPlus and Cat6Plus shielded patch cords

### SMARTPATCH IPS RETROFIT ANTENNA

- 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
- Fibre kit also includes jumper cable

#### SMARTPATCH RFID PATCH CORD CLIPS & ANTENNAS

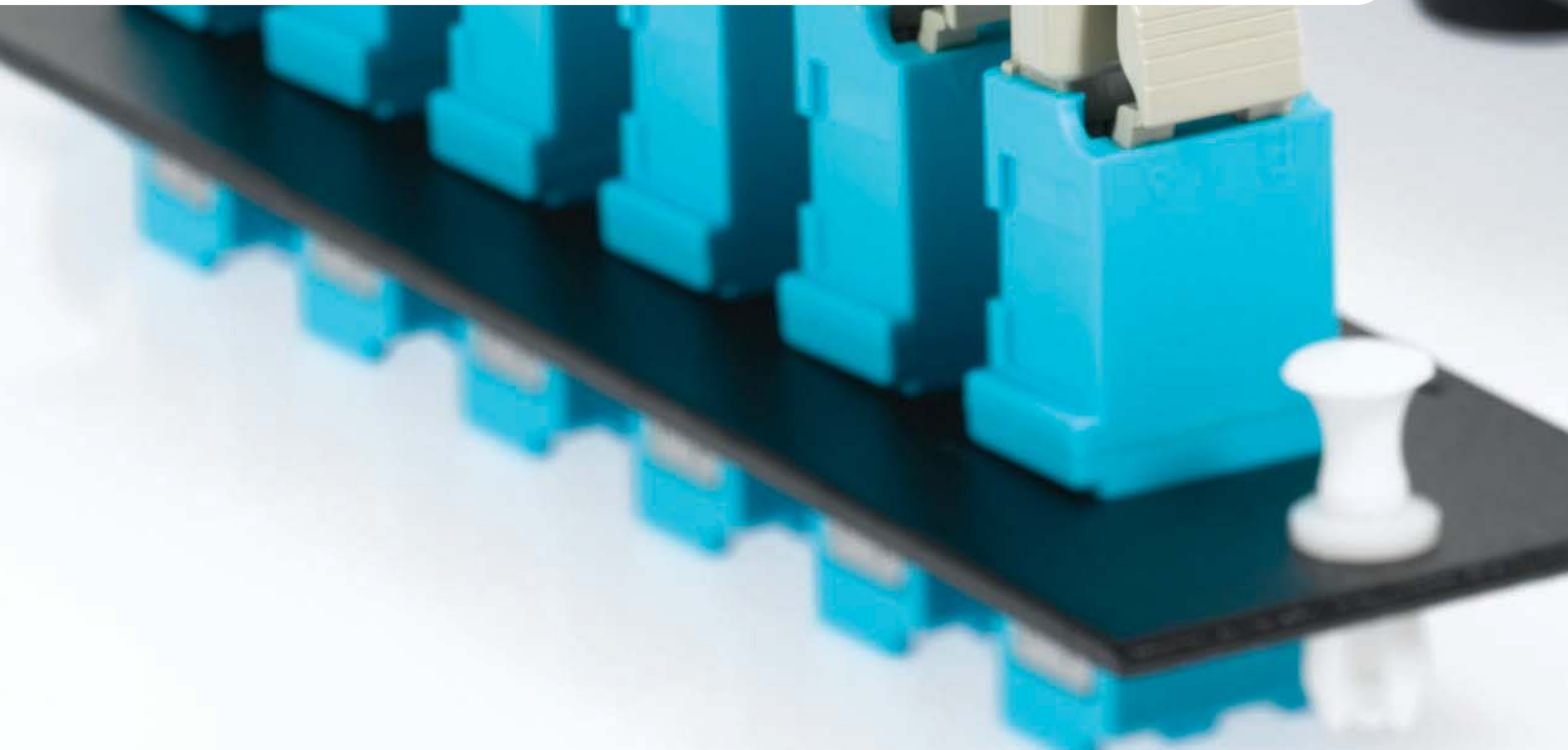
DESCRIPTION	PART NO.
<b>[A]</b> RFID Clip LC Fibre Patch Cord Clip, transparent, individual clip (one required for each cord end)	IPSPCLPLCD
<b>[B]</b> RFID Copper Patch Cord Clip, blue, individual clip (one required for each cord end)	IPSPCCHB004
<b>[C]</b> Copper Antenna Kit, black	IPSATTRFID001
<b>[D]</b> Fibre Antenna Kit with Jump Lead, black	IPSATTRFID002

#### SMARTPATCH BUS CABLE SYSTEM & TOOLS

<b>[E]</b> Connector Crimp Tool	IPSCRT00L2
<b>[F]</b> Bus Tab Cable (26 AWG 7/0.14 mm 1.27 mm pitch 6 way), black and red, 25 m reel	IPSTCBL6W2
<b>[G]</b> Inline Crimp Bus Cable Locking Connector (female), black, 10 per pack	IPSCON6WV90
<b>[H]</b> Bus End Terminator (male with resistor), black, 2 per pack	IPSCON6W180
<b>[I]</b> HF RFID Writer/Reader	IPSFIDRW2



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- **Ruggedized Patch & Breakout Cables:** B47
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