

THE SMART CHOICE
For A Better Network

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Find our complete line of residential networking solutions in Leviton's Connected Home catalog. Download online at leviton.com/connectedhome or contact inside sales at 800.722.2082 or +1.425.486.2222 to request a copy.



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Learn more about our
new products at
leviton.com/nsnewproducts



The Smart Choice for a Better Network



RESOURCES

PHONE / EMAIL SUPPORT

- **Inside Sales**
Call 800.722.2082 or +1.425.486.2222
Email insidesales@leviton.com
- **Technical Support**
Call 800.824.3005 or +1.425.486.2222
Email appeng@leviton.com
- **Specification Support**
Visit leviton.com/specteam
Email specteam@leviton.com

WEB SUPPORT

- **Make to Order (MTO)**
leviton.com/configurator
- **Technical Support**
leviton.com/ns/support
- **Training Videos**
leviton.com/ns/techlibrary & youtube.com/levitonmfg
- **BIM Objects**
leviton.com/bim
- **Visio Stencils**
leviton.com/visio
- **Structured Media Center® Planning Worksheet**
leviton.com/homeconfig
- **Manuals & Guides**
leviton.com/ns/techlibrary
- **Application / Tech Notes**
leviton.com/ns/techlibrary
- **Independent Testing Information**
leviton.com/ns/testresults
- **Literature Library**
leviton.com/ns/litlibrary
- **Dimensional Line Art**
leviton.com/ns/techlibrary
- **Detailed Termination Diagrams**
leviton.com/ns/techlibrary
- **Specification Team**
leviton.com/specteam
- **Live Chat**
leviton.com/support
- **Knowledgebase & Forums**
communities.leviton.com
- **CrossTalk Newsletter**
leviton.com/crosstalk

SOCIAL NETWORK



The Smart Choice for a Better Network

Thank you for choosing **Leviton Network Solutions**. For the past 25 years we have developed an unparalleled selection of high-performance connectivity solutions and systems. But it's more than products that make Leviton stand out. Our exceptional service, specialized customer programs, and technical expertise will help take your projects to the next level.



Leviton Network Solutions - Bothell, WA

From the United Kingdom to the United Arab Emirates, Mexico to Malaysia, dedicated Leviton personnel help customers select the ideal network infrastructure solutions for their needs. Our inside sales team, applications engineers, specifications experts, certified contractors, and technical support staff all assist our global customers with everything from vendor selection to post-installation support. **Thirteen international offices** and **hundreds of sales locations** support customers in more than **80 countries worldwide**, and we're continually expanding our international operations. For more detail on how we deliver the best products and service in the industry around the world, turn the page.



The Smart Choice for a Better Network

OUTSTANDING RETURN ON INVESTMENT

"True return on investment is much more than a simple calculation. When you choose Leviton, you get the backing of a company with integrity."

- Brad Leland, Vice President, Network Solutions Sales



Get The Best Value With Leviton

A trusted, proven brand

A high return on investment is essential for all major IT purchases. And at Leviton, we understand that the best value comes from more than a high quality, affordable product — it means delivering peace of mind. That's why we stand behind every installation, from guaranteed performance to unbeatable service and support, throughout the life of your structured cabling system. Add in the reassurance that comes from working with a stable, century-old supplier and you get far and away the highest return on investment in the industry.

The Smart Choice for a Better Network

OUTSTANDING
RETURN
ON
INVESTMENT

"We invent the industry's best technologies. We build them to last. And we back them up with incredible service and support. Whatever your need, we can provide it, and we will stand behind it."

- Ross Goldman, Vice President and General Manager,
Network Solutions

It All Adds Up

On the following pages, you'll find information about Leviton resources and strengths that lead to the best ROI in the industry. We've also outlined the solutions and expertise that we offer to key market segments, including data centers, health care, government, education, and multiple dwelling units (MDUs).

The Smart Choice for a Better Network

COMMITTED TO OUR CUSTOMERS & THE ENVIRONMENT

A Name You Can Trust

Longevity and stability in a rapidly changing world



Scott Robinson

Senior Director of Applications Engineering, Quality, and Product Development

Leviton Network Solutions is part of Leviton Manufacturing, a family-owned business led by just three CEOs in its 100+ year history. But family-owned doesn't mean small. Leviton is the world's largest privately held producer of electrical and data connectivity devices. We've been here through the Great Depression and the Great Recession, the electrical age and the information age, and everything in between. We'll be here through the life of your installation - and beyond. Our people stick around, too. Take **Scott Robinson**, Senior Director of Applications Engineering, Quality, and Product Development. Scott has been with Network Solutions for 22 years, wearing many hats. Scott knows Leviton products inside-out, and has helped build loyal, lifelong customers. It's leadership from people like Scott that make Leviton a brand you can trust.

Customers Around the World

Installations in every industry

Thousands of organizations all across the globe have installed Network Solutions copper and fiber infrastructure systems. And with distribution locations on every continent except Antarctica, we're ready to serve customers in every

location and every industry. Mission critical data centers, universities and K-12 schools, hospitals, government agencies and military bases, you name it, we've done it. Just ask **Pete Newman**. As Senior Director of International Business Development with a 22-year history at Leviton Network Solutions, Pete has helped customers in markets and regions around the world. He's dedicated to ensuring every need is met and customers receive local support and resources from Leviton specialists.



Pete Newman

Senior Director of International Business Development

Creating a Sustainable Future

Reducing our carbon footprint

Leviton's "Go Green" initiative provides a framework for reducing our environmental impact organization-wide. At our Network Solutions headquarters facility, we've retrofitted all our lighting fixtures, saving 270,000 kWh annually, and we monitor energy use with a Leviton-made sub-metering system. We recycle all scrap metal, and re-use leftover plastics in new production. Our pre-terminated solutions and contractor packs reduce jobsite waste. Lead-free RoHS-compliant products and post-consumer recycled packaging also help keep our world clean.



The Smart Choice for a Better Network

With **Leviton's multi-tiered support structure** you get the number one ranked service in the industry. That means you can call on a variety of Leviton experts to help you with each and every project.

For expert installation, count on a **Leviton Certified Contractor**. These experienced network installers deliver the highest-quality installations and are authorized to offer extended product and performance warranties on qualified projects.

For starters, you might talk to one of our many knowledgeable and friendly **Customer Service** representatives who can answer questions about your purchase, get you a quote on a product, or direct you to the right field support or distributor in your city.

To answer a more technical question, talk to a **Technical Support** representative who can assist with product and network troubleshooting, whether over the phone or through our online live chat. More than 90% of issues are resolved by the tech support team on the first call.

If you need assistance with a government job, our **U.S. Government Team** can provide the contacts, product knowledge, and support services you need to build successful installations in that very specialized network environment.

THE INDUSTRY'S BEST SERVICE & SUPPORT

Whenever and wherever
you need assistance.
We're Here.

For projects located in Latin America, Asia, the Middle East, or just about anywhere else in the world, our team of **Global Account Managers** will work in tandem with customer service to deliver the products and support you need.

If you are planning a more complicated network in a data center, our **Data Center Design Group** can provide additional support specific to your installation and even help create customized product solutions through our Make to Order program.

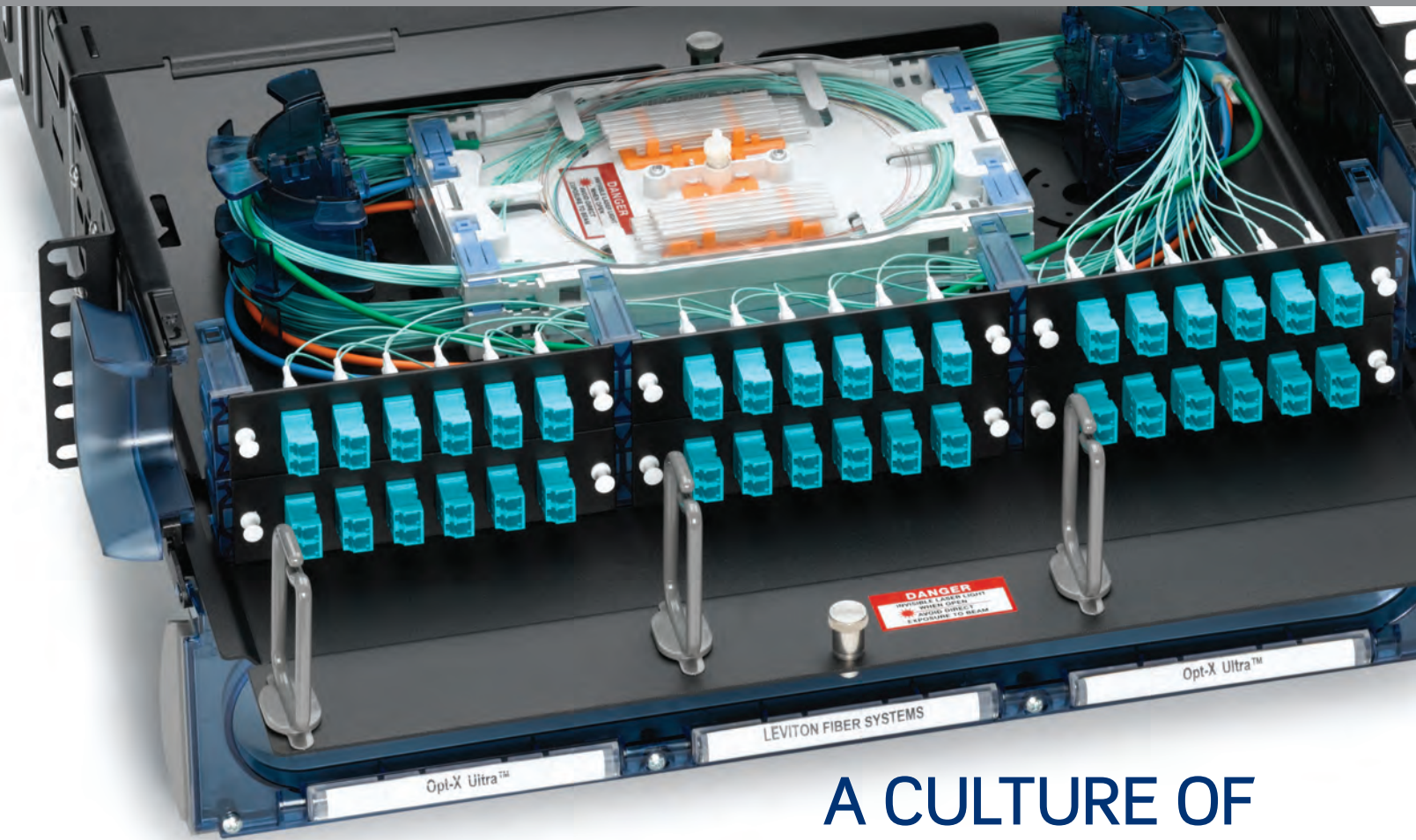
For network design architecture, your spec engineer might team up with one of our **Applications Engineers** to help with topology, layout, elevations, and pathways, to ensure that the infrastructure will best meet your application needs.

If you need help with specification, one of our **Specification Engineers** can take you through the specification process, from initial design to move-in, ensuring that your equipment will provide optimal performance and comply with industry standards.

Our Inside Sales Team.
Customer service begins here.



The Smart Choice for a Better Network



A CULTURE OF INGENUITY & INNOVATION



Bret Taylor
Senior Mechanical Engineer

Industry-Leading Inventions

The foundation of tomorrow's networks

At Leviton, we're continuously inventing the solutions that drive next-generation networks, using tools like 3D software, network analyzers, rapid prototyping, and performance simulators. Put these tools in the hands of smart, creative people and you get innovative solutions that raise the bar on performance and aesthetics. People like **Bret Taylor**, a senior mechanical engineer who holds 24 U.S. patents in computer systems. Bret and other on-site, in-house development experts within Leviton's collaborative "Development Factory" have built an extensive patent portfolio that includes a wide array of performance, design, and process enhancements that improve product functionality and streamline production.



The Smart Choice for a Better Network

QUALITY & PERFORMANCE IN EVERY SOLUTION

Manufacturing Excellence

Guaranteed to exceed your expectations

Our products feature robust construction that reduces maintenance and downtime, with headroom that exceeds standards to boost network performance. We manufacture nearly all of our branded products at company-owned, ISO 9001-2008 certified plants. Engineers and technicians like **Neelam Singh**, senior quality engineer, evaluate and assure quality not only during product development but throughout the supply chain, from the supplier to the end user. All products include a workmanship warranty, guaranteeing material and manufacturing quality. Finally, limited lifetime performance warranty coverage is available when your system is installed by a certified contractor, protecting your investment and providing peace of mind.

Proven End-to-End Performance

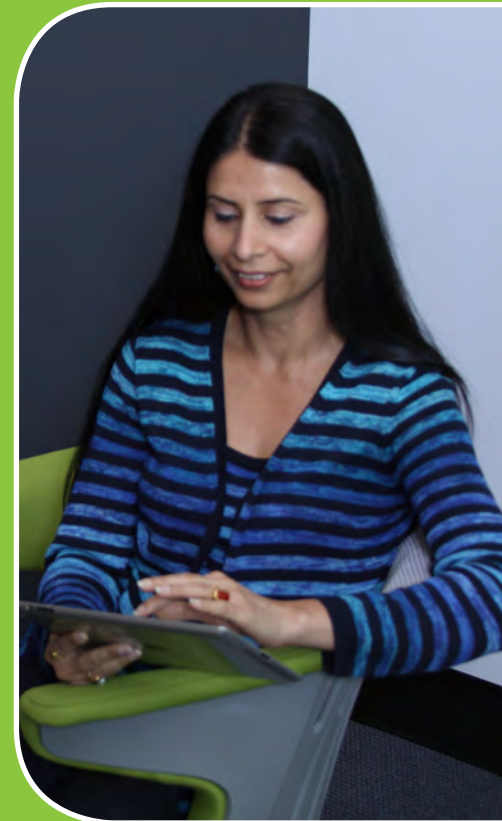
One company, every solution

Leviton has the end-to-end infrastructure solutions for your unique application, from state-of-the-art data centers and secure government networks to classroom technologies and mixed-use developments. Our broad selection includes independently-tested category-rated and fiber optic systems, the industry's widest selection of patch panels, copper connectors in 13 colors, and much more. We're sure to have the ideal solution for your next project.

Customized Solutions

Make-to-order program and custom products

Leviton's Make-to-Order (MTO) team collaborates with end users, contractors, and suppliers to deliver original product designs for any type of project. Whether it be specialized custom enclosures, pre-terminated trunks, or a new breed of patch panel, the MTO team ensures the new product meets the user's unique vision and gets delivered to the job site — fast. When the product you need can't be found in any catalog, rely on our dedicated MTO experts to bring it to life.



Neelam Singh
Senior Quality Engineer

Make To Order

Customized Solutions

At Leviton, we believe your network infrastructure should meet your needs - no exception. That's why we offer a quick-ship Make-to-Order (MTO) program for all of our enclosures, MTP® modules, and fiber and copper cable assemblies, including plug-n-play pre-terminated solutions for rapid deployment. We even have a dedicated MTO factory staffed with order customization specialists. Have a unique requirement? Our engineers will work with you to design and manufacture a solution that meets your specific application requirements.

Email Leviton's spec team at specteam@leviton.com, or visit leviton.com/configurator for more information.

Build
your own!

leviton.com/configurator

For assistance configuring your make-to-order (MTO) product, email Leviton's spec team at specteam@leviton.com or call 800.722.2082.



COPPER

Cable Assemblies

- 10G Cable Assemblies
- Secure RJ System
- CAT 6A/6/5e UTP & Shielded Patch Cords
- Pre-terminated Trunks



FIBER

Cable Assemblies

- Fiber Trunks
- Fiber MTP Harnesses
- Fiber Patch Cords & Pigtailed
- MTP to LC Trunks
- Secure Keyed LC Cable Assemblies



COPPER

Enclosures & Panels

- VertiGO® Quickport® Zero-U
- C1 Ultra Composite Patch Panel



FIBER

Enclosures & Accessories

- Opt-X Ultra®
- Opt-X® 1000i
- VertiGO Zero-U
- LightSpace® Enclosures
- MTP Modules
- High-Density Flush-Mount
- Replicator®

Data Center Solutions

Data Center

Performance. Cost containment. Energy efficiency. Security. Rack density. Virtualization. Rapid deployment. And, of course, reliability. Data centers have numerous priorities, all of them crucial to successful data management.

Partner with Leviton's data center specialists to help ensure that your customers' infrastructure designs support their objectives. Our **data center design group and specifications team** provide technical support, including design, layout, elevations, pathways, and specifications, customized to each installation. They can also help create product solutions customized to any architecture through our extensive make-to-order (MTO) program.

Email Leviton's data center team at dcteam@leviton.com, or visit leviton.com/datacenter for more information.



FIBER OPTIC INFRASTRUCTURE 38 Customizable Models

- Opt-X® Enclosures
- Replicator® with LPM
- Vertigo® Zero-U
- High-Density Flush-Mount Enclosures
- Opt-X® Unity 40/100G System
- Adapter Plates & MTP Modules
- Connectors



CABLE MANAGEMENT Support & Organize Cable Runs

- Fiber Raceway
- Versi-Duct®
- Horizontal & Rear Managers
- VELCRO® Brand



FLX SERIES RACK PDUs Data Center Ready Solutions

- Metered and Basic
- 120V & 208V Single-Phase and 208V 3-Phase (Delta or WYE)
- Output Power From 2.0 kw to 12.5 kw
- Smart Meter Technology Displays



CABLE ASSEMBLIES Quick Turn Delivery

- Pre-terminated Copper & Fiber Trunks
- Harnesses
- Patch Cords & Pigtails



CAT 6A STRUCTURED CABLING Component-Rated Performance

- Connectors
- QuickPort® Patch Panels
- 110-Style Patch Panels
- C1 Ultra Composite Patch Panels
- Patch Cords
- Pre-terminated Trunks



SECURE CONNECTIVITY Secure Keyed LC & Secure RJ Systems

- Make-to-Order Cable Assemblies
- Matching Color Extraction Tools
- Port Blockers
- Field-Installable LC Connectors

Vertical Market Solutions

Health Care

Today's health care campuses and networks must store, process, and distribute huge amounts of data, usually through one or more data centers. Transporting this data, whether internally or between entities, demands secure, high-bandwidth copper and fiber systems. Paging, nurse call, biomedical equipment, and other specialized communications increase bandwidth requirements and exacerbate pathway congestion. HIPAA, the Health Insurance Portability and Accountability Act, defines regulations for protecting, storing, and sharing patient information. System reliability is essential. 100% uptime, seamless and secure wireless accessibility to electronic information, and preventing EMI and RFI all pave the way to efficient administrative operations and lifesaving patient care.

With so many critical considerations, thorough planning and robust design are musts. Work with **Leviton's applications engineering and specifications teams** to ensure that your customers' network infrastructure will serve their needs for years to come.

Email Leviton's specifications team at specteam@leviton.com or visit leviton.com/healthcare for more information.



CAT 6A STRUCTURED CABLING Component-Rated Performance

- Connectors
- QuickPort® Patch Panels
- 110-Style Patch Panels
- C1 Ultra Composite Patch Panels
- Patch Cords
- Pre-terminated Trunks



SHIELDED CONNECTIVITY

Protect Data Security & Isolate Signals

- Connectors
- QuickPort Patch Panels
- Patch Cords
- Pre-terminated Trunks
- Shielded Connectors



FIBER OPTIC INFRASTRUCTURE High-Speed, Energy-Efficient Backbone

- Opt-X® Enclosures
- Adapter Plates & MTP® Modules
- Cable Assemblies
- Fiber Raceway System
- Opt-X® Unity 40/100G system
- Connectors



INPATIENT ROOM SOLUTIONS Improve Patient Care

- QuickPort Data Connectors
- Telephone Jacks
- A/V Connectors
- CATV RCA & F-Connectors
- DuraPort® IP67-Rated System
- Stainless Steel Plates

Vertical Market Solutions

Government

Leviton is a leading network, electrical, and lighting solutions provider to the United States government. The majority of our products are on our distributors' GSA Schedule 70 or 51V. Plus, we're meticulous about conforming to GSA rules, including ARRA, Buy American, NAFTA, and TAA. In addition, our distributors have state contracts throughout the country, and we're an approved vendor of the U.S. Communities™ government purchasing alliance used by thousands of local and state governments.

Our dedicated **government team** has the critical contacts, product solutions expertise, and bid support services you need. Team members are aligned with branches of the military, government agencies, and systems integrators. They maintain relationships with "mandatory use" contract holders and GSA-schedule-approved distributors, as well as a network of highly-qualified small business contractors to meet set-aside requirements. In addition, specification support and training for contractors and government employees help maximize government contractor and agency success.

Email Leviton's government team at govteam@leviton.com, or visit leviton.com/gov for more information.



CAT 6A STRUCTURED CABLING Component-Rated Performance

- Connectors
- QuickPort® Patch Panels
- 110-Style Patch Panels
- C1 Ultra Composite Patch Panels
- Patch Cords
- Pre-terminated Trunks



FLX SERIES RACK PDUs Data Center Ready Solutions

- Metered and Basic
- 120V & 208V Single-Phase and 208V 3-Phase (Delta or WYE)
- Output Power From 2.0 kw to 12.5 kw
- Smart Meter Technology Displays



SECURE KEYED LC SYSTEM A True Lock-in Lock-out LC System

- Make-to-Order Trunks & Harnesses
- Make-to-Order Patch Cords & Pigtailed
- Field-Installable Connectors
- Matching Color Extraction Tools
- Port Protection Plugs



FIBER OPTIC INFRASTRUCTURE High-Speed, Energy-Efficient Backbone

- Opt-X® Enclosures
- Adapter Plates & MTP® Modules
- Cable Assemblies
- Fiber Raceway System
- Opt-X Unity 40/100G system
- Connectors



SECURE RJ SYSTEM Lockable Copper Network Infrastructure

- Make-to-Order Patch Cords
- Matching Color Extraction Tools
- Port Blockers



SHIELDED CONNECTIVITY Protect Data Security & Isolate Signals

- Connectors
- QuickPort Patch Panels
- Patch Cords
- Pre-terminated Trunks

Vertical Market Solutions

Education

In the education sector, network infrastructure must last from one funding cycle to the next - typically 8-12 years. So when planning new installations, schools generally choose leading-edge technologies that can support successive generations of active equipment until new funding allows the next upgrade. But good academic network infrastructure design involves much more than lifespan considerations; it must effectively support all of the institution's communications, from voice and data to audio/visual, security systems, intercom, and public address.

Count on Leviton to help schools meet these needs. Our equipment is in thousands of educational institutions across the country, from elementary schools to multi-campus universities. Our **Education Team** has the depth of knowledge, including a thorough understanding of BICSI's new K-12 Design Standard, to expertly plan and design the infrastructure for any academic setting.

Email Leviton's specifications team at specteam@leviton.com or visit leviton.com/education for more information.



FIBER OPTIC INFRASTRUCTURE High-Speed, Energy-Efficient Backbone

- Opt-X® Enclosures
- Adapter Plates & MTP® Modules
- Cable Assemblies & Connectors
- Fiber Raceway System
- Opt-X Unity 40/100G system



SECURITY SOLUTIONS Enhance Student Safety

- Transceivers
- Baluns
- Hubs



CAT 6A STRUCTURED CABLING Component-Rated Performance

- Connectors
- QuickPort® Patch Panels
- 110-Style Patch Panels
- C1 Ultra Composite Patch Panels
- Patch Cords
- Pre-terminated Trunks



CLASSROOM SOLUTIONS Maximize the Learning Experience

- Voice, Data, & A/V Connectors
- Wallplates
- Multimedia Outlet System (MOS)



SECURE CONNECTIVITY Secure Keyed LC & Secure RJ Systems

- Make-to-Order Cable Assemblies
- Matching Color Extraction Tools
- Port Blockers
- Field-Installable LC Connectors



ZONE ENCLOSURES Flexible Consolidation Points in Ceilings or Floors

- Active Ceiling Enclosures
- Passive Raised-Floor Enclosure
- Passive Ceiling Enclosure

Vertical Market Solutions

Multiple Dwelling Units (MDUs)

Fast, secure broadband connectivity can make a difference to today's consumers, renters, home buyers, and small business operators. Leviton's high-performance connectivity can help your building projects stand out in the market and in turn increase occupancy rates and become preferred properties in their neighborhoods.

With a complete family of commercial and residential connectivity systems, Leviton is your whole-building solution for apartments, condominiums, duplexes, hotels, health care facilities, and mixed-use buildings. Our structured-wiring infrastructure provides a high-speed base to support enterprise-grade networks that are fast, reliable, flexible, and secure. From the telecommunications room patch panels and cable distribution to the in-suite Structured Media® Center and communications wallplates, Leviton has the solutions you need to stand out in the market.

Email Leviton specifications team at specteam@leviton.com, or visit leviton.com/mdu for more information on designing the ideal infrastructure configuration for your project.



FIBER ENTRY & BACKBONE High-Bandwidth Triple-Play Connectivity

- Opt-X® Enclosures
- Enclosure Accessories
- Cable Assemblies
- Cable Management



SPEAKERS & AUDIO DISTRIBUTION Professional-Quality Audio Systems

- JBL® & Spec-Grade™ Speakers
- JBL Home Theater Surround Sound
- Harman/Kardon® A-BUS® Audio System
- Volume Controls & Audio Distribution
- Home Theater Accessories



COPPER ENTRY & BACKBONE Telephone, DSL, & IPTV Connectivity

- CAT 6/5e Structured Cabling Systems
- Patch Panels
- Cable Management
- Patch Cords



STRUCTURED MEDIA® CENTERS Centralized Distribution for In-Home Technologies

- 14", 21", 28", & 42" Enclosures
- Twist & Mount Patch Panels
- Voice & Data Modules
- TV/CATV Splitters
- Switches & Routers
- Power Supplies



COAXIAL DISTRIBUTION Cable TV & Triple Play Connectivity

- TV/CATV Splitters
- Signal Amplifiers
- F-Type Compression Connectors
- Patch Panels

COPPER SOLUTIONS

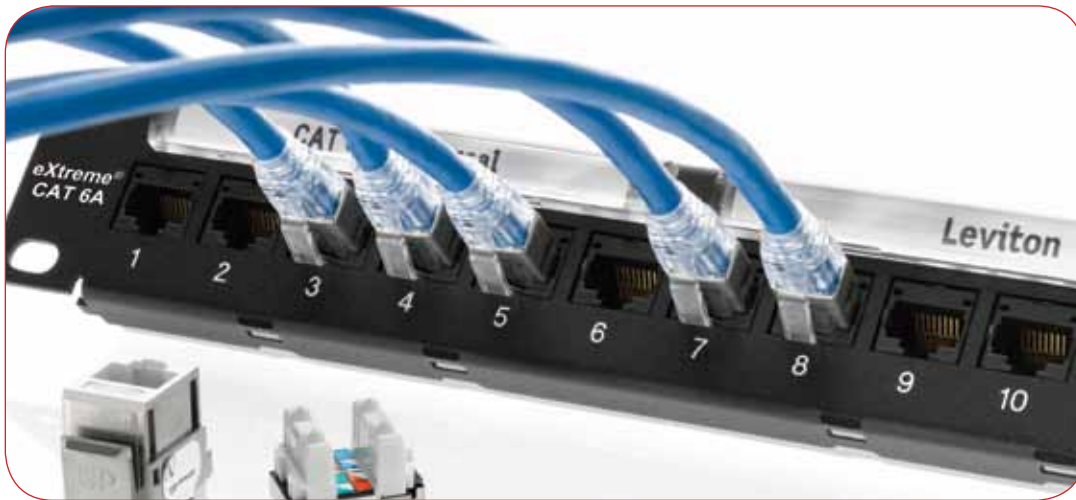


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COPPER

copper
systems



eXtreme® 6A CAT 6A UTP System

The eXtreme 6A CAT 6A UTP System delivers exceptional electrical performance and superior flexibility to meet 10GBASE-T Ethernet requirements in any environment. Component-rated connectors, patch panels, and cords support applications from computer clusters to server rows and high-resolution video in data center, financial, health care, government, or other demanding applications. Best of all, Leviton offers a limited lifetime product and performance warranty on certified CAT 6A installations.

- Independently verified and guaranteed by Intertek (ETL) to exceed TIA-568-C.2 component, permanent link, and channel margins, and IEEE 10GBASE-T (802.3an) requirements, as well as the ISO/IEC 11801 2nd Edition Class E_A standard
- Guaranteed permanent link electrical performance at distances as short as 10 feet, with approved cable
- Triple-stage compensation with multiple patented design features enhances permanent link and channel margin performance and suppresses alien crosstalk (AXT)
- AXT field testing not required with approved cables
- Backward compatible with CAT 6 and 5e systems, and 1000BASE-T applications
- Provides a seamless migration path to 10GBASE-T performance to maximize return on investment

EXTREME 6A CAT 6A PATCH PANELS (see pages A11-A17)

- Exceed all TIA-568-C.2 component requirements
- Inline IDC fields are consistent with 110-style panel designs
- Designed to work with larger CAT 6A cables and help to identify first pair position
- Patented isolation gap on circuit board minimizes alien crosstalk (AXT) between ports
- Conductor retention feature keeps pairs in place during termination
- Pair Separation Towers facilitate separation of conductors
- CAT 6A-compatible QuickPort® patch panels are available in standard metal or C1 Ultra composite construction
- Standard metal panels support density up to 48 ports in 1RU

EXTREME 6A CAT 6A PATCH CORDS (see pages A27-A28)

- Exceed all TIA-568-C.2 component requirements
- FTP construction provides excellent AXT suppression
- Strain relief boot ensures long-term network performance
- SlimLine plug profile reduces congestion in higher density applications
- Snagless design prevents tab breakage during moves, adds, and changes
- Stranded 26-gauge construction provides maximum flexibility

EXTREME® 6A CAT 6A 110-STYLE WIRING BLOCK KIT (see page A20)

- Supports high-frequency data signals up to 500 MHz
- Can be used as a consolidation point (CP) in a TIA-defined 90-meter permanent link

EXTREME 6A CAT 6A QUICKPORT® CONNECTORS (see page A33)

All eXtreme 6A connectors deliver ease-of-use and superior performance:

- Patented dual-layer T568A/B label with larger wiring diagrams
- Patented Cone of Silence® helps suppress AXT
- Patented Retention Force Technology (RFT) protects against damage from four- or six-pin plugs
- Pair Separation Towers ease conductor separation

eXtreme 6A component-rated UTP connectors add several exclusive performance-enhancing features:

- Exceed all TIA-568-C.2 component requirements
- Metalized body helps suppress AXT
- Patented triple-stage compensation enhances margin performance and augments AXT suppression
- Conductor retention feature holds wires during termination

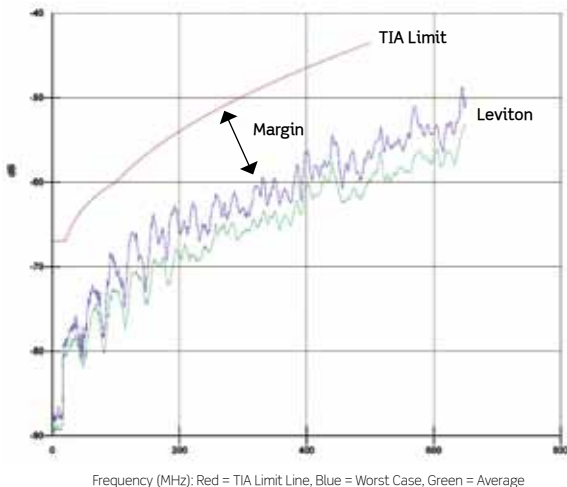
EXTREME 6A CAT 6A UTP SYSTEM	
DESCRIPTION	PART NO.
C1 Ultra Composite QuickPort® Panel	C1255-H48
eXtreme CAT 6A Flat 110-Style Patch Panel	6A586-U**
eXtreme CAT 6A Angled 110-Style Patch Panel	6A587-U**
1RU 24-Port QuickPort Flat Panel	6910G-U24
1RU 48-Port QuickPort Die-Cast Flat Panel	6910G-D48
2RU 48-Port QuickPort Flat Panel	6910G-U48
SlimLine CAT 6A Patch Cord	6AS10-xx*
eXtreme CAT 6A 110-Style Wiring Block Kit, w/ legs, 64-pair	41D6A-1F4
eXtreme CAT 6A Channel-Rated Connector	6110G-R*6
eXtreme CAT 6A Component-Rated Connector	6A10G-R*6

Patch Panels: ** = Port Density (24) and (48). See pages A12 and A15.
Patch Cords: Available in six lengths (xx) and eight colors (*). See page A28.
Connectors: * = Color: available in 13 colors. See page A33.

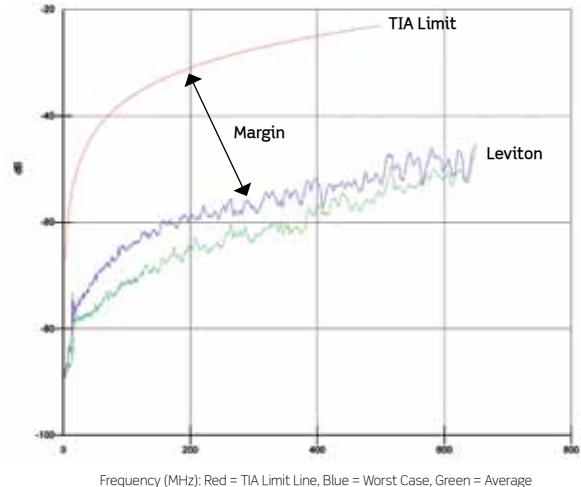
See pages A11-A17 for our wide selection of QuickPort patch panels.

CAT 6A INDEPENDENT 3RD PARTY (ETL) TEST RESULTS
AXT Short Channel (30 ft.) Performance

PSANEXT | Power Sum Alien Near End Crosstalk



PSAACRF | Power Sum Alien Attenuation to Crosstalk Ratio — Far End



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eXtreme® 6+ CAT 6 UTP System

Choose eXtreme 6+ for craft-friendly installation and outstanding CAT 6 performance. Exceptional headroom above CAT 6 requirements provides no-risk performance for a variety of critical applications.

- Independently verified to exceed TIA-568-C.2 CAT 6 requirements for channel and component-level performance, ISO/IEC 11801 2nd Ed. Class E requirements, and IEEE 1000BASE-T (802.ab)
- Optimized for maximum throughput and reliable transmission
- Guaranteed channel margin with approved cable

EXTREME 6+ CAT 6 PATCH PANELS (see pages A11-A17)

- Patented Retention Force Technology protects tines from damage from 4- or 6-pin plugs
- Universal T568A and T568B wiring cards for 110-style IDC terminations
- TIA-606 compliant labeling for easy port identification
- Numerous 110-style, QuickPort®, and C1 Ultra composite flat and angled options to meet any application needs

EXTREME® 6+ CAT 6 110-STYLE WIRING BLOCK (see page A20)

- 96- and 288-pair wall-mount options
- 96-, 192-, and 288-pair rack-mount options
- Can be used as a consolidation point (CP)

EXTREME 6+ CAT 6 PATCH CORDS (see pages A27-A28)

- Component-rated for optimal channel performance
- Stranded 24-gauge wire ensures sufficient flex life and long-term integrity
- Standard booted and SlimLine plug options
- SlimLine profile reduces congestion in higher density applications
- Snagless boot design prevents tab breakage during moves, adds, and changes
- Strain relief boot ensures long-term network performance

EXTREME 6+ CAT 6 QUICKPORT® CONNECTORS (see page A34)

- Patented Retention Force Technology protects tines from damage from 4- or 6-pin plugs
- Pair Separation Tower design facilitates separation of conductors
- Patented dual-layer wiring label simplifies punchdown and reduces rework
- Increased wire retention reduces tine contact failure caused by cable stress and fatigue
- Gas-tight connection at the IDC prevents corrosion
- 110-style rear termination field for easy termination when installed in a wallplate or panel
- Available in QuickPack® bulk packs

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EXTREME® 6+ CAT 6 UTP SYSTEM	
DESCRIPTION	PART NO.
C1 Ultra Composite 110-Style Patch Panel	C1686-U48
eXtreme 6+ CAT 6 Flat 110-Style Patch Panel	69586-U**
eXtreme 6+ CAT 6 Angled 110-Style Patch Panel	69587-U48
eXtreme 6+ CAT 6 Recessed-Angled 110-Style Patch Panel	6W587-U48
SlimLine CAT 6 Patch Cord	6D460-xx*
Standard CAT 6 Patch Cord	62460-xx*
eXtreme 6+ CAT 6 Wiring Block Kit	41††6-†F4
eXtreme 6+ CAT 6 QuickPort® Connector	61110-R*6

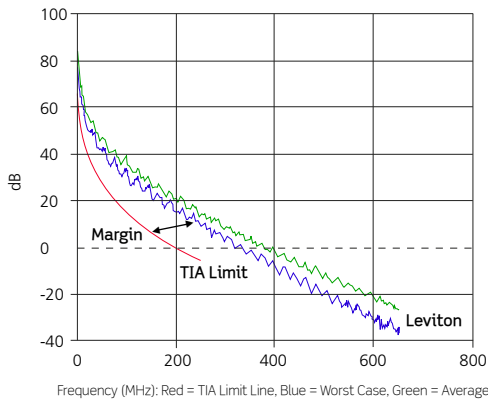
Patch Panels: ** = Port Density (12), (24), (48), (96). See pages A12 and A15.
 Patch Cords: Available in six lengths (xx) and seven colors (*). See page A28.
 Connectors: * = Color: Available in 13 colors. See page A34.

Wiring Block Kit: †† = With legs (AB), without legs (NB), rack-mount (DR).
 † = Pair Count: 96 (1), 192 (2), 288 (3). See page A20.

See pages A11-A17 for our wide selection of QuickPort patch panels.

CAT 6 INDEPENDENT 3RD PARTY (ETL) TEST RESULTS
 4-Connector, 100-Meter Performance

PSACR | Power Sum Attenuation to Crosstalk Ratio



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copper systems



GigaMax® 5e+ & 5e CAT 5e UTP System

- Guaranteed to exceed TIA-568-C.2 and ISO/IEC 11801 2nd Ed. Class D CAT 5e requirements for channel and component level performance, and IEEE 1000BASE-T (802.ab)
- Guaranteed channel performance with approved cables

GIGAMAX 5E+ CAT 5E PATCH PANELS (see pages A11-A17)

- Patented Retention Force Technology protects tines from damage from 4- or 6-pin plugs
- Universal T568A and T568B wiring cards for 110-style IDC terminations
- TIA-606 compliant labeling for easy port identification
- Numerous models to meet any application needs

GIGAMAX 5E CAT 5E PATCH CORDS (see pages A27-A28)

- Component-rated for optimal channel performance
- Stranded 24-gauge wire ensures sufficient flex life and long-term integrity
- Standard booted and congestion-reducing SlimLine plug options
- Snagless boot design prevents tab breakage during moves, adds, and changes
- Strain relief boot ensures long-term network performance

QUICKPORT® GIGAMAX 5E+ & 5E CAT 5E UTP CONNECTORS (see page A34)

Leviton offers two CAT 5e connectors, the GigaMax 5e+ and GigaMax 5e. Both provide 1000BASE-T performance for high-bandwidth applications. Connectors are available individually or in QuickPack® bulk packs. GigaMax CAT 5e+ connectors include exclusive performance-enhancing features:

- Component-rated for optimal channel performance
- Patented Retention Force Technology protects tines from damage from 4- or 6-pin plugs
- Pair Separation Towers facilitate quick, effective termination
- Patented dual-layer T568A/T568B wiring labels simplify punchdown and reduce rework

GIGAMAX 5E+ & 5E CAT 5E UTP SYSTEM	
DESCRIPTION	PART NO.
C1 Ultra Composite Flat 110-Style Patch Panel	C1586-U48
GigaMax 5e+ CAT 5e Flat 110-Style Patch Panel	5G596-U**
GigaMax 5e+ CAT 5e Angled 110-Style Patch Panel	5G597-U48
SlimLine CAT 5e Patch Cord	5D460-xx*
Standard CAT 5e Patch Cord	5G460-xx*
QuickPort GigaMax 5e+ CAT 5e Component-Rated Connector	5G110-R*5
QuickPort GigaMax 5e CAT 5e Channel-Rated Connector	5G108-R*5

Patch Panels: ** = Port Density (12), (24), (48), (96). See page A12 and A15.
Patch Cords: Available in six lengths (xx) seven colors (*). See page A28.
Connectors: * = Color: Available in 13 colors. See page A34.

See pages A11-A17 for our wide selection of QuickPort patch panels.
See pages A21-A22 for our broad selection of CAT 5e 110-style wiring blocks and accessories.



Shielded CAT 6A/6/5e Systems

- Each system independently tested and verified to meet TIA-568-C.2 channel requirements
- Offers a high level of security for networks in government, health care, financial, gaming, and other sensitive environments
- Superior protection from electromagnetic interference (EMI) and radio frequency interference (RFI)
- Compatible with F/UTP, U/FTP, and other common shielded cable types

SHIELDED PATCH PANELS (see pages A13 & A15)

- Meet TIA-568-C.2 and FCC part 68 requirements
- Stainless steel “comb” maintains consistent ground path between connector and panel
- 24-port 1RU and 48-port 2RU flat and angled profiles
- Accept all QuickPort® Connectors

SHIELDED CAT 6A/6/5E PATCH CORDS (see pages A27-A28)

- Cable construction provides data security and EMI/RFI protection
- Stranded conductors provide longer flex life
- Snagless boot design prevents tab breakage during moves, adds, and changes
- Strain relief boot ensures long-term network performance

SHIELDED CAT 6A/6/5E CONNECTORS (see page A36)

- Robust die-cast housing
- Unique design requires no punchdown tool
- 270° hinge for easy access and termination
- CAT 6A connectors meet TIA-568-C.2 channel requirements

SHIELDED CONNECTIVITY SYSTEMS

DESCRIPTION	PART NO.
Shielded Flat QuickPort Patch Panel	4S255-S**
Shielded Angled QuickPort Patch Panel	4S256-S**
Shielded SlimLine CAT 6A Patch Cord	6AS10-xx*
Shielded CAT 6 Patch Cord (Grey)	6S460-xxS
Shielded CAT 5e Patch Cord (Grey)	5S460-xxS
Shielded CAT 6A Connector	6ASHD-S6A
Shielded CAT 6 Connector	6S180-SH6
Shielded CAT 5e Connector	5S180-SH5

Patch Panels: ** = Port Density (24), (48). See pages A13 and A15.
Patch Cords: Available in six lengths (xx) and eight colors (*). See pages A27-A28.

PATCH PANELS



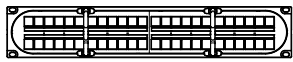
FEATURED PRODUCTS

C1 Ultra Composite Patch Panels **A11**

CAT 6A 110-Style Patch Panels **A12**

1RU 48-Port QuickPort® High-Density Angled Panel **A15**

Choose Leviton for all your patch panel needs. We continuously develop new high-quality panels to provide you with the latest technology and ideal configuration for your unique applications. New panel styles include the 1RU 48-port UTP flat, CAT 6A 110-style component-rated, and the C1 Ultra with customizable face and composite construction. Additional UTP and shielded panels, the patented Zero-U Vertigo®, die-cast high-density panels, recessed panels for close quarters, and two styles of angled panels round out the industry's largest selection of patch panels.



Flat 48-Port

COMPOSITE FLAT PATCH PANELS | A11

Leviton C1 Ultra panels have the same profile as standard metal panels, but feature polymer composite construction, ideal for data centers and other showroom-style environments. Composite panels include rear cable management bars and integrated front cable managers.

Available Styles: [110-Style](#) | [QuickPort®](#) | [Blank](#)



Flat 48-Port



Die-cast High-Density 48-Port

STANDARD FLAT PATCH PANELS | A12-A13

Traditional flat profile works well in almost any application. All flat panels include rear cable management bars.

Available Styles: [110-Style](#) | [QuickPort](#) | [Shielded](#)

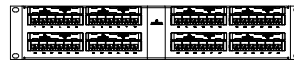
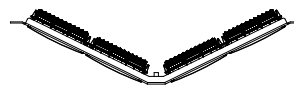


Recessed-Flat 48-Port

RECESSED-FLAT PATCH PANELS | A14

Designed primarily for data center cabinet applications, this panel will work in any application where minimal depth in front of the panel is a requirement.

Available Styles: [110-Style](#) | [QuickPort](#)



Angled 48-Port

ANGLED PATCH PANELS | A15

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

Available Styles: [110-Style](#) | [QuickPort](#) | [Shielded](#)

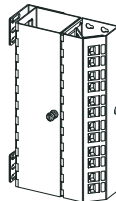


Recessed-Angled 48-Port

RECESSED-ANGLED PATCH PANELS | A16

Ideal for applications in which rack space optimization, patch cord management, and a low profile appearance are required. This panel is suitable for either rack or cabinet installations.

Available Styles: [110-Style](#) | [QuickPort](#)



VertiGO Zero-U

ZERO-U PATCH PANELS | A17

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

Available Styles: [QuickPort](#) | [Opt-X®](#)

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patch panels

The Industry's Best Service & Support



Charlie Bogolawski, RCDD

Director of Technical Sales, Specification Engineer

Charlie has a passion for the ITS industry and it shows. He's been in the industry for more than 20 years, designing and installing networks in data centers, schools, hospitals, and businesses across the county. Charlie heads our nationwide team of specification engineers, and like all our spec engineers, he has the technical experience and knowledge to help you design, install and manage your infrastructure for a lifetime of high performance. Whatever your project type or size, from initial design to move-in, Charlie and his team are ready to help.

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patch panels



Customize C1 Ultra panels with any design, color, or logo. Visit leviton.com/c1ultra to learn more.

FLAT C1 ULTRA COMPOSITE 110-STYLE AND QUICKPORT® UTP PANELS

- Made from high-tech composite materials for a look unique in the patch panel market
- 10% stronger than standard 16-gauge metal patch panels, providing added support during termination of 110-style panels
- Aesthetics and customizable face make panels ideal for showroom-style environments
- Panel face can be customized to feature any design, color, or logo
- Available in 48-port 2RU QuickPort and 110-style models
- Panels include two integrated patch cord managers that attach directly to the face of the panel, saving up to 50% of valuable rack space
- Patch cord managers prevent cables from obstructing view of port numbers
- Panels also include two rear cable management bars
- Clear label holders create a window to easily view port numbers and custom designs
- Panel is 100% recyclable

AVAILABLE CABLE MGMT.:

- Versi-Duct®
- Rear Cable Mgmt. Bars
- Horizontal Cable Managers
- Blank Filler Panels
- VELCRO® Brand Fasteners

See Section C for product details and ordering information.



Front & Rear Managers are included with all C1 Ultra panels.

RoHS All Leviton CAT 6A/6/5e Patch Panels are RoHS Compliant

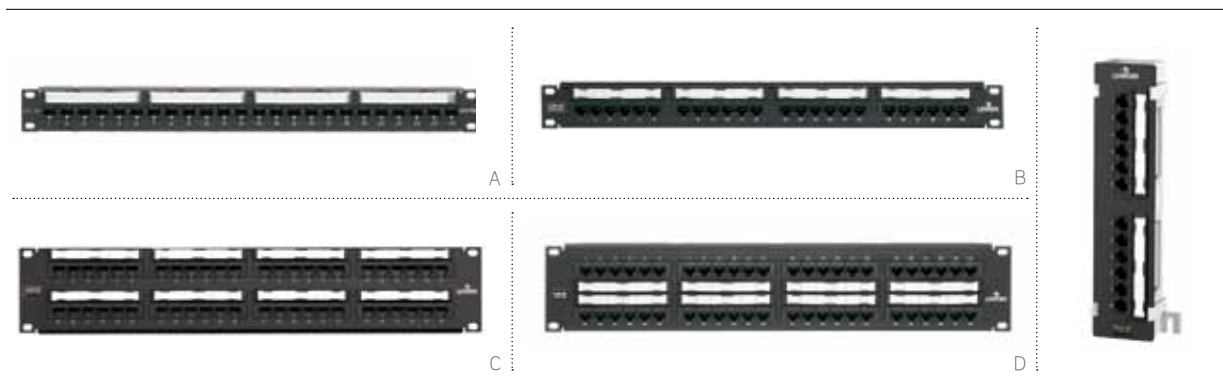
FLAT COMPOSITE 110-STYLE AND QUICKPORT PATCH PANELS			
DESCRIPTION	CAT 6	CAT 5e	EMPTY
2RU 48-Port 110-Style Flat Composite Panel	[A] C1686-U48	[B] C1586-U48	
2RU 48-Port QuickPort Flat Composite Panel			C1255-H48
2RU Blank Panel / Cable Manager			[C] C1253-2CM

SPOTLIGHT Innovative Rack Solutions for Data Centers & Showrooms



Get performance, strength, and eye-catching style with Leviton's innovative data center solutions. Racks and cabinets get a unified, streamlined look with the C1 Ultra composite patch panel, Opt-X Ultra® fiber enclosures, and Versi-Duct® Cable Management system.

See pages B11-B12 for the Opt-X Ultra, and C3-C4 for the Versi-Duct system.



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patch panels

FLAT 110-STYLE COMPONENT-RATED UTP PANELS

- 1RU 12- or 24-port, 2RU 48-port, and 4RU 96-port configurations
- Available in CAT 6A, 6, and 5e
- 6-port RJ-45 modules on front, and 110-style punchdowns on rear
- Includes color codes for T568A/B wiring schemes
- CAT 5e and 6 include 25-pair wiring schemes
- Rear cable management bar included with panels (one bar per 24 ports)
- CAT 6A panels include magnified label holders for easy reading
- Silkscreened port numbers and paper label holders included
- Independently tested and verified by Intertek (ETL) to meet all TIA component, permanent link, and channel requirements

RoHS All Leviton CAT 6A/6/5e Patch Panels are RoHS Compliant

AVAILABLE CABLE MGMT.:

- Versi-Duct®
- Rear Cable Mgmt. Bars
- Horizontal Cable Managers
- Blank Filler Panels
- VELCRO® Brand Fasteners

See Section C for product details and ordering information.

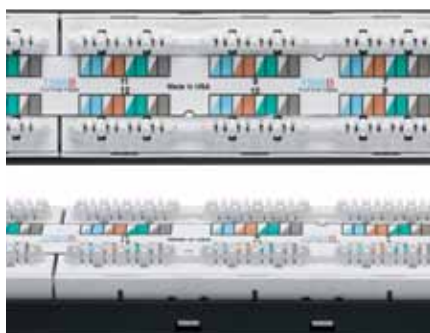


49005-CMB included w/ all CAT 6A/6/5e flat 110-style panels.

FLAT 110-STYLE PATCH PANELS & PATCH BLOCK

DESCRIPTION	CAT 6A	CAT 6	CAT 5e
1RU 12-Port Flat 110-Style Panel		69586-U12	5G596-U12
1RU 24-Port Flat 110-Style Panel	[A] 6A586-U24	[B] 69586-U24	5G596-U24
2RU 48-Port Flat 110-Style Panel	6A586-U48	[C] 69586-U48	5G596-U48
2RU 48-Port Flat 110-Style Panel, central labeling		[D] 69586-C48	5G596-C48
4RU 96-Port Flat 110-Style Panel		69586-U96	5G596-U96
12-Port 110-Style Patch Block, 89D bracket		[E] 69586-U89	5G596-U89

SPOTLIGHT CAT 6A Component-Rated 110-Style Panels



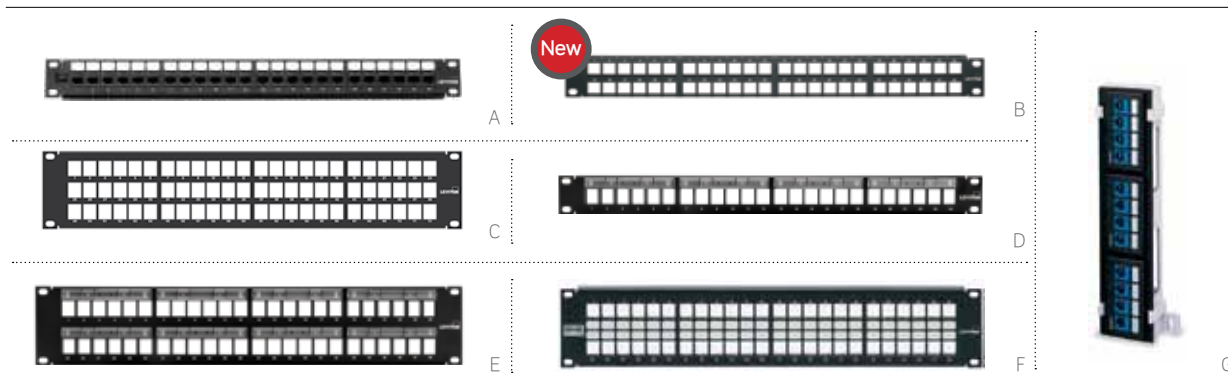
Leviton CAT 6A 110-style patch panels offer TIA-568-C.2 performance up to 500 MHz to support 10GBASE-T networks. The panels have a physical design consistent with industry standard 110-style panels, including in-line configured IDCs and 6-port housing modules. In addition, they add several exclusive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

PATCH PANELS | Flat Metal QuickPort® > UTP & Shielded

COPPER

patch panels



The QuickPort system, Leviton's exclusive set of mix and match panels, connectors, wallplates, and surface-mount boxes, allows you to create the perfect mix of voice, data, video and audio, all in a single panel. Connectors sold separately, available on pages A33-A40.

TRADITIONAL FLAT PANELS

- Standard density 24- & 48-port panels are available with white blocks or magnifying lens label holder
- Silkscreened port numbers on panel front

HIGH-DENSITY FLAT PANELS

- Panels maximize rack space and reduce costs in high-density applications
- 1RU 48-port panel available in standard (stamped) or patented, robust die-cast aluminum

SHIELDED FLAT PANELS

- Shielding protects against Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI), and provides excellent alien crosstalk (AXT) suppression
- Provides data security for government, financial, and other sensitive networks
- Includes star washers and grounding lug
- Accepts all QuickPort connectors

AVAILABLE CABLE MGMT.:

- Versi-Duct®
- Rear Cable Mgmt. Bars
- Horizontal Cable Managers
- Blank Filler Panels
- VELCRO® Brand Fasteners

See Section C for product details and ordering information.



49005-CMB included w/ all QuickPort flat panels.

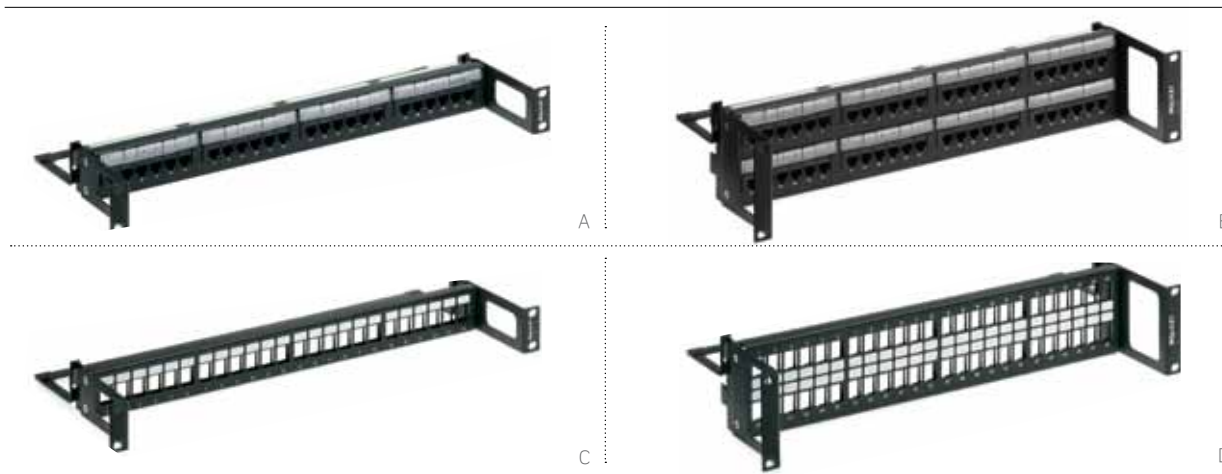


All Leviton CAT 6A/6/5e Patch Panels are RoHS Compliant

FLAT QUICKPORT PATCH PANELS, PATCH BLOCK, & ACCESSORIES				
DESCRIPTION	CAT 6A	CAT 6	CAT 5e	EMPTY
1RU 24-Port QuickPort Flat Panel	[A] 6910G-U24	69270-U24	5G270-U24	49255-H24
1RU 48-Port QuickPort Flat Panel, cable management bar sold separately				[B] 49255-Q48
1RU 48-Port QuickPort Die-Cast Flat Panel	6910G-D48	69270-D48	5G270-D48	49255-D48
2RU 48-Port QuickPort Flat Panel	6910G-U48	69270-U48	5G270-U48	49255-H48
2RU 72-Port QuickPort Flat Panel				[C] 49255-D72
1RU 24-Port QuickPort Flat Panel, MagLens label holder				[D] 49255-L24
2RU 48-Port QuickPort Flat Panel, MagLens label holder				[E] 49255-L48
1RU 24-Port QuickPort Shielded Flat Panel				4S255-S24
2RU 48-Port QuickPort Shielded Flat Panel				[F] 4S255-S48
12-Port QuickPort Patch Block, mounting bracket sold separately, 10" H x 2.375" W				[G] 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				40089-00D

CAT 6A/6/5e panels are kitted with black 6A10G, 61110, or 5G110 connectors.

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patch panels



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

RECESSED-FLAT 110 & QUICKPORT PANELS

- 3" recessed design allows improved access and maintains proper cable bend radius
- All recessed-flat panels include a screwless cable management bar that fastens directly to the back of the panel
- 1RU 24-Port and 2RU 48-Port 110-style recessed-flat panels available CAT 6/5e rated
- 110-style recessed-flat panels include magnifying lens label holders for easy reading
- All QuickPort recessed-flat panels sold empty
- QuickPort recessed-flat panels include white write-on blocks for port identification

AVAILABLE CABLE MGMT.:

- Versi-Duct®
- Rear Cable Mgmt. Bars
- Horizontal Cable Managers
- VELCRO® Brand Fasteners

See Section C for product details and ordering information.



49005-CMB included w/ all recessed flat panels.

RoHS All Leviton CAT 6A/6/5e Patch Panels are RoHS Compliant

RECESSED PATCH PANELS			
DESCRIPTION	CAT 6	CAT 5e	EMPTY
1RU 24-Port 110-Style Recessed-Flat Panel	[A] 69586-R24	5G596-R24	
2RU 48-Port 110-Style Recessed-Flat Panel	[B] 69586-R48	5G596-R48	
1RU 24-Port QuickPort Recessed-Flat Panel			[C] 49255-R24
2RU 48-Port QuickPort Recessed-Flat Panel			[D] 49255-R48

QuickPort connectors are available on pages A33-A40.

SPOTLIGHT Magnifying Lens Holder

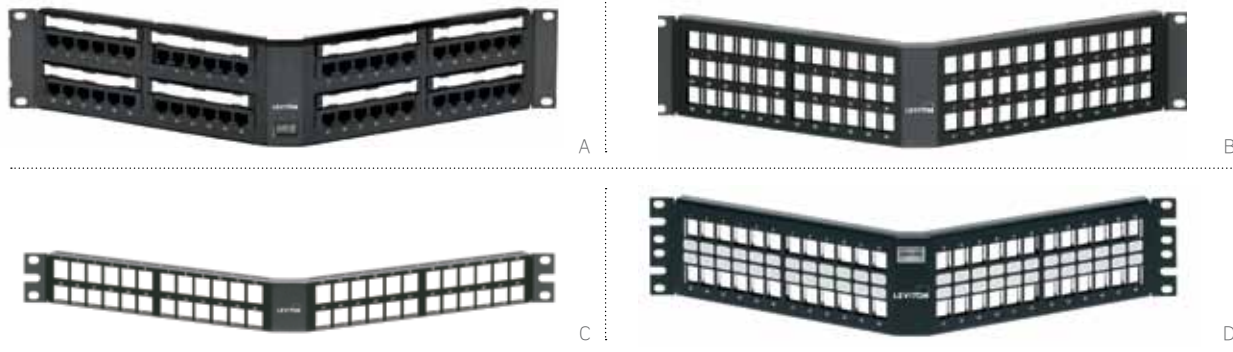


Leviton's magnifying lens label holders feature a patented curved lens to magnify the port identification information for improved visibility. The magnified holders sit above the ports, with port numbers displayed below the ports. They are available on a wide variety of 1RU and 2RU 110-style and QuickPort panels, and are standard on all VertiGO® Zero-U panels.

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

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patch panels



Angled patch panels are ideal for 19" rack applications, offering easy termination and improved patch cord routing. For cabinet applications, recessed angled panels are recommended to meet minimal front depth requirements.

UTP ANGLED 110-STYLE & QUICKPORT PANELS

- Conserve rack space by routing patch cords directly into vertical cable management
- Angled design facilitates proper bend radius and simplifies termination
- 110-style angled panels are available in CAT 6A, 6, and 5e
- 110-style angled panels include a snap-in plastic label holder and card stock labels
- QuickPort angled panels include white write-on blocks
- 1RU 48-Port QuickPort panel can be used with all QuickPort connectors including CAT 6A, 6, 5e, fiber, and A/V
- CAT 6A panels include magnifying lens label holders for easy reading
- All QuickPort angled panels sold empty

SHIELDED ANGLED PANELS

- Provides excellent alien crosstalk (AXT) suppression
- Shielding protects against Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI), and provides excellent alien crosstalk (AXT) suppression
- Provides data security for government, financial, medical, gaming, and other sensitive networks
- Includes star washer and grounding lug
- Available in QuickPort 1RU 24-port and 2RU 48-port angled configurations
- Accepts all QuickPort connectors

RoHS All Leviton CAT 6A/6/5e Patch Panels are RoHS Compliant

AVAILABLE CABLE MGMT.:

- Versi-Duct®
- Rear Cable Mgmt. Bars
- Horizontal Cable Managers
- Blank Filler Panels
- Transitional Covers
- VELCRO® Brand Fasteners

See Section C for product details and ordering information.



49006-AMB
Recommended rear cable mgmt. bar



49254-BC1
Recommended angled transitional cover

ANGLED PATCH PANELS

DESCRIPTION	CAT 6A	CAT 6	CAT 5e	EMPTY
1RU 24-Port 110-Style Angled Panel	6A587-U24			
2RU 48-Port 110-Style Angled Panel	6A587-U48	[A] 69587-U48	5G597-U48	
1RU 24-Port QuickPort Angled Panel				49256-H24
2RU 48-Port QuickPort Angled Panel				49256-H48
2RU 72-Port QuickPort Angled Panel				[B] 49256-D72
1RU 48-Port QuickPort High-Density Angled Panel				[C] 49256-D48
1RU 24-Port QuickPort Shielded Angled Panel				4S256-S24
2RU 48-Port QuickPort Shielded Angled Panel				[D] 4S256-S48

QuickPort Connectors are available on pages A33-A40.



A



B

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patch panels

Recessed-angled patch panels are ideal for cabinet and rack applications with minimal depth in front of the panel. The unique dual-angled design greatly improves punchdown accessibility.

RECESSED-ANGLED 110-STYLE & QUICKPORT PANELS

- Conserves rack space by routing patch cords directly into vertical cable management
- Recessed depth facilitates proper bend radius
- Unique dual-angled design greatly improves punchdown accessibility
- 110-style recessed-angled panels are available in CAT 6 and 5e
- 110-style recessed-angled panels include a snap-in plastic label holder and card stock labels
- QuickPort recessed-angled panels include white write-on blocks
- All QuickPort recessed-angled panels sold empty

AVAILABLE CABLE MGMT.:

- Versi-Duct®
- Rear Cable Mgmt. Bars
- Horizontal Cable Managers
- Blank Filler Panels
- Transitional Covers
- VELCRO® Brand Fasteners

See Section C for product details and ordering information.

RECESSED-ANGLED PATCH PANELS			
DESCRIPTION	CAT 6	CAT 5e	EMPTY
2RU 48-Port 110-Style Recessed-Angled Panel	[A] 6W587-U48	5W597-U48	
1RU 24-Port QuickPort Recessed-Angled Panel			4W256-H24
2RU 48-Port QuickPort Recessed-Angled Panel			4W256-H48
2RU 72-Port QuickPort Recessed-Angled Panel			[B] 4W256-D72

QuickPort Connectors are available on pages A33-A40.

RoHS All Leviton CAT 6A/6/5e Patch Panels are RoHS Compliant



4W006-AMB Recommended rear cable mgmt. bar.



4W254-BC1 Recommended recessed-angled transitional cover

SPOTLIGHT e2XHD Patching System



Cassettes are kitted with 6110G or 61110 connectors in five color options.

Designed for quick installation and maintenance, the new e2XHD Patching System features a High-Density Angled Panel with snap-in cassettes. CAT 6A and CAT 6 High-Density Cassette Kits, each featuring one 6-port cassette and six connectors, quickly snap in and out of the panel. Terminate the connectors, snap them into the cassette, then snap the cassette into the panel. It's that easy. Leviton's exclusive AXT barrier reduces alien crosstalk between ports.

The panels also accept a full line of fiber optic cassettes. See pages B17-B18 for complete system and cassette kit ordering information.

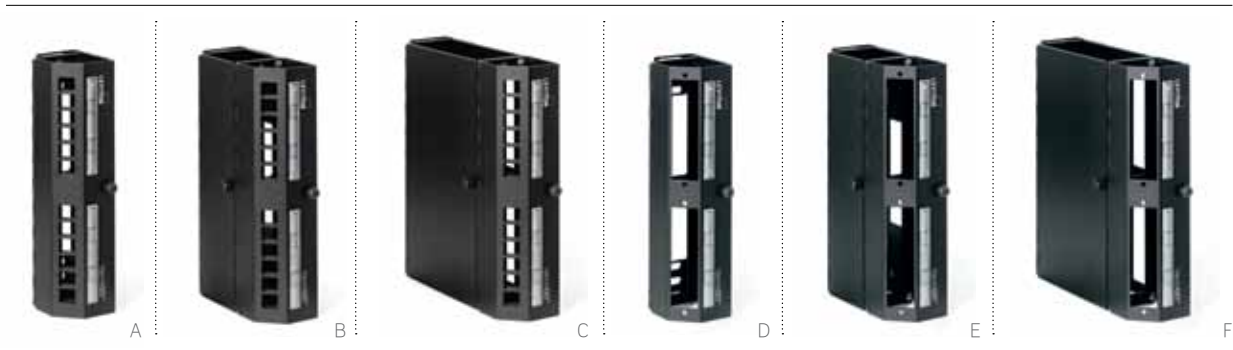


e2XHD 1RU High Density Angled Panel

PATCH PANELS | VertiGO® Zero-U QuickPort® & Opt-X®

COPPER

patch panels



VERTIGO ZERO-U QUICKPORT & OPT-X PANELS

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

RECOMMENDED APPLICATIONS:

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

VERTIGO ZERO-U PATCH PANELS

DESCRIPTION	EMPTY
[A] 12-Port QuickPort VertiGO Panel, panel only	49280-QP0
[B] 12-Port QuickPort VertiGO Panel, 3" channel	49280-QP3
[C] 12-Port QuickPort VertiGO Panel, 6" channel	49280-QP6
[D] Opt-X Adapter Plate VertiGO Panel, panel only	49280-AP0
[E] Opt-X Adapter Plate VertiGO Panel, 3" channel	49280-AP3
[F] Opt-X Adapter Plate VertiGO Panel, 6" channel	49280-AP6

Contact inside sales at 800.722.2082 for custom VertiGO configurations.
QuickPort connectors are available on pages A33-A40.
Opt-X adapter plates are available on pages B33-B34.

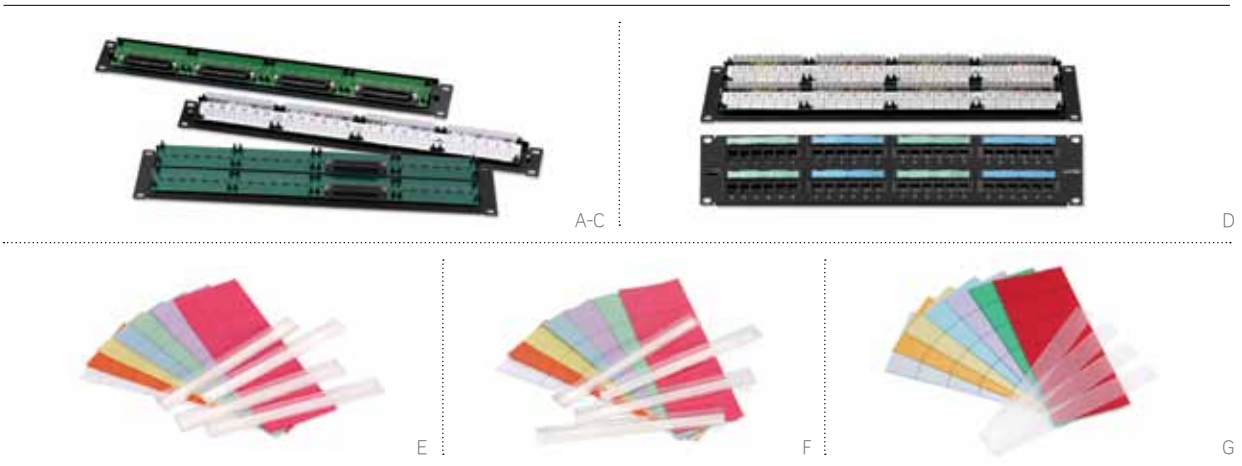
See page B22 for additional specialized fiber applications.

SPOTLIGHT VertiGO Zero-U Patch Panels > Unparalleled Flexibility



Leviton's patented VertiGO Zero-U Patch Panels offer unprecedented versatility for a wide range of installations. In data centers where left or right side cabinet installation is ideal, VertiGO can share mounting hardware with servers or other existing equipment. Where traditional cabinet space is lacking, VertiGO can be mounted to a ladder tray, wire basket, directly to the wall, under a raised floor, or even onto modular furniture.

VertiGO addresses three major data center issues: density, cooling, and appearance. Mounting vertically along a back cabinet rail allows more terminations than would otherwise be possible. Cables can be routed along the cabinet outer edges to improve airflow. The low-profile design fully covers the connections, providing the clean look data center/DC managers seek.



COPPER
patch panels

DATA GRADE PANELS

- 8P8C Data Grade Panel supports 10/100BASE-T applications
- Features 25-pair female Amphenol™ RJ-21X connectors
- Pre-configured in 24- and 48-port densities

VOICE GRADE PANELS

- 110-style or 25-pair configurations
- Unique label delineates 1-, 2-, 4-, or 25-pair termination options
- Pre-configured in 24- and 48-port densities
- 25th pair (violet/slate) is not used in 25-pair style panels

RJ-21X CONNECTORS PER PANEL

TELCO & VOICE GRADE PANELS		
PART NO.	24-PORT	48-PORT
49012	1	2
49014	2	4
49018	4	8

DATA GRADE PATCH PANELS		
DESCRIPTION	1RU 24-PORT	2RU 48-PORT
8P8C Panel, one 25-pair connector per 6 ports (supports 10/100BASE-T), 4 wire-pairs per port	[A] 49018-J24	49018-J48
VOICE GRADE PATCH PANELS		
DESCRIPTION	1RU 24-PORT	2RU 48-PORT
8P4C Panel, 110 termination, 2 pairs per port, 2 wire-pairs per port	[B] 49013-P24	[D] 49013-P48
8P4C Panel, two 25-pair connectors per 24 ports, 2 wire-pairs per port	49014-J24	[C] 49014-J48
8P2C Panel, one 25-pair connector per 24 ports, 1 wire-pair per port	49012-J24	49012-J48
PATCH PANEL LABELING SOLUTIONS		
DESCRIPTION	PART NO.	
[E] Adhesive Holder and Labels Kit for QuickPort® Panels	49257-QHD	
[F] Adhesive Holder and Labels Kit for 110-Style Panels	49257-I24	
[G] Designation Kit Replacement for 110-Style Panels	69585-IDL	

PATCH PANEL LABELING SOLUTIONS

Quickly and easily identify ports on your patch panel or patch block for a perfectly organized installation. Universal / 110-style labeling kits are used with 12-, 24-, 48, and 96-port panels. QuickPort kits are available for 24-, 32-, and 48-port panels. Label holders include adhesive backing for applying directly to patch panel surface. Templates for use with RhinoPRO label printers are available at rhinoprolabeling.com.

CROSS CONNECT



FEATURED PRODUCTS

CAT 6A Wiring Block **A20**

Dependable, flexible, and cost-effective, Leviton 110-style and 66-block cross connect products are ideal for telecommunications rooms and distribution frames. 110-style wiring blocks are available in CAT 6A, 6, and 5e, and can be mounted to the wall or plywood backboard. Rack-mount solutions are also available.

COPPER
cross connect



CAT 6A 110-STYLE WIRING BLOCKS

- Supports high-frequency data signals up to 500 MHz
- Can be used as a consolidation point (CP) in a TIA-defined 90-meter 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 6 110-STYLE WIRING PRODUCTS

- Support voice, data, and security applications
- Complete selection of rack and wall-mount blocks, mounting frames, patch cords, and cable management
- Wall-mount wiring block kits available in 96-, 192-, and 288-pairs
- Rack-mount wiring block kits available in 1RU 96-pair, 2RU 192-pair, and 3RU 288-pair configurations
- 110-style patch cords in 110-110 and 110-T568A/B configurations
- Connector clips withstand 200 reterminations

Visit leviton.com/support for detailed termination diagrams.

CAT 6A 110-STYLE WALL-MOUNT WIRING BLOCK KITS						
DESCRIPTION	64-PAIR					
[A] eXtreme® 6A CAT 6A 110-Style Wiring Block, wall-mount w/ legs and C-4 clips*	41D6A-1F4					
CAT 6 110-STYLE WIRING BLOCK KITS (W/ C-4 CLIPS)						
DESCRIPTION	96-PAIR	192-PAIR	288-PAIR			
eXtreme 6+ CAT 6 110-Style Wiring Block, wall-mount w/o legs	[B] 41NB6-1F4					
eXtreme 6+ CAT 6 110-Style Wiring Block, wall-mount w/legs*	[C] 41AB6-1F4		[D] 41AB6-3F4			
eXtreme 6+ CAT 6 110-Style Wiring Block, rack-mount	[E] 41DR6-1F4	[F] 41DR6-2F4	[G] 41DR6-3F4			
CAT 6 110-STYLE PATCH CORDS						
DESCRIPTION	1-FOOT	2-FOOT	3-FOOT	5-FOOT	7-FOOT	10-FOOT
[H] CAT 6 110 to 110 Patch Cord	62240-01S	62240-02S	62240-03S	62240-05S	62240-07S	62240-10S
[I] CAT 6 110 to T568B Patch Cord	6234B-01S	6234B-02S	6234B-03S	6234B-05S	6234B-07S	6234B-10S
CAT 6 110-STYLE CONNECTOR CLIPS						
DESCRIPTION	PART NO.					
[J] eXtreme 6+ CAT 6 C-4 Clips (bag of 10)	69104-IDC					

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

COPPER

cross connect

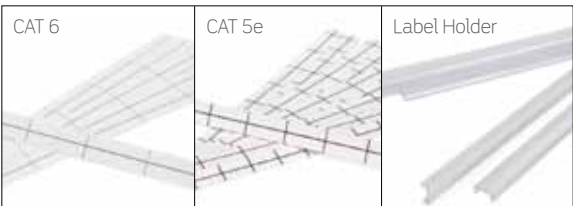


CAT 5e 110-STYLE WIRING PRODUCTS

- Wall-mount bases available in 50- and 100-pair with or without legs
- 300-pair bases include standoff legs, labels, and label holders
- Kits include bases, connecting blocks, labels, and holders
- Rack-mount units are for 100-, 200-, and 300-pair densities
- Patch Cords in 110-110 and 110-T568A/B configurations

SPOTLIGHT 110-Style Labeling Solutions

110-STYLE LABELING SOLUTIONS	
DESCRIPTION	PART NO.
CAT 6 Label Kit, 6/kit	41LBL-60W
CAT 5e Label Kit, 6/kit	41LBL-00W
Label Holder, 6/kit	41100-HDL



COPPER

cross connect

CATEGORY 5e 110-STYLE WALL-MOUNT WIRING BLOCK KITS

DESCRIPTION	C-4 CLIPS	C-5 CLIPS
GigaMax® CAT 5e 110-Style Wall-Mount Wiring Block Kit, w/ legs, 100-pair*	41AB2-1F4	41AB2-1F5
GigaMax CAT 5e 110-Style Wall-Mount Wiring Block Kit, w/o legs, 100-pair	41NB2-1F4	41NB2-1F5
GigaMax CAT 5e 110-Style Wall-Mount Wiring Block Kit, w/ legs, 300-pair*	41AB2-3F4	41AB2-3F5

CATEGORY 5e 110-STYLE WALL-MOUNT WIRING BLOCKS

DESCRIPTION	50-PAIR	100-PAIR	300-PAIR
GigaMax CAT 5e 110-Style Wall-Mount Wiring Block, w/ legs, 50-pair*	41AW1-050	[B] 41AW2-100	[A] 41AW2-300
GigaMax CAT 5e 110-Style Wall-Mount Wiring Block, w/o legs, 50-pair	41DW1-050	[C] 41DW2-100	

CATEGORY 5e 110-STYLE RACK-MOUNT KITS

DESCRIPTION	C-4 CLIPS	C-5 CLIPS
GigaMax CAT 5e 110-Style Rack-Mount Wiring Block Kit, 100-pair, 1RU	41DBR-1F4	41DBR-1F5
GigaMax CAT 5e 110-Style Rack-Mount Wiring Block Kit, 200-pair, 2RU	41DBR-2F4	41DBR-2F5
GigaMax CAT 5e 110-Style Rack-Mount Wiring Block Kit, 300-pair, 3RU	41DBR-3F4	41DBR-3F5

5e 110-STYLE RACK-MOUNT WIRING BLOCKS

DESCRIPTION	100-PAIR	200-PAIR	300-PAIR
GigaMax CAT 5e 110-Style Rack-Mount Wiring Block	[D] 41DR2-100	[E] 41DR2-200	[F] 41DR2-300

RACK-MOUNT MANAGER

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

CATEGORY 5e 110-STYLE PATCH CORDS

DESCRIPTION	1-FOOT	2-FOOT	3-FOOT	5-FOOT	7-FOOT	10-FOOT
CAT 5e 110 to 110 Patch Cord, 4 pair	[H] 5G240-01S	5G240-02S	5G240-03S	5G240-05S	5G240-07S	5G240-10S
CAT 5e 110 to 568A Patch Cord, 4 pair	[I] 5G34A-01S	5G34A-02S	5G34A-03S	5G34A-05S	5G34A-07S	5G34A-10S
CAT 5e 110 to 568B Patch Cord, 4 pair	5G34B-01S	5G34B-02S	5G34B-03S	5G34B-05S	5G34B-07S	5G34B-10S

CATEGORY 5e 110-STYLE CONNECTOR CLIPS

DESCRIPTION	C-3 CLIPS	C-4 CLIPS	C-5 CLIPS
GigaMax CAT 5e 110-Style Connector Clips (bag of 10)	49103-IDC	[J] 49104-IDC	[K] 49105-IDC
GigaMax CAT 5e 110-Style Connector Clips (bag of 50)		49104-I50	

CATEGORY 5e 110-STYLE WIRING BLOCK ACCESSORIES

DESCRIPTION	PART NO.
GigaMax CAT 5e 110-Style legs (2 ea) (for use with 41DW1 only)	410L2-050
GigaMax CAT 5e 110-Style legs (2 ea) (for use with 41DW2 only)	410L2-100
110-Style Horizontal Cord Manager w/o legs	[L] 41D10-HCM
110-Style Horizontal Cord Manager w/ legs*	[M] 41A10-HCM
GigaMax CAT 5e 110-Style 50-Pair 89-D Base (89D Brackets, 40089-00D, sold separately, see page A13)	41DW1-589

*Category 5e 110-style wiring block stand-off legs are non-removable.

CROSS CONNECT | 110-Style Wiring Cable Management

COPPER

cross connect



A, B



C, D

WALL-MOUNT CORD MANAGERS & 110-STYLE PRODUCTS

- Vertical cord managers help route patch cords in high density applications
- Basic wall-mount unit features 300-pair capacity
- Extension kits add up to 600 extra pairs
- Rear cable channel, side slots, horizontal cord managers, and bottom cable tray included
- Horizontal rack-mount cord organizer available

VERTICAL CORD MANAGERS AND 110-STYLE WALL-MOUNT WIRING PRODUCTS

DESCRIPTION	PART NO.
[A] 300-Pair Basic Mounting Frame Unit (sheet metal frame and bottom cable tray only)	41MB2-SMF
[B] 300-Pair Extension Mounting Frame Unit (sheet metal frame only)	41MB2-SME
Basic Mounting Frame Kit, three 100-pair bases, mounting frame, cable tray, 75 C-4 connector blocks, three horizontal cord managers, label strip holders, and white label strips	41MB2-3F4
Basic Mounting Frame Kit, three 100-pair bases, mounting frame, cable tray, 60 C-5 connector blocks, three horizontal cord managers, label strip holders, and white label strips	41MB2-3F5
Extension Mounting Frame Kit, three 100-pair bases, mounting frame, 60 C-4 and 12 C-5 connector blocks, three horizontal cord managers, label strip holders, and white label strips	41MB2-EXT
[C] 300-pair Vertical Cord Manager Basic Unit, includes bottom cable tray	41880-300
[D] 300-pair Vertical Cord Manager Extension Unit	41880-EXT

The Industry's Best Service & Support



Daniel Underbrink, RCDD
Senior Applications Engineer

As one of Leviton's applications engineering experts, Dan acts as the voice of the customer on copper product development teams, ensuring the construction and design of our solutions meet customer needs. Customers also rely on Dan as a technical resource, as he delivers remote and on-site support for customer installations around the world. He's a regular contributor to Leviton's online Knowledgebase, and co-authored our popular *CAT 6A Reference Guide*.

COPPER

cross connect



66 CONNECTING BLOCKS

- Install individually or in pairs in cross-connect system
- High-impact fire retardant UL 94V-0 plastic
- Phosphor bronze quick-connect insulation displacement 66-clips
- 25- and split 50-pair styles
- Accessories include covers, brackets, wire distribution spools, adapters, and bridging clips

SURFACE-MOUNT MINI PATCH PANELS

- Excellent for tight spaces and simple breakout patching
- Combine two or more panels for inline cross connect
- Use with 25-pair cable assemblies
- Wall-mountable

Visit leviton.com/support for detailed termination diagrams.

66 CONNECTING BLOCKS	
DESCRIPTION	PART NO.
[A] M-Block: 25-pair [66M1-25]* 10" H x 3 5/16" W x 1 3/16" D	40066-M25
Split M-Block: 50-pair [66M1-50]* 10" H x 3 5/16" W x 1 3/16" D	40066-M50
[B] M-Block, female connector [66M1-50W]* 10" H x 3 5/16" W x 1 3/16" D	40066-0MW
[C] M-Block, female and male connectors [66M1-50W2]* 10" H x 3 5/16" W x 1 3/16" D	40066-MW2
[D] Connectorized Demarc Block [66M1-50R]* 10" H x 3 13/32" W x 2 3/4" D, female Amphenol™	40066-0MR
BRIDGING CLIPS	
[E] Bridging Clips (SA-1) (50 per package)	40067-0BC
HINGED COVERS AND SNAP-ON COVERS	
Snap-on Cover for M-Blocks: [66MC-4]* 9 15/16" H x 2 5/16" W x 5/16" D	40050-MCV
[F] Hinged Cover for M-Blocks: grey [66MC4LH-G]* 10" H x 2 7/16" W x 3/4" D	40050-MHG
[G] Hinged Cover for Demarc Blocks: orange [66MC4LH-O]* 10" H x 2 7/16" W x 3/4" D	40050-MHO
BRACKET FOR M BLOCKS AND CONNECTOR MOUNTING	
[H] M-Block Bracket for Connector Mounting: [89-D/QuickPort® Blocks]* 10" H x 3 13/32" W x 1 1/2" D	40089-00D
[I] MODULAR ADAPTERS	
2-Position Modular Adapter [Tap™-2]* - Converts two 66-clip contacts into 6P2C modular connector	40072-0T2
4-Position Modular Adapter [Tap™-4]* - Converts four contacts into 6P4C modular connector	40072-0T4
6-Position Modular Adapter [Tap™-6]* - Converts six contacts into 6P6C modular connector	40072-0T6
8-Position Modular Adapter, T568B wiring [Tap™-8]* - Converts eight contacts into 8P8C non-keyed modular connector	40072-0T8
WIRE DISTRIBUTION SPOOLS	
[J] Wire Distribution Spool [20-A]* 1 3/4" Dia. x 3" H	40054-0DS
[K] Wire Distribution Spool with screw [20-B]* 1 3/4" Dia. x 3" H	40054-DSS
SURFACE-MOUNT MINI PATCH PANELS	
[L] 25 6-position 2-Conductor [RJ-11]* FCC Spec Jacks, connected to a circuit board with one male 25-pair connector	41600-00I
[M] 25 6-position 2-Conductor [RJ-11]* FCC Spec Jacks, connected to a circuit board with two bridged 25-pair connector	41620-00I
Mounting Magnets (20 per package)	49200-00M

*Numbers in brackets refer to industry product designation.

CABLE ASSEMBLIES



FEATURED PRODUCTS

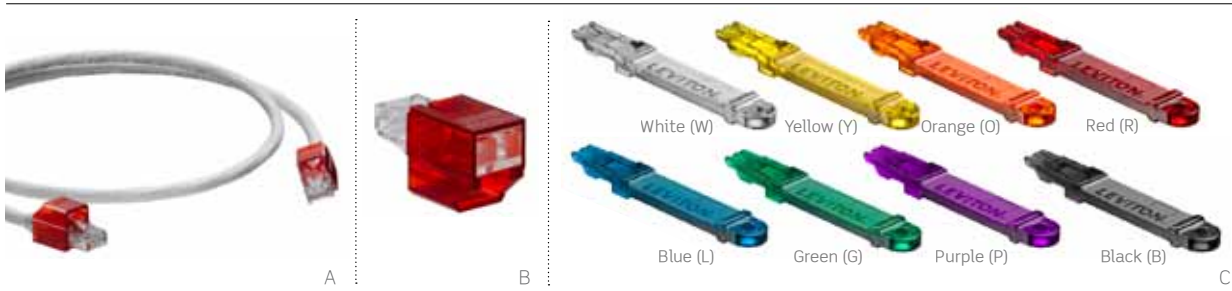
New

Secure RJ System **A26**

LSZH CAT 6A Patch Cords **A27**

LSZH CAT 6/5e Patch Cords **A28**

Connect data center, telecom room, and work area equipment with Leviton cable assemblies. The new Secure RJ system offers lockable cords and trunks for sensitive applications. SFP+ 10G Passive Copper Cable Assemblies deliver high-speed connectivity between active equipment with SFP+ ports. Copper trunks are made to order, reducing installation time and maximizing flexibility. Patch cords are available in CAT 6A, 6, and 5e, UTP or shielded, and a variety of lengths and colors.



COPPER
cable assemblies

Leviton's patented Secure RJ System provides physical security for critical network ports within government, tech industry, healthcare, financial, retail and education applications. Once connected, plugs can only be disengaged with the color-matched extraction tool. The secure system includes patch cords, port blockers, and extraction tools.

SECURE RJ SYSTEM

- Patented design prevents unauthorized and unintentional port access
- Superior locking mechanism requires matching color extraction tool to release
- Compatible with industry standard RJ ports in network equipment, devices, patch panels, and work area outlets
- Works with high-density network equipment and 1RU 48-port patch panels
- Same-color extraction tool disengages color-matched patch cords and port blockers
- Transparent housing allows color coding without blocking visibility to Link/Status LEDs on electronic equipment
- Port blocker prevents unauthorized network connection and protects ports not currently in use
- Made in the United States
- Available in eight transparent color options to reserve, identify, segregate, and secure network ports

Online Configuration Assistance at leviton.com/configurator.

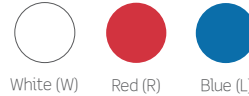
SECURE RJ SYSTEM	
DESCRIPTION	PART NO.
[A] CAT 6 SlimLine Patch Cord, with Secure RJ housing on both ends	SRJ6 ⁺ -xx*
[B] Secure RJ Port Blocker, pack of 12	SRJPB-00 ⁺
[C] Secure RJ Extraction Tool, pack of 1	SRJET-00 ⁺

xx = Length: (05), (10), or (20) feet.

⁺ = Patch cord housing, port blocker, and extraction tool colors: Choose from the transparent colors above.

* = Patch cord jacket colors: Choose from the colors at right.

Patch cord jacket colors below:



PART NUMBER CONFIGURATOR - SECURE RJ PATCH CORDS

Example: **SRJ-U6APL036FL2U**: CAT 6A UTP plenum, blue cable color, 36-foot length, transparent blue secure RJ housings on both ends, made in the United States of America.

FOR ASSISTANCE CONFIGURING YOUR SECURE RJ PATCH CORD, PLEASE CALL 800.722.2082 OR VISIT LEVITON.COM/CONFIGURATOR.

SRJ-XXXX X XX X X X X

CABLE TYPE	CABLE COLOR	CABLE LENGTH	UNIT OF MEASURE	SECURE COLOR	SECURE RJ HOUSING PLACEMENT	COUNTRY OF ORIGIN
U6AM = Cat 6A FTP CM	W = White	1-75 Feet	F = Feet	W = Transparent White	1 = One end	U = Made in USA
U6AR = Cat 6A UTP CMR*	Y = Yellow	1-25 Meters	M = Meters	Y = Transparent Yellow	2 = Both ends	N = Not Made in USA
U6AP = Cat 6A UTP CMP*	O = Orange			O = Transparent Orange		
U60M = Cat 6 UTP CM	R = Red			R = Transparent Red		
U60R = Cat 6 UTP CMR*	L = Blue			L = Transparent Blue		
U60P = Cat 6 UTP CMP*	G = Green			G = Transparent Green		
	S = Grey			P = Transparent Purple		
	E = Black			B = Transparent Black		

*CMR and CMP cable rating available in BLUE cable jacket only.

- Notes:
- 1) Maximum length for patch cords according to TIA standards is 72 ft.
 - 2) Cat 6A Minimum length = 3 ft. Cat 6A Maximum length = 72 ft.
 - 3) CMR and CMP cable type is available in BLUE cable jacket only with solid conductor cable.
 - 4) Cat 6A (CM, CMR, CMP) and Cat 6 (CMR, CMP) only available with COO of Made in USA.



COPPER
cable
assemblies



All Leviton patch cords are components of a category-rated network infrastructure solution that also includes connectors, patch panels, and approved Leviton partner cabling. For optimum performance and full system warranty, use a Leviton Contractor Program installer to install your Leviton components.

CAT 6A PATCH CORDS

- Same cord for UTP or shielded installations
- Component-rated for optimum channel performance
- Independently tested and verified by Intertek (ETL) to meet TIA-568-C.2 component and channel requirements
- Provides exceptional alien crosstalk (AXT) suppression in CAT 6A channel
- Feature narrow profile SlimLine plug for less congestion in high-density applications
- Strain relief boot ensures long-term network performance
- Snagless design prevents tab breakage
- Outside diameter of .240" is easier to manage
- 26-gauge stranded cable for maximum flexibility
- Low-Smoke Zero-Halogen (LSZH) Cords available
- Leviton patch cord required for channel warranty

CAT 6/5e UTP & SHIELDED PATCH CORDS

- Independently tested and verified by Intertek (ETL)
- CAT 6/5e cords are component-rated for optimum channel performance
- UTP available with standard or SlimLine plug
- 24-gauge stranded cable for maximum flexibility
- Standard plugs feature overmolded boot to protect plug
- SlimLine styles feature narrow profile plug to reduce congestion in high-density applications
- SlimLine styles strain-relief boot ensures long-term network performance
- SlimLine styles snagless boot design prevents tab breakage
- Low-Smoke Zero-Halogen (LSZH) Cords available
- Leviton patch cord required for channel warranty
- Standard shielded style for EMI/RFI protection

A Culture of Ingenuity & Innovation



Jeff Seefried
Development Engineer Manager

Jeff directs a group of accomplished engineers and technicians who invent our cutting-edge copper connectivity. He helped design Leviton's CAT 6 component-rated QuickPort® connector and patch panel, and his department developed the first third-party verified CAT 6A component-rated connector, well ahead of the competition. In addition to creating the technologies that advance connector design, Jeff's team is constantly checking and improving existing products on the line and supporting production quality.

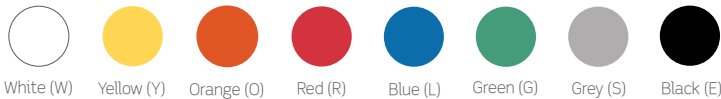
COPPER
cable assemblies

CATEGORY 6A SLIMLINE PATCH CORDS		
DESCRIPTION	CAT 6A	
[A] SlimLine CAT 6A Patch Cord (same cord for UTP or shielded installations)	6AS10-xx*	
[B] CAT 6A Low-Smoke Zero-Halogen (LSZH) Patch Cord	6AZ10-xx*	
UTP PATCH CORDS		
DESCRIPTION	CAT 6	CAT 5e
[C] Standard UTP Patch Cord, matching boot	62460-xx*	5G460-xx*
[D] SlimLine UTP Patch Cord	6D460-xx*	5D460-xx*
SlimLine UTP Low-Smoke Zero-Halogen (LSZH) Patch Cord	6Z460-††°	5Z460-††°
SHIELDED PATCH CORDS		
DESCRIPTION	CAT 6	CAT 5e
[E] Standard Shielded Patch Cord, matching boot, grey only	6S460-xxS	5S460-xxS

STANDARD & SLIMLINE UTP CAT 6A/6/5E PATCH CORDS

xx = Length: (03), (05), (07), (10), (15), or (20) feet.

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



SLIMLINE FTP LSZH CAT 6A PATCH CORDS

SLIMLINE UTP LSZH CAT 6/5E PATCH CORDS

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

° = Length (1), (2), (3), or (5) meters.



Custom length cords available, call inside sales at 800.722.2082 for more information.

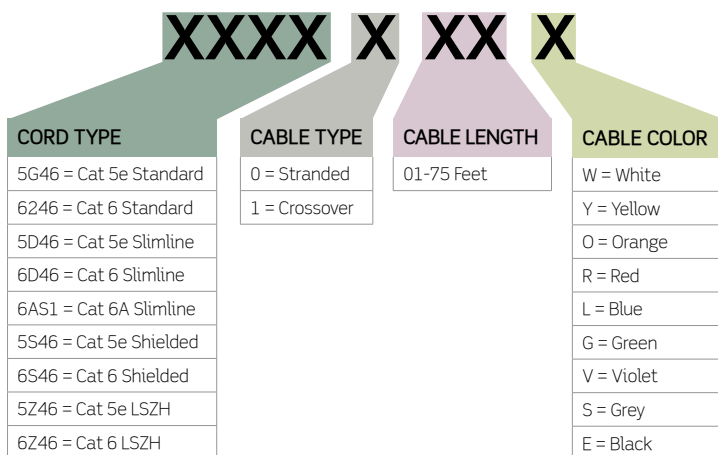
RoHS All Leviton CAT 6A/6 and 5e Patch Cords are RoHS Compliant



PART NUMBER CONFIGURATOR - COPPER PATCH CORDS

Example: **6D460-40R**; Slimline CAT 6 UTP, stranded cable, 40-foot length, red cable color.

FOR ASSISTANCE CONFIGURING YOUR COPPER PATCH CORD, PLEASE CALL 800.722.2082 OR VISIT LEVITON.COM/CONFIGURATOR.



Notes:

- 1) Maximum length for patch cords according to TIA standards is 72 ft. For patch cords longer than 72 ft., please contact the MTO Team.
- 2) Cat 6A Minimum length = 3 ft. Cat 6A Maximum length = 72 ft.
- 3) 6AS10 not available in Violet or Pink
- 4) 5Z460 & 6Z460 cords have lengths in meters, not feet. Low Smoke Zero Halogen (LSZH) cords are only available in blue, white, and grey colors.
- 5) 5G460 and 6Z460 cords in standard colors (W, Y, R, L, G, S, E) include color-matched boots. All other colors will be supplied with Grey boots.

CABLE ASSEMBLIES | Pre-terminated Trunks

COPPER
cable
assemblies



UTP jack to plug



UTP jack to jack



Shielded jack to shielded jack

PRE-TERMINATED COPPER TRUNKS

- Custom configured for length, connector type, and more
- Fast and easy installation with reduced labor costs
- 100% factory tested, with test results available
- CAT 6A trunks all use Leviton's component-rated connectors, which provide guaranteed performance in short lengths
- UTP connectors utilize Leviton's patented Retention Force Technology (RFT) for consistent system reliability
- Plugs feature clear SlimLine design with snagless strain relief boot
- Terminated ends offered in staggered or even cut
- Customized breakout length from braided sleeve improves installation flexibility and appearance
- Each assembly receives an individualized serial number, and individual cables are numbered relative to that serial number (custom labeling available on request)
- Pre-terminated assemblies are eligible for Leviton's limited lifetime product, system, and performance warranties
- Breakout distances can be even or staggered
- Optional pulling eye protects connectors and eases installation

RECOMMENDED APPLICATIONS:

- Data Center Cabinets
- Telecommunications Racks
- Quick Network Deployment



Online Configuration Assistance at leviton.com/configurator.

COPPER TRUNK CONFIGURATION OPTIONS

PERFORMANCE	JACK TO JACK	JACK TO PLUG	PLUG TO PLUG	JACK TO OPEN	PLUG TO OPEN
CAT 5e, UTP	•	•	•	•	•
CAT 6, UTP	•	•	•	•	•
CAT 6A, UTP	•			•	
CAT 6A, AXi UTP	•	•	•	•	•
CAT 5e, Shielded	•			•	
CAT 6, Shielded	•			•	
CAT 6A, Shielded	•	•	•	•	•

PART NUMBER CONFIGURATOR - PRE-TERMINATED COPPER TRUNKS

Example: **CT-U6P06L050F-JEC36Y-PEF36Y-SS03**; CAT 6 plenum cable assembly, 50-foot length, jack to plug terminations, staggered black jacks with a 36-inch breakout, staggered plugs with a 36-inch breakout, bundle of 6 blue cables encased in a plenum braided mesh sleeve with pulling eye on each end, standard labeling.

Stagger dimension is 1" offset.

Standard labeling includes trunk serial number as well as individually numbered cables on each end.

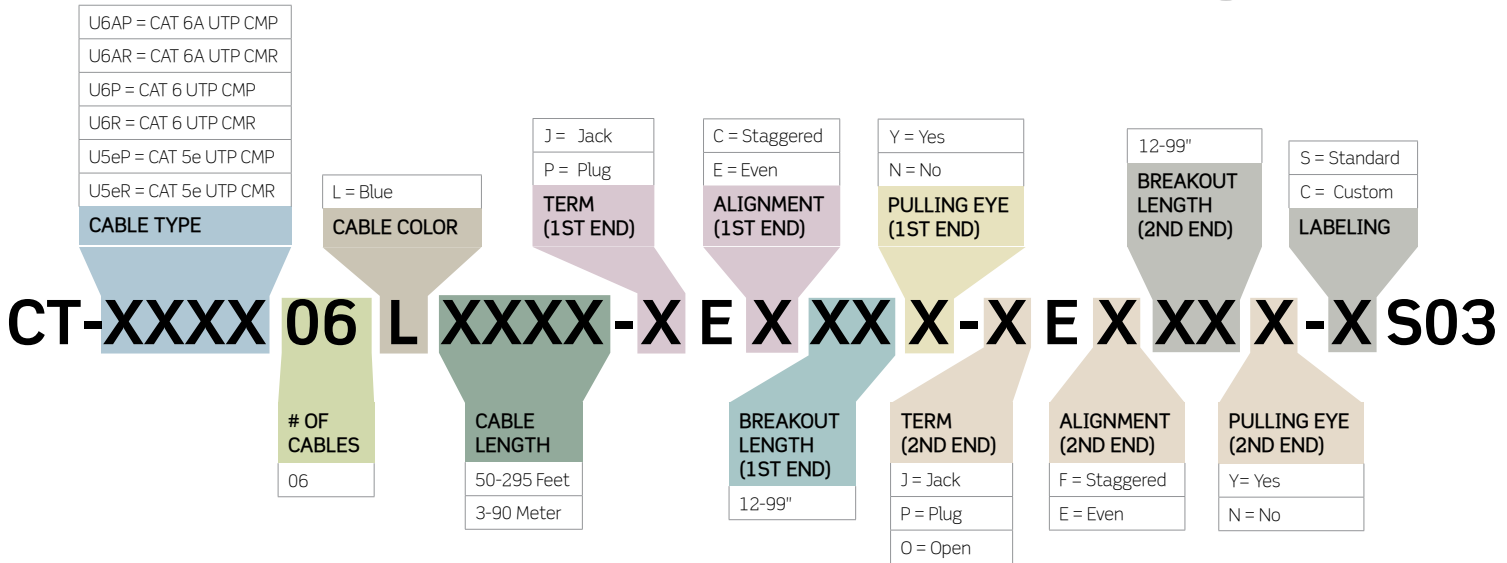
UTP cable provided with blue cable jacket; shielded cable provided with grey jacket.

FOR MORE OPTIONS, VISIT LEVITON.COM/CONFIGURATOR.

FOR ASSISTANCE CONFIGURING YOUR COPPER TRUNK, PLEASE CALL 800.722.2082.



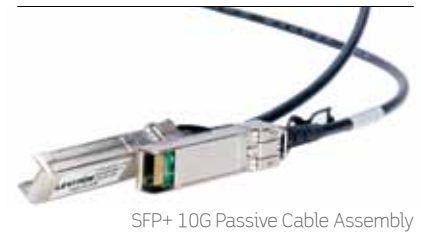
COPPER
cable assemblies



SFP+ 10G PASSIVE CABLE ASSEMBLIES

Choose Leviton Small Form-factor Pluggable Plus (SFP+) 10G Passive Copper Cable Assemblies for high-speed connectivity between active equipment with SFP+ ports.

- SFF-8431 compliant for SFP+ interconnects including Checksum EEPROM
- Meets requirements for data speeds up to 10 Gbps at distances up to seven meters
- Hot pluggable interconnect with low power, low latency
- Low-profile pull latch enables belly-to-belly cable installation
- Works in active equipment with highest possible port density
- Third-party verified through the University of New Hampshire InterOperability Lab (UNH-IOL)



SFP+ 10G PASSIVE COPPER CABLE ASSEMBLIES	
DESCRIPTION	PART NO.
SFP+ 10G Passive Copper Cable Assembly, 30 AWG, 1 meter length	SFP10-E01
SFP+ 10G Passive Copper Cable Assembly, 30 AWG, 3 meter length	SFP10-E03
SFP+ 10G Passive Copper Cable Assembly, 24 AWG, 5 meter length	SFP10-E05
SFP+ 10G Passive Copper Cable Assembly, 24 AWG, 7 meter length	SFP10-E07

CATEGORY-RATED CONNECTORS



FEATURED PRODUCTS

eXtreme CAT 6A
Channel-Rated &
Component-Rated
Connectors **A33**

Ensure exceptional data connectivity performance with the patented QuickPort® line of category-rated connectors. Choose from channel-rated or best-in-class component-rated solutions at every performance level from eXtreme® CAT 6A for 10G networks to legacy voice grade and USOC. For sensitive environments, shielded connectors in CAT 6A, 6, and 5e offer enhanced EMI/RFI protection and signal isolation.



CONE OF SILENCE®

The patented Cone of Silence (CoS) is a highly engineered connector cap, constructed with an advanced polymer material that surrounds the rear of the connector for superior alien crosstalk (AXT) suppression in CAT 6A connectors. After terminating the connector, simply slip the CoS onto the cable, slide it up, and snap it into place over the connector, with no increase in labor time.

COPPER

category-rated connectors



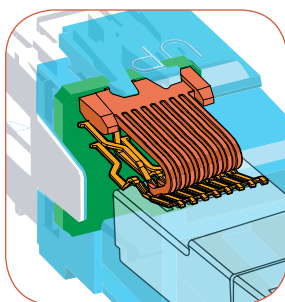
PAIR SEPARATION TOWERS

Separating wire pairs properly for punchdown can be a painstaking procedure. Leviton's Pair Separation Tower technology makes the process effortless. Included in all eXtreme® 6A, eXtreme 6+, and GigaMax® 5e+ connectors, the towers make termination quick and easy by physically separating each wire pair with a small, pointed tower.



DUAL-LAYER CONNECTOR LABELS

Work area installations are complicated enough. Leviton's patented connector wiring-scheme labels make field termination faster and easier. Instead of a single, heavily detailed schematic, our labels feature easy-to-read, double-layer diagrams. The top layer shows the T568B configuration for commercial installations. Peel back the easy-lift label to access the residential T568A schematic. No more eyestrain or mistakes from misreading.

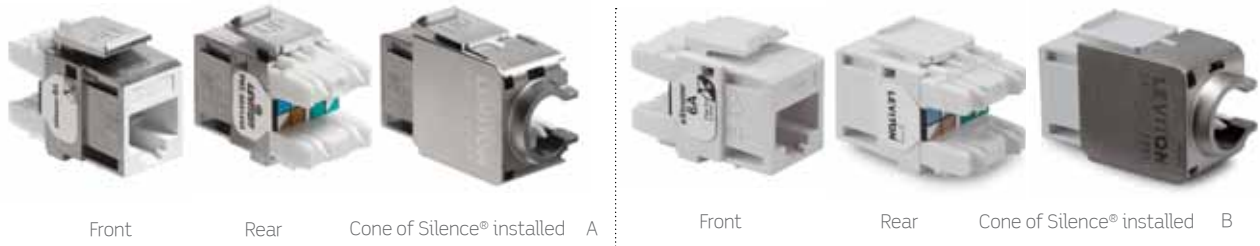


RETENTION FORCE TECHNOLOGY (RFT)

Leviton's patented Retention Force Technology, found in all CAT 6A, 6+, and 5e+ connectors, as well as in CAT 6 and 5e 110-style panels, provides unequalled durability and reliability for demanding applications. Its key feature, the polymer spring, supports tines and increases their resilience. Even when 4- or 6-pin plugs are inserted, the spring returns tines to their pre-stress positions and protects against damage, saving on costly repairs.

CATEGORY-RATED CONNECTORS | QuickPort® CAT 6A UTP

COPPER
category-
rated
connectors



QUICKPORT CAT 6A UTP CONNECTORS

eXtreme® CAT 6A component-rated UTP connectors include several exclusive performance-enhancing features:

- Component-rated connector features a metalized body, triple-stage compensation, and other design features that suppress AXT
- Conductor retention feature holds wires during termination
- Ideal for data centers where short link performance is critical

All eXtreme CAT 6A connectors include a wealth of features that deliver ease-of-use and superior performance:

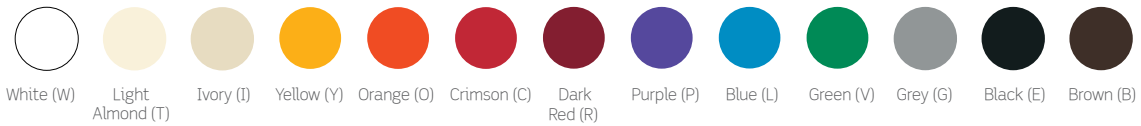
- TIA-568-C.2 performance up to 500 MHz to support 10GBASE-T networks
- Independently tested and verified by Intertek (ETL) to meet all TIA permanent link and channel requirements
- Patented dual-layer T568A/B label with larger wiring diagrams
- Patented Cone of Silence® helps suppress alien crosstalk (AXT)
- Patented Retention Force Technology (RFT) protects against damage from 4- or 6-pin plugs
- Pair Separation Towers ease conductor separation
- Backward compatible with CAT 6 and 5e systems, and 1000BASE-T applications

See "CAT 6A Termination Instructions" on page X7.

RoHS All Leviton Category-Rated and USOC Connectors are RoHS Compliant

QUICKPORT CAT 6A UTP CONNECTORS	
DESCRIPTION	PART NO.
[A] eXtreme CAT 6A Component-Rated Connector	6A10G-R*6
[B] eXtreme CAT 6A Channel-Rated Connector	6110G-R*6

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



SPOTLIGHT High-Frequency Performance



TIA-568-C.2 defines CAT 6A performance up to 500 MHz, twice the performance of CAT 6 (250 MHz). However, with this higher frequency comes significant electrical performance challenges. To counter these and enhance permanent link and channel performance, Leviton has designed and engineered a CAT 6A connector with patented, triple-stage compensation. An advanced rigid circuit board design, engineered tine geometry, and a flexible circuit provide compensation to minimize the adverse effects of critical TIA performance parameters, including near end crosstalk (NEXT), return loss (RL), and alien crosstalk (AXT).

CATEGORY-RATED CONNECTORS | QuickPort® CAT 6/5e+/5e UTP



COPPER
category-rated connectors

QUICKPORT CAT 6 UTP CONNECTORS

eXtreme® 6+ component-rated connectors include several features that deliver ease-of-use and superior performance:

- Patented Retention Force Technology (RFT) protects tines from damage from 4- or 6-pin plugs
- Pair Separation Tower design facilitates separation of conductors
- Patented dual-layer wiring label simplifies punchdown and reduces rework
- Increased wire retention reduces tine contact failure caused by cable stress and fatigue
- Gas-tight connection at the IDC prevents corrosion
- 110-style rear termination field for easy termination when installed in a wallplate or panel

QUICKPORT CAT 5E UTP CONNECTORS

Leviton offers two CAT 5e connectors, the GigaMax® 5e+ (5G110-xxx) and 5e (5G108-xxx) Both provide 1000BASE-T performance for high-bandwidth applications.

See "CAT 6 & 5e Termination Instructions" on pages X7-X8.

GigaMax CAT 5e+ (61110) connectors include exclusive performance-enhancing features:

- Component-rated for optimal channel performance
- RFT protects tines from damage from 4- or 6-pin plugs
- Pair Separation Towers facilitate quick, effective termination
- Patented dual-layer wiring label simplifies punchdown and reduces rework

RoHS All Leviton Category-Rated and USOC Connectors are RoHS Compliant

QUICKPORT CAT 6/5e+/5e UTP CONNECTORS

DESCRIPTION	PART NO.	QUICKPACK 25/BAG
[A] eXtreme 6+ CAT 6 Connector	61110-R*6	61110-B*6
[B] GigaMax 5e+ CAT 5e Connector	5G110-R*5	5G110-B*5
[C] GigaMax 5e CAT 5e Connector	5G108-R*5	5G108-B*5

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



SPOTLIGHT Component- vs. Channel-Rated Performance



All category-rated solutions are channel-rated, meaning that the end-to-end system has been tested to perform at or above its standard's requirements. Component-rated performance is more stringent than channel-rated: Each connectivity element is guaranteed to meet or exceed the standard's performance, resulting in higher permanent link and channel margins for the system as a whole.

CATEGORY-RATED CONNECTORS | QuickPort® CAT 5/3/USOC

COPPER

category-rated connectors



QUICKPORT CAT 5/3 & USOC UTP CONNECTORS

- Fits into all QuickPort wallplates and housings
- Full support of voice and low-speed data applications
- CAT 5 and 3 connectors meet all TIA channel requirements
- CAT 5/3 and 8P8C USOC accept RJ-45 plugs; 6P6C USOC accepts RJ-11 plugs



All Leviton Category-Rated and USOC Connectors are RoHS Compliant

QUICKPORT CAT 5/3/USOC UTP CONNECTORS	
DESCRIPTION	PART NO.
[A] CAT 5 Connector	41108-R*5
[B] CAT 3 Connector	41108-R*3
USOC Connector, 8P8C	41108-R*8
[C] USOC Connector, 6P6C	41106-R*6

* = Colors: Choose from any of the colors below (at page bottom).

Leviton's Connector Adapter Bezels allow all QuickPort connectors to be installed into compatible third-party wallplates and surface-mount boxes (SMBs).

CONNECTOR ADAPTER BEZELS

- Bezel color will be visible after installation
- Packaged individually and sold separately from connectors
- CommScope® bezels fit SYSTIMAX® or Uniprise® wallplates and SMBs

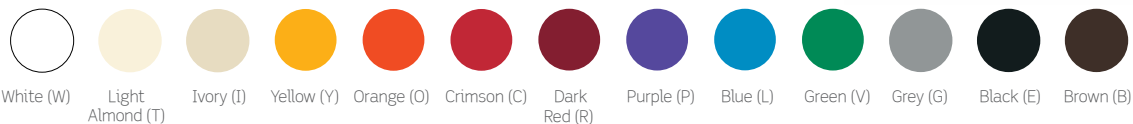


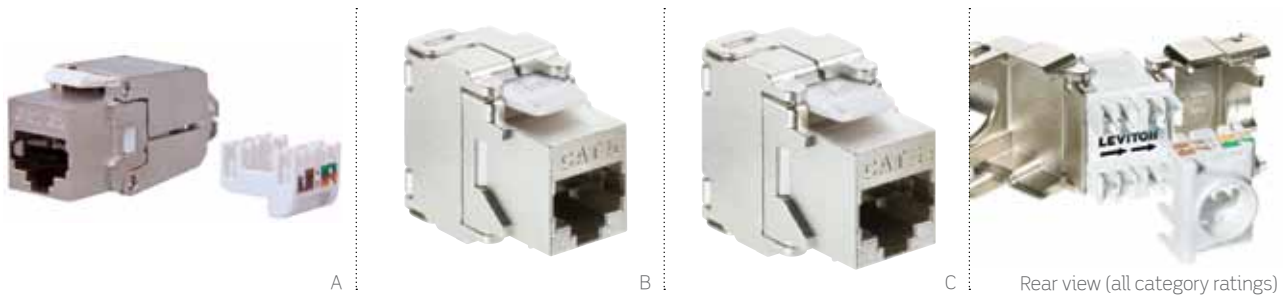
All Leviton Connector Adapter Bezels are RoHS Compliant

CONNECTOR ADAPTER BEZELS	
DESCRIPTION	PART NO.
[A] LexCom Connector Adapter Bezel	AB300-00†
[B] CommScope Connector Adapter Bezel	AB100-00†
[C] Clipsal® Connector Adapter Bezel	AB200-00*

† = Colors: Choose from white or black.

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





COPPER
category-rated connectors

QUICKPORT CAT 6A/6/5e SHIELDED CONNECTORS

- Independently tested to meet TIA-568-C.2 channel requirements
- Shielding provides Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI) protection, signal isolation, and excellent alien crosstalk (AXT) suppression
- Industry standard density is compatible with the QuickPort footprint
- Robust die-cast housing
- 270° wide-angle hinge provides easy access and termination
- No punchdown tool required; snaps closed when termination is complete
- Available in CAT 6A/6/5e performance levels
- Compatible with F/UTP, U/FTP and other common shielded cable types

See "Shielded Connector Termination Instructions" on page X8.

RoHS All Leviton Category-Rated and USOC Connectors are RoHS Compliant

QUICKPORT CAT 6A/6/5e SHIELDED CONNECTORS	
DESCRIPTION	PART NO.
[A] Shielded CAT 6A Connector	6ASHD-S6A
[B] Shielded CAT 6 Connector	6S180-SH6
[C] Shielded CAT 5e Connector	5S180-SH5

Use housings designed for shielded connectors. See page A46 & A49-A50 for wallplates and surface-mount boxes, and pages A13 & A15 for patch panels.

SPOTLIGHT Quickpack



QUICKPACK®

Save time and reduce packaging waste on large installations with QuickPack, Leviton's original bulk quantity connector package. With the recloseable and easy-to-store bag, unused product can easily be saved until needed. Each QuickPack bag contains 25 connectors and a minimum of 27 stuffer caps. QuickPack is available in eXtreme® 6+, GigaMax® 5e+ and 5e, and all 13 connector colors. See page A34 for part numbers.

A/V SOLUTIONS



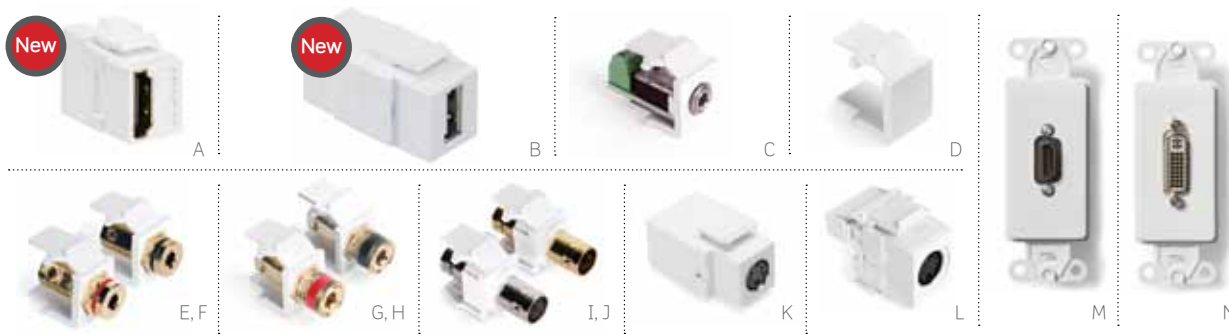
FEATURED PRODUCTS

New

QuickPort
HDMI Feedthrough
Connectors **A38**

Multimedia Outlet
System (MOS) **A41**

Deliver the high quality signals that are required for today's technologies with Leviton's line of A/V (audio/video) connectivity solutions. Connectors and adapters come in dozens of styles from QuickPort® HDMI®, S-video, and BNC to RCA, F-type, and many more. For larger multimedia applications, choose the Multimedia Outlet System (MOS) and configure wallplates with your choice of snap-in copper, fiber, audio, and video modules.



COPPER
A/V solutions

A/V CONNECTORS & ADAPTERS

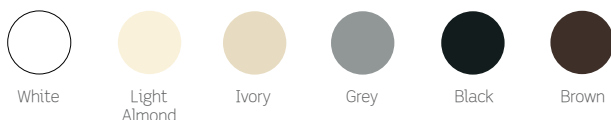
- HDMI® connector works with HDMI Type A connectors
- Binding Post and Banana Jack connectors are excellent for advanced audio
- QuickPort® Blanks secure unused ports in wallplates and housings for future expansion
- 3.5 mm Stereo Adapter facilitates classroom, workstation, and computer audio applications (termination diagram on page X9)
- Use BNC connectors for commercial CCTV or commercial video signals
- S-video for enhanced video streams available in feedthrough and 110 termination
- Decora® wallplate inserts with HDMI and DVI connections provide high definition video with in-wall wiring

A/V CONNECTORS & ADAPTERS, QUICKPORT

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

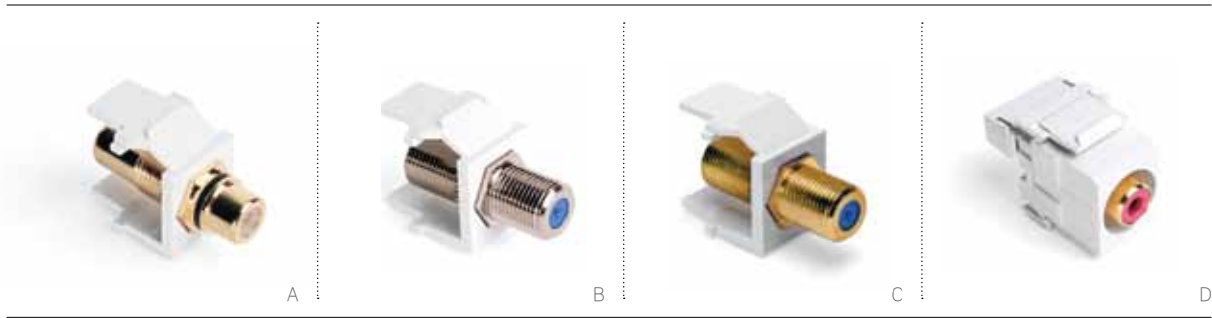
A/V INSERTS, DECORA

DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK	BROWN
[M] HDMI Insert, feedthrough	41647-00W		41647-00I			
[N] DVI Insert, feedthrough	41648-00W		41648-00I			



COPPER

A/V solutions



FEEDTHROUGH & 110-STYLE RCA & F-CONNECTORS

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

RCA CONNECTORS

- Standard identification colors for component and composite video
- Ideal for advanced audio

F-CONNECTORS

- Coax connectors ideal for satellite and cable TV
- Nickel- and gold-plated versions are both SCTE-compliant and support signals up to 3 GHz

FEEDTHROUGH RCA & F-CONNECTORS (FOR RCA & COAX CABLE)						
DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK	BROWN
[A] RCA Connector, gold-plated w/ black stripe, feedthrough	40830-BWE	40830-BTE	40830-BIE	40830-BGE	40830-BEE	40830-BBE
RCA Connector, gold-plated w/ red stripe, feedthrough	40830-BWR	40830-BTR	40830-BIR	40830-BGR	40830-BER	40830-BBR
RCA Connector, gold-plated w/ yellow stripe, feedthrough	40830-BWY	40830-BTY	40830-BIY			
RCA Connector, gold-plated w/ green stripe, feedthrough	40830-BWV		40830-BIV			
RCA Connector, gold-plated w/ blue stripe, feedthrough	40830-BWL		40830-BIL			
[B] F-Connector, nickel-plated, feedthrough	41084-FWF	41084-FTF	41084-FIF	41084-FGF	41084-FEF	41084-FBF
[C] F-Connector, gold-plated, feedthrough	40831-OBW	40831-OBT	40831-OB I			
110-STYLE RCA CONNECTORS (FOR UTP CABLE)						
DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK	BROWN
[D] RCA Connector, gold-plated w/ red barrel, 110 termination	40735-RRW	40735-RRT	40735-RRI	40735-RRG	40735-RRE	
RCA Connector, gold-plated w/ white barrel, 110 termination	40735-RWW	40735-RWT	40735-RWI	40735-RWG	40735-RWE	
RCA Connector, gold-plated w/ yellow barrel, 110 termination	40735-RYW	40735-RYT	40735-RYI	40735-RYG	40735-RYE	
RCA Connector, gold-plated w/ green barrel, 110 termination	40735-RVW		40735-RVI			
RCA Connector, gold-plated w/ blue barrel, 110 termination	40735-RLW		40735-RLI			
RCA Connector, gold-plated w/ orange barrel, 110 termination	40735-ROW	40735-ROT	40735-ROI	40735-ROG	40735-ROE	

See color swatches on page A38.

COPPER

A/V solutions



COMPRESSION, CRIMP-ON, & TWIST-ON RCA & F-CONNECTORS

Leviton's compression, crimp-on, and twist-on connectors are ideal for more specialized A/V applications. Compression connectors, available stand-alone or with QuickPort® housings, offer an airtight seal and secure fitting for increased cable retention. Crimp-on and twist-on connectors are an economical solution for less demanding applications.

RCA CONNECTORS

- RCA compression connectors include six color rings for signal identification
- RCA compression connectors offer high-quality installations using RG-6 Quad Shield cable

F-CONNECTORS

- Compression F-connectors offer high-quality installations using quad shield cable
- RG-6 connectors available in one- and two-piece twist-on and crimp-on styles

COMPRESSION, CRIMP-ON & TWIST-ON RCA & F CONNECTORS			
DESCRIPTION	RG-59 CABLE	RG-6 CABLE	RG-6 QUAD SHIELD
QuickPort RCA Compression Connector, red barrel, white housing			40782-RRW
QuickPort RCA Compression Connector, black barrel, white housing			40782-REW
QuickPort RCA Compression Connector, yellow barrel, white housing			[A] 40782-RYW
QuickPort RCA Compression Connector, blue barrel, white housing			40782-RLW
QuickPort RCA Compression Connector, green barrel, white housing			40782-RVW
RCA Compression Connector (colored rings included)			[B] 40985-CRU
QuickPort Compression F-Connector, white housing			[C] 40782-CPF
Compression F-Connector (colored rings included)			[D] 40985-CPF
F-Connectors, one-piece crimp-on (bag of 100)	[E] 40985-1P9	[F] 40985-1P6	[G] 40985-0Q6
F-Connectors, two-piece crimp-on (bag of 100)	[H] 40985-2P9	[I] 40985-2P6	
F-Connectors, twist-on (bag of 100)	[J] 40985-TW9	[K] 40985-TW6	

See page A67 for master compression and crimping tools.

SPOTLIGHT A/V Configurations



Leviton Decora and QuickPort systems offer compact, centralized connectivity for multimedia devices including A/V equipment. The customized wallplates and inserts provide "all-in-one" wiring solutions for multiple display and source devices. Configurations can be tailored for commercial and residential applications including laptops, projectors, HDTV and satellite, DVD, and stereo and gaming equipment.

COPPER

A/V solutions



The innovative Multimedia Outlet System (MOS) consists of a surface-mount box and single- and dual-gang wallplates which accept a variety of copper, fiber, and A/V connectors. The system is ideal for multimedia applications in conference rooms, training rooms, classrooms, auditoriums, and other areas.

MULTIMEDIA OUTLET SYSTEM (MOS)

- Front-load installation ensures simple moves, adds, and changes
- Modules are available in 0.5, 1, 1.5, and 2 unit high sizes
- Surface-mount housings accept 1 unit high modules only
- Plates accept 3 units high total
- Accommodates a combination of QuickPort® connectors and larger A/V components such as 3-port composite/component RCA and HD-15 Connectors
- Allows for flexibility in applications where deployment of a variety of voice, data, audio, and visual systems is needed

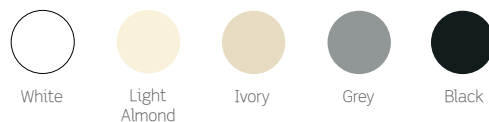
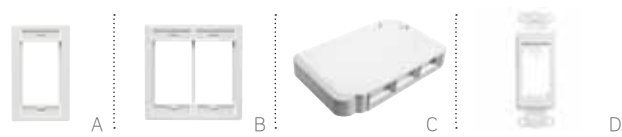
For fiber optic MOS products see pages B65-B66.

SPOTLIGHT MOS Configurations



Plates shown fitted with 1 unit high modules.

The MOS system is designed for customized combinations of voice, data, audio, and video connectivity. Each single-gang wallplate or housing accepts up to three modules, combining both standard QuickPort and other specialized styles. Adapters come in a variety of signal formats including SVGA, component and composite video, and a wide mixture of RCA and 3.5 mm for audio applications. Blank inserts are also available to create a finished look when building in extra capacity for future growth.



COPPER

A/V solutions

MOS HOUSINGS

DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK
[A] Single-Gang Wallplate	41290-SMW	41290-SMT	41290-SMI	41290-SMG	41290-SME
[B] Dual-Gang Wallplate	41290-DMW	41290-DMT	41290-DMI	41290-DMG	41290-DME
[C] Surface-Mount Box	41296-MMW	41296-MMT	41296-MMI	41296-MMG	41296-MME
[D] Decora® Insert, holds one 1 unit high MOS Module	41649-00W		41649-00I		



MOS A/V CONNECTOR MODULES (ALL MODULES ARE 1 UNIT HIGH)

DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK
[E] 3-Port RCA Module, (red, black, yellow), feedthrough	41292-3RW	41292-3RT	41292-3RI	41292-3RG	41292-3RE
[F] 3-Port RCA Module, (red, blue, green), 110 termination	41292-DVW		41292-DVI		
[G] 3-Port RCA Module, (red, white, yellow), 110 termination	41292-AVW		41292-AVI		
[H] VGA/HD-15 Module, feedthrough	41293-HDW	41293-HDT	41293-HDI	41293-HDG	41293-HDE
[I] VGA/HD-15 Module, screw terminal	41295-HDW		41295-HDI		
[J] VGA/HD-15 Connector Module, empty	41291-DBW	41291-DBT	41291-DBI	41291-DBG	41291-DBE
[K] HDMI® Module, feedthrough	41290-HDW		41290-HDI		



MOS QUICKPORT® ADAPTERS & BLANK MODULES

DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK
[M] 1-Port QuickPort Module (1 unit high)	41291-1MW	41291-1MT	41291-1MI	41291-1MG	41291-1MB
[N] 2-Port QuickPort Module (1 unit high)	41291-2QW	41291-2QT	41291-2QI	41291-2QG	41291-2QE
[O] 2-Port Angled QuickPort Module (1.5 units high)	41294-2QW	41294-2QT	41294-2QI	41294-2QG	41294-2QE
[P] Blank Module (0.5 units high)	41295-5BW	41295-5BT	41295-5BI	41295-5BG	41295-5BE
[Q] Blank Module (1 unit high)	41291-1BW	41291-1BT	41291-1BI	41291-1BG	41291-1BE
[R] Blank Module (1.5 units high)	41294-2BW	41294-1BT	41294-2BI	41294-2BG	41294-2BE
[S] Blank Module (2 units high)	41292-2BW	41292-2BT	41292-2BI	41292-2BG	41292-2BE

WALLPLATES & HOUSINGS



FEATURED PRODUCTS

New

Renu wallplates and inserts **A47**

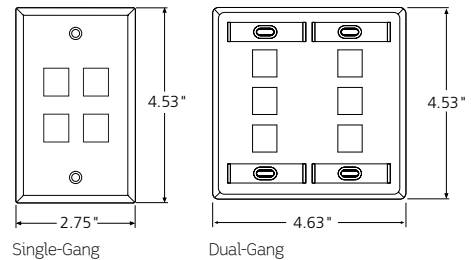
Customize your work area outlets with Leviton's extensive selection of wallplates and housings. We have the colors and styles you need for virtually any type of application. The new Renu® system offers tool-free, snap-on wallplate installation and QuickPort® compatibility. Additional wallplates come in plastic and stainless; one- to 12-port in single- or dual-gang; wall, surface, or furniture-mount; IP67-rated for industrial environments; even pre-configured for telephone and video.



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wallplates
 housings

QUICKPORT STANDARD PLASTIC WALLPLATES

- Compatible with all QuickPort connectors and adapters
- Manufactured from ABS plastic for superior resistance to impact, chemicals, and solvents, as compared to other plastics
- A variety of color choices, with color-matched screws
- cULus Listed, fire-retardant material rated UL 94V-0
- NAFTA-compliant single-gang wallplates are also available. To order, change 41080-xxx part numbers to 45080-xxx, and 42080-xxx part numbers to 46080-xxx. Both styles are available in white or ivory.

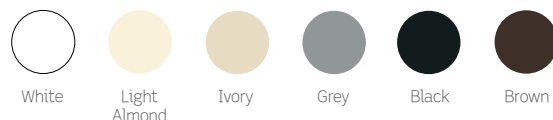


[A] QUICKPORT SINGLE-GANG WALLPLATES						
DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK	BROWN
6-Port Wallplate	41080-6WP	41080-6TP	41080-6IP	41080-6GP	41080-6EP	41080-6BP
4-Port Wallplate	41080-4WP	41080-4TP	41080-4IP	41080-4GP	41080-4EP	41080-4BP
3-Port Wallplate	41080-3WP	41080-3TP	41080-3IP	41080-3GP	41080-3EP	41080-3BP
2-Port Wallplate	41080-2WP	41080-2TP	41080-2IP	41080-2GP	41080-2EP	41080-2BP
1-Port Wallplate	41080-1WP	41080-1TP	41080-1IP	41080-1GP	41080-1EP	41080-1BP
[B] QUICKPORT SINGLE-GANG WALLPLATES WITH ID WINDOWS						
DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK	
6-Port Wallplate	42080-6WS	42080-6TS	42080-6IS	42080-6GS	42080-6ES	
4-Port Wallplate	42080-4WS	42080-4TS	42080-4IS	42080-4GS	42080-4ES	
3-Port Wallplate	42080-3WS	42080-3TS	42080-3IS	42080-3GS	42080-3ES	
2-Port Wallplate	42080-2WS	42080-2TS	42080-2IS	42080-2GS	42080-2ES	
1-Port Wallplate*	42080-1WS	42080-1TS	42080-1IS	42080-1GS	42080-1ES	
[C] QUICKPORT DUAL-GANG WALLPLATES WITH ID WINDOWS						
DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK	
12-Port Wallplate	42080-12W	42080-12T	42080-12I	42080-12G	42080-12E	
8-Port Wallplate	42080-8WP	42080-8TP	42080-8IP	42080-8GP	42080-8EP	
6-Port Wallplate	42080-6WP	42080-6TP	42080-6IP	42080-6GP	42080-6EP	
4-Port Wallplate	42080-4WP	42080-4TP	42080-4IP	42080-4GP	42080-4EP	
3-Port Wallplate	42080-3WP	42080-3TP	42080-3IP	42080-3GP	42080-3EP	
2-Port Wallplate†	42080-2WP	42080-2TP	42080-2IP	42080-2GP	42080-2EP	
1-Port Wallplate†	42080-1WP	42080-1TP	42080-1IP	42080-1GP	42080-1EP	

Wallplates are sold empty. See pages A33-A40 for QuickPort connectors.

*Single-gang 1-Port Wallplate only has one ID window on top.

†Dual-gang 1- and 2-Port Wallplates only have two ID windows on top.



WALLPLATES & HOUSINGS | QuickPort® Wallplates > Stainless Steel

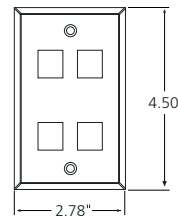
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wallplates
 housings

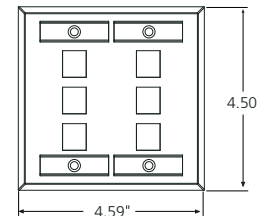


QUICKPORT STAINLESS STEEL WALLPLATES

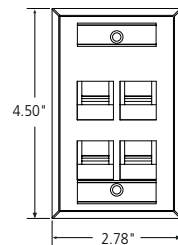
- Compatible with all QuickPort adapters and connectors, including shielded
- Manufactured from 304 stainless steel in a brushed finish to provide corrosion resistance in a non-magnetic material
- Available in single- and dual-gang, with or without ID windows
- Angled wallplate ports facilitate proper front and rear cable bend radius
- Wall phone wallplates are available in flush and recessed options to accommodate various phone styles
- cULus Listed



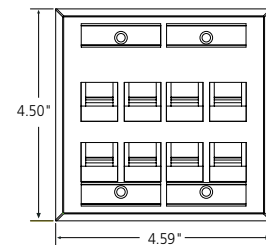
Single-Gang
Stainless Steel



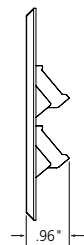
Dual-Gang
Stainless Steel



4-Port, Single-Gang
Angled, Stainless Steel



8-Port, Dual-Gang
Angled, Stainless Steel

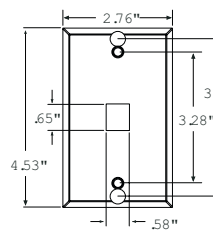


QUICKPORT SINGLE-GANG STAINLESS STEEL WALLPLATES

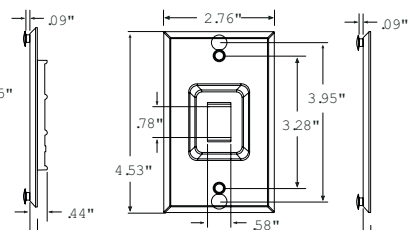
DESCRIPTION	[A]	STANDARD	[B]	W/ ID WINDOW
6-Port Wallplate		43080-1S6		43080-1L6
4-Port Wallplate		43080-1S4		43080-1L4
3-Port Wallplate		43080-1S3		43080-1L3
2-Port Wallplate		43080-1S2		43080-1L2
1-Port Wallplate		43080-1S1		43080-1L1

QUICKPORT DUAL-GANG STAINLESS STEEL WALLPLATES

DESCRIPTION	[A]	STANDARD	[B]	W/ ID WINDOW
12-Port Wallplate		43080-S12		43080-L12
8-Port Wallplate		43080-2S8		43080-2L8
6-Port Wallplate		43080-2S6		43080-2L6
4-Port Wallplate		43080-2S4		43080-2L4
2-Port Wallplate		43080-2S2		43080-2L2



Wall Phone Wallplate
Stainless Steel



Wall Phone Wallplate,
Recessed, Stainless Steel

[C] QUICKPORT ANGLED STAINLESS STEEL WALLPLATES W/ ID WINDOWS

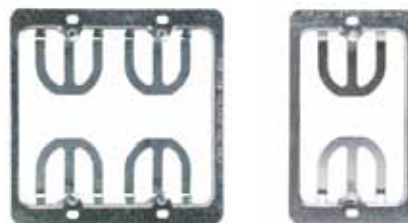
DESCRIPTION	PART NO.
4-Port Angled Wallplate, single-gang	43081-1L4
8-Port Angled Wallplate, dual-gang	43081-2L8

[D] QUICKPORT STAINLESS STEEL WALL PHONE WALLPLATES

DESCRIPTION	PART NO.
Stainless Steel Wall Phone Wallplate	4108W-OSP
Stainless Steel Wall Phone Wallplate, recessed	4108W-1SP

Wallplates are sold empty. See pages A33-A40 for QuickPort connectors.
See page A58 for voice-grade wall phone jacks.
See page X13 for more information on stainless steel materials.

SPOTLIGHT Wallplate Mounting Brackets



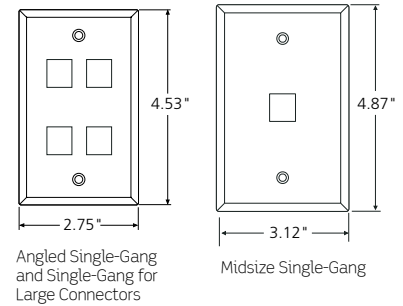
Mounting a flush-mount wallplate without a back box is easy with Leviton mounting brackets. The bracket insets into a wall opening, and flexible tabs bend up to secure the bracket to the opening. Standard screw holes accept all wallplate configurations. See page E23 for part numbers and additional information.



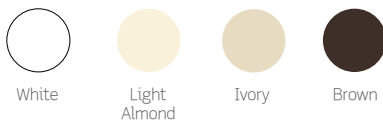
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wallplates
 housings

QUICKPORT ANGLED, MIDSIZE, & LARGE CONNECTOR WALLPLATES

- Compatible with all QuickPort connectors and adapters
- Angled and large connector wallplates are high-quality ABS plastic which provides superior resistance to impacts, chemicals, and solvents as compared to other plastics
- Midsize wallplates are durable nylon with a smooth finish and help to hide irregular drywall cuts or flaws around outlets
- Large connector wallplates are ideal for use with larger-sized shielded connectors
- Angled wallplates facilitate optimal cable management and ensure proper bend radius in front and back of connector
- cULus Listed, fire-retardant material rated UL 94V-0

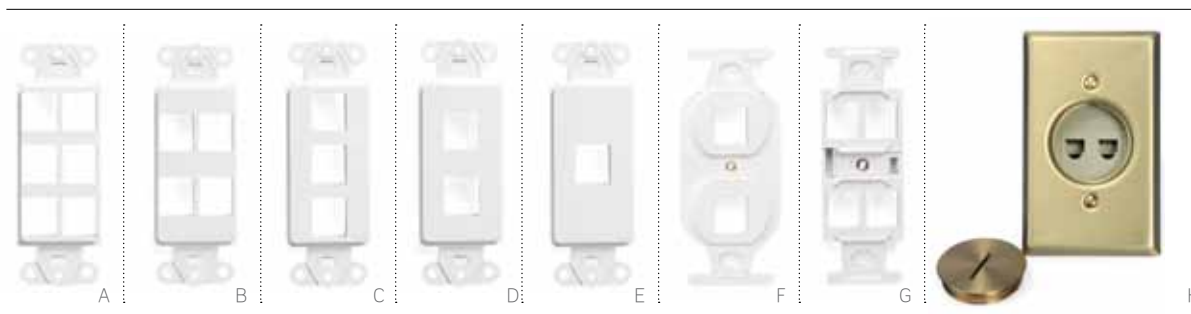


[A] QUICKPORT ANGLED SINGLE-GANG WALLPLATES				
DESCRIPTION	WHITE	LT. ALMOND	IVORY	
4-Port Wallplate	41081-4WP	41081-4TP	41081-4IP	
2-Port Wallplate	41081-2WP	41081-2TP	41081-2IP	
4-Port Wallplate, w/ ID windows	42081-4WS	42081-4TS	42081-4IS	
2-Port Wallplate, w/ ID windows	42081-2WS	42081-2TS	42081-2IS	
[B] QUICKPORT MIDSIZE SINGLE-GANG WALLPLATES				
DESCRIPTION	WHITE	LT. ALMOND	IVORY	BROWN
6-Port Wallplate	41091-6WN	41091-6TN	41091-6IN	41091-6BN
4-Port Wallplate	41091-4WN	41091-4TN	41091-4IN	41091-4BN
3-Port Wallplate	41091-3WN	41091-3TN	41091-3IN	41091-3BN
2-Port Wallplate	41091-2WN	41091-2TN	41091-2IN	41091-2BN
1-Port Wallplate	41091-1WN	41091-1TN	41091-1IN	41091-1BN
[C] QUICKPORT SINGLE-GANG WALLPLATES FOR LARGE CONNECTORS				
DESCRIPTION	WHITE	LT. ALMOND	IVORY	
4-Port Wallplate	41080-4WL	41080-4TL	41080-4IL	
2-Port Wallplate	41080-2WL	41080-2TL	41080-2IL	
4-Port Wallplate, w/ ID windows	42080-4WL	42080-4TL	42080-4IL	
2-Port Wallplate, w/ ID windows	42080-2WL	42080-2TL	42080-2IL	



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wallplates
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QUICKPORT DECORA & DUPLEX INSERTS

- Combine voice, data, and A/V connectors in popular Decora and Duplex wallplate formats
- Decora inserts are compatible with Decora and Decora Plus wallplates

QUICKPORT FLOOR BOX ASSEMBLIES

- Combine voice, data, and A/V connectors in convenient in-floor locations
- Floor box assemblies include brass wallplate and screw cap
- Inserts and connectors are ivory



Inserts fit Decora and Duplex wallplates found on pages A59-A60.

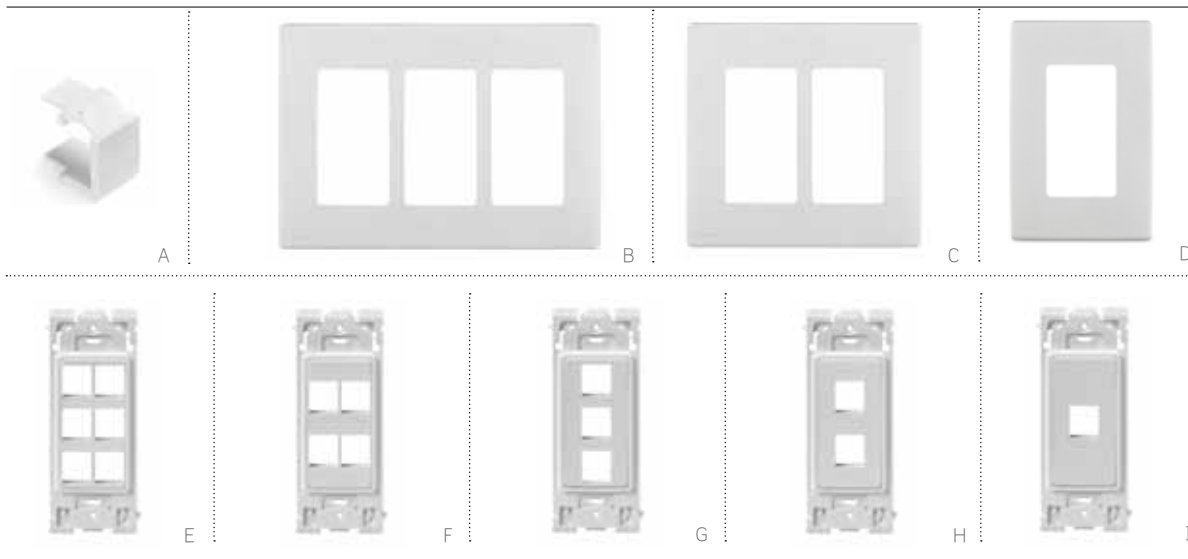
QUICKPORT DECORA MULTIMEDIA INSERTS						
DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK	BROWN
[A] 6-Port Insert	41646-00W	41646-00T	41646-00I	41646-0GY	41646-00E	41646-00B
[B] 4-Port Insert	41644-00W	41644-00T	41644-00I	41644-0GY	41644-00E	41644-00B
[C] 3-Port Insert	41643-00W	41643-00T	41643-00I	41643-0GY	41643-00E	41643-00B
[D] 2-Port Insert	41642-00W	41642-00T	41642-00I	41642-0GY	41642-00E	41642-00B
[E] 1-Port Insert	41641-00W	41641-00T	41641-00I	41641-0GY	41641-00E	41641-00B
Blank Insert	80414-00W	80414-00T	80414-00I	80414-0GY	80414-00E	80414-000

QUICKPORT DECORA TYPE 106 DUPLEX INSERTS					
DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK
[F] 2-Port Duplex Insert	41087-2WP	41087-2TP	41087-2IP	41087-2GP	41087-2EP
[G] 4-Port Duplex Insert	41087-QWP	41087-QTP	41087-QIP	41087-QGP	41087-QEP

QUICKPORT FLOOR BOX ASSEMBLY W/ INSERT, BRASS PLATE & SCREW CAP	
DESCRIPTION	PART NO.
Floor Box Assembly, one F-connector module, one blank module	41650-00F
Floor Box Assembly, one 6P6C connector, one blank module	41650-006
Floor Box Assembly, one blank module	41652-000
[H] Floor Box Assembly, two 6P6C connectors	41652-006
Floor Box Assembly, one 6P6C connector, one F-connector module	41652-06F

Inserts A-G are sold empty. See pages A33-A40 for QuickPort connectors.
 Floor Box Assemblies sold as complete kits only, individual components not sold separately.





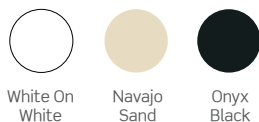
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wallplates
housings

Introducing Renu, Leviton's smart new electrical and data connectivity system. QuickPort® compatible wallplates snap on and off quickly and easily with no tools, simplifying installation and ongoing maintenance. Choose from wallplates and inserts in White On White, Navajo Sand, and Onyx Black.

RENU WALLPLATES AND INSERTS

- Inserts accept all QuickPort connectors
- Screwless wallplates easily snap on to any Renu insert or device
- Slightly larger size covers wall imperfections
- Tongue and groove design simplifies alignment in multi-gang installations
- Adapter ring allows use of Decora® device with Renu wallplates
- Available in three standard colors to coordinate with the commercial-grade QuickPort line (white, light almond, black)
- Additional wallplate colors for switches, dimmers, and outlets available; visit www.leviton.com/renu
- cULus Listed
- 1 year limited warranty

RENU WALLPLATES & INSERTS			
DESCRIPTION	WHITE ON WHITE	NAVAJO SAND	ONYX BLACK
[A] Snap-In Blank Module	RE640-BWW	RE640-BNS	RE640-BOB
Four-Gang Wallplate	REWP4-0WW	REWP4-0NS	REWP4-0OB
[B] Three-Gang Wallplate	REWP3-0WW	REWP3-0NS	REWP3-0OB
[C] Dual-Gang Wallplate	REWP2-0WW	REWP2-0NS	REWP2-0OB
[D] Single-Gang Wallplate	REWP1-0WW	REWP1-0NS	REWP1-0OB
[E] 6-Port Insert	RE640-WW6	RE640-NS6	RE640-OB6
[F] 4-Port Insert	RE640-WW4	RE640-NS4	RE640-OB4
[G] 3-Port Insert	RE640-WW3	RE640-NS3	RE640-OB3
[H] 2-Port Insert	RE640-WW2	RE640-NS2	RE640-OB2
[I] 1-Port Insert	RE640-WW1	RE640-NS1	RE640-OB1



WALLPLATES & HOUSINGS | QuickPort® Boxes, Modules & Accessories

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wallplates
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Leviton has a number of surface mount boxes and modular furniture solutions to suit your needs. QuickPort Surface Mount Boxes are easily field configured with QuickPort connectors (sold separately) and contain knockouts to accommodate raceway and cable entry. They can be mounted with screws or adhesive mounting tape (both provided), or with magnets or modular furniture brackets (sold separately).

QuickPort Modular Furniture Products offer simple snap-in installation and an attractive streamlined appearance. Furniture faceplates accept QuickPort connectors and snap easily and snugly into standard modular furniture. Modular Furniture Brackets facilitate installation of Leviton surface mount boxes or faceplates with back boxes.

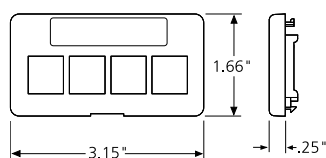
QUICKPORT BOXES, MODULES & ACCESSORIES

- Surface-mount boxes and back boxes have breakouts to match common surface-mount raceway systems
- 4S089 products are designed to work with Leviton shielded or eXtreme® CAT 6A connectors to allow proper bend radius control

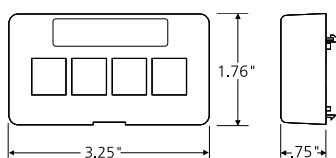
QUICKPORT MODULAR FURNITURE PRODUCTS

- QuickPort modular furniture faceplates accept all QuickPort connectors and snap easily and snugly into standard modular furniture
- Front-load installation of module ensures simple moves, adds, and changes without removing the furniture channel cover
- Faceplates are cULus Listed
- Modular furniture brackets are used to install QuickPort surface-mount boxes or faceplates with back boxes in many types of modular offices

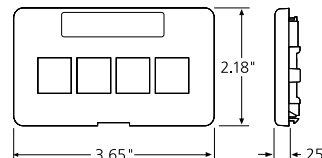
WALLPLATES & HOUSINGS | QuickPort® Boxes, Modules & Accessories



2- & 4-Port Standard Depth Modular Faceplate
Fits openings of approximately 1.38" x 2.63" (1 3/8" x 2 5/8")



4-Port Extended Depth Modular Faceplate for installation into shallow raceway channels
Fits openings of approximately 1.38" x 2.63" (1 3/8" x 2 5/8")



Herman Miller 2- & 4-Port Modular Faceplate
Fits openings of approximately 1.88" x 2.98" (1 7/8" x 2 7/8")

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Standard and extended depth faceplates are compatible when used with Herman Miller G1189A Reducer, available from Herman Miller dealers.

QUICKPORT SURFACE-MOUNT BOXES

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

SINGLE AND DUAL-GANG SURFACE-MOUNT BACK BOXES

DESCRIPTION	WHITE	IVORY	GREY	BLACK
[H] Single-Gang Standard Back Box, 4.72" H x 2.96" W x 1.89" D	42777-1WA	42777-1IA	42777-1GA	42777-1EA
[I] Single-Gang Shallow Back Box, 4.72" H x 2.96" W x 1.45" D	42777-1WB	42777-1IB	42777-1GB	42777-1EB
[J] Dual-Gang Standard Back Box, 4.72" H x 4.77" W x 1.89" D	42777-2WA	42777-2IA	42777-2GA	42777-2EA
[K] Dual-Gang Shallow Back Box, 4.72" H x 4.77" W x 1.45" D	42777-2WB	42777-2IB	42777-2GB	42777-2EB

MAGNETS AND MODULAR FURNITURE BRACKETS

DESCRIPTION	PART NO.
[L] Set of 4 Magnets, 1.00" H x 0.84" W x 0.30" D	41030-SMJ

MODULAR FURNITURE BRACKETS

DESCRIPTION	PART NO.
[M] Steelcase 9000®, Haworth®, Knoll®, Allsteel®, Westinghouse®, and Teknion®	49222-BLK
[N] Herman Miller Ethospace® and Steelcase Avenir®	49222-ESP
[O] Herman Miller Action Office®	49222-HAO

QUICKPORT MODULAR FURNITURE FACEPLATES

DESCRIPTION	WHITE	IVORY	GREY	BLACK
2-Port Standard Depth	49910-SW2	49910-SI2	49910-SG2	49910-SE2
[P] 4-Port Standard Depth w/ 1 QuickPort Blank	49910-SW4	49910-SI4	49910-SG4	49910-SE4
4-Port Extended Depth w/ 1 QuickPort Blank	49910-EW4	49910-EI4	49910-EG4	49910-EE4
2-Port Herman Miller	49910-HW2	49910-HI2	49910-HG2	49910-HE2
[Q] 4-Port Herman Miller w/ 1 QuickPort Blank	49910-HW4	49910-HI4	49910-HG4	49910-HE4

Use one magnet for 2-port surface-mount housing. Use two magnets for 4-, 6-, and 12-port surface-mount housings and single- and dual-gang surface-mount back boxes.



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wallplates housings



DURAPORT CONNECTOR HOUSING

- Twist-lock mating allows for easy installation and provides a robust seal
- Compatible with eXtreme® 6+ and GigaMax® 5e+ QuickPort® connectors
- Captive connector cap with retainer protects and seals unused ports

DURAPORT OUTLET KIT

- DuraPort components packaged together for added convenience
- Kits include connector housing, connector cap, and stainless steel wallplate
- Patch cords and QuickPort connectors are sold separately

DURAPORT STAINLESS STEEL WALLPLATE

- Patented overmolded gasket on wallplates provides a watertight fit
- Compatible with standard NEMA boxes

DURAPORT PATCH CORDS

- Available in industrial plug to industrial plug, and industrial plug to RJ-45 plug configurations
- Patch cords are CAT 6 rated

SPOTLIGHT Industrial Wallplate Design



The DuraPort industrial wallplate is manufactured with a patented industry-first, overmolded gasket. The gasket seals not only the edge of the plate where it meets the wall, but also extends behind each mounting screw hole for a complete seal without the need for conventional O-rings. The integrated wallplate and gasket, in addition to providing exceptional sealing, also help to position and retain screws during installation, so the wallplate aligns perfectly and seats flush every time.

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wallplates
 housings

DURAPORT INDUSTRIAL CONNECTOR HOUSINGS

DESCRIPTION	PART NO.
[A] CAT 6 Industrial Connector Housing w/ Connector Cap (product supplied w/ black 61110 connector)	D6706-00E
CAT 5e Industrial Connector Housing w/ Connector Cap (product supplied w/ black 5G110 connector)	D675E-00E
Housing w/ Connector Cap (connector not included)	D6700-00E
Connector Cap (connector and housing not included)	D6701-00E

DURAPORT INDUSTRIAL STAINLESS STEEL WALLPLATES

DESCRIPTION	PART NO.
[B] Industrial Wallplate, stainless steel, 1-port, single-gang	D6710-1S1
[C] Industrial Wallplate, stainless steel, 2-port, single-gang	D6710-1S2
[D] Industrial Wallplate, stainless steel, 2-port, dual-gang	D6710-2S2
[E] Industrial Wallplate, stainless steel, 4-port, dual-gang	D6710-2S4

DURAPORT INDUSTRIAL PATCH CORDS, CAT 6

DESCRIPTION	PART NO.
[F] Industrial Plug to Industrial Plug, 3'	D6720-03E
Industrial Plug to Industrial Plug, 5'	D6720-05E
Industrial Plug to Industrial Plug, 7'	D6720-07E
Industrial Plug to Industrial Plug, 10'	D6720-10E
Industrial Plug to Industrial Plug, 15'	D6720-15E
Industrial Plug to Industrial Plug, 20'	D6720-20E
[G] Industrial Plug to RJ-45 Plug, 3'	D6721-03E
Industrial Plug to RJ-45 Plug, 5'	D6721-05E
Industrial Plug to RJ-45 Plug, 7'	D6721-07E
Industrial Plug to RJ-45 Plug, 10'	D6721-10E
Industrial Plug to RJ-45 Plug, 15'	D6721-15E
Industrial Plug to RJ-45 Plug, 20'	D6721-20E

DURAPORT INDUSTRIAL OUTLET KITS

DESCRIPTION	PART NO.
Industrial Outlet Kit, stainless steel, 1-port, single-gang	D670K-1S1
[H] Industrial Outlet Kit, stainless steel, 2-port, single-gang	D670K-1S2
Industrial Outlet Kit, stainless steel, 2-port, dual-gang	D670K-2S2
[I] Industrial Outlet Kit, stainless steel, 4-port, dual-gang	D670K-2S4

IP67-RATED INGRESS PROTECTION

IP ratings are based on International Standard IEC 60529. All DuraPort products are IP67-rated as highlighted in the charts.

See page X13 for more information on NEMA and IEC enclosure certification.

Protection against solid objects

0	None
1	Solid objects larger than 50 mm
2	Solid objects larger than 12.5 mm
3	Solid objects larger than 2.5 mm
4	Solid objects larger than 1.0 mm
5	Dust
6	Dust tight

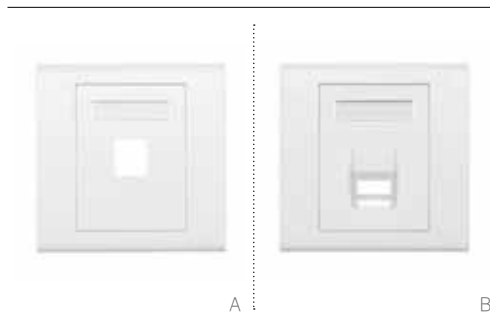
Protection against water

0	None
1	Vertically falling water drops
2	Vertically falling water drops (up to 15° angle)
3	Spraying water
4	Splashing water
5	Water jets
6	Powerful water jets
7	Temporary immersion in water
8	Continuous immersion in water

WALLPLATES & HOUSINGS | 86 mm x 86 mm Excella® British Standard

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 housings



EXCELLA WALLPLATE INSERTS & FRAMES

- Inserts available in 1-, 2-, and 4-port flat, and 1- and 2-port angled configurations
- All 1- and 2-port inserts include designation windows
- Inserts accept QuickPort® connectors (sold separately)
- 86 mm x 86 mm frame size conforms to BS 4662 and BS 5733 electrical box standards
- Inserts are white and ship with white wallplate frame
- Colored frames available separately (see colors and part numbers below)

EXCELLA WALLPLATE INSERTS

DESCRIPTION	PART NO.
[A] QuickPort Wallplate Insert w/ ID Window, 1-port, empty	BL186-P1W
QuickPort Wallplate Insert w/ ID Window, 2-port, empty	BL186-P2W
QuickPort Wallplate Insert, 4-port, empty	BL186-P4W
[B] QuickPort Angled Wallplate Insert w/ ID Window, 1-port, empty	BL186-A1W
QuickPort Angled Wallplate Insert w/ ID Window, 2-port, empty	BL186-A2W
Blank Wallplate Insert	BL000-00W

EXCELLA METALLIC WALLPLATE FRAMES

DESCRIPTION	PART NO.
Wallplate Frame, pearl yellow	BLWP1-PEY
Wallplate Frame, piano black	BLWP1-PIB
Wallplate Frame, glossy silver	BLWP1-GSS
Wallplate Frame, champaign gold	BLWP1-CHG
Wallplate Frame, navy blue	BLWP1-NVB
Wallplate Frame, metallic green	BLWP1-MEG
Wallplate Frame, hot pink	BLWP1-HTP
Wallplate Frame, sky blue	BLWP1-SKB

Wallplates sold empty. See pages A33-A40 for QuickPort connectors.



Pearl Yellow

Piano Black

Glossy Silver

Champaign Gold

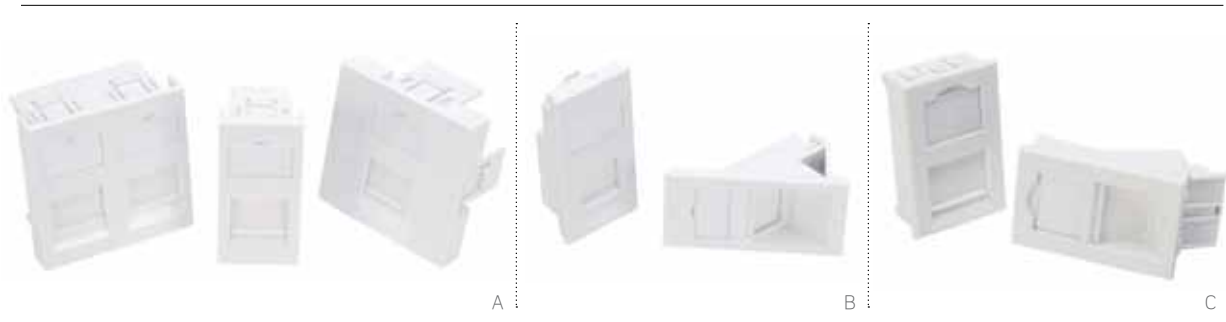
Navy Blue

Metallic Green

Hot Pink

Sky Blue

WALLPLATES & HOUSINGS | 86 mm x 86 mm French-, British-, and LJ6C-Style



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FRENCH-, BRITISH-, AND LJ6C-STYLE WALLPLATE INSERTS

- Designed to fit matching 86 mm x 86 mm wallplates
- Accept QuickPort® data connectors (sold separately)
- Include ID window kits for port designation
- Spring-loaded shutters protect connector while not in use
- Available in white ABS plastic

DIMENSIONS

- French-style inserts fit 45 mm x 45 mm openings
- British-style inserts fit 50 mm x 50 mm openings
- LJ6C-style inserts fit 22 mm x 37 mm openings

[A] FRENCH-STYLE WALLPLATE INSERTS	
DESCRIPTION	PART NO.
French-style Wallplate Insert, 45 mm x 22.5 mm, 1-port, flat, white	LI145-1W1
French-style Wallplate Insert, 45 mm x 45 mm, 1-port, flat, white	LI145-2W1
French-style Wallplate Insert, 45 mm x 45 mm, 2-port, flat, white	LI145-2W2
[B] BRITISH-STYLE WALLPLATE INSERTS	
DESCRIPTION	PART NO.
British-style Wallplate Insert, 50 mm x 25 mm, 1-port, flat, white	LI150-1W1
British-style Wallplate Insert, 50 mm x 25 mm, 1-port, angled, white	LI150-AW1
British-style Wallplate Insert, 50 mm x 50 mm, 1-port, flat, white	LI150-2W1
British-style Wallplate Insert, 50 mm x 12.5 mm, blank, flat, white	LI150-0W0
[C] LJ6C-STYLE WALLPLATE INSERTS	
DESCRIPTION	PART NO.
LJ6C-style Wallplate Insert, 37 mm x 22 mm, 1-port, flat, white	LI137-1W1
LJ6C-style Wallplate Insert, 37 mm x 22 mm, 1-port, angled, white	LI137-AW1

WALLPLATES & HOUSINGS | Telephone & Video Wallplates

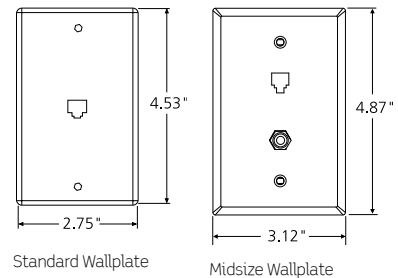
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TELEPHONE & VIDEO WALLPLATES

- Provide quick at-the-wall connections for RJ-11 telephone and F-connection video applications
- High-quality ABS plastic or nylon which provides superior resistance to impacts, chemicals, and solvents as compared to other plastics
- Midsize wallplates hide irregular drywall cuts or flaws around outlets
- cULus Listed, fire-retardant material rated UL 94V-0



STANDARD TELEPHONE & VIDEO WALLPLATES				
DESCRIPTION	WHITE	LT. ALMOND	IVORY	
[A] Wall Jack, 6P4C	40249-00W	40249-00T	40249-00I	
[B] Wall Jack, 6P4C + 6P4C	40244-00W	40244-00T	40244-00I	
[C] Wall Jack, 6P4C + F-connector	40259-00W	40259-00T	40259-00I	
[D] Wall Jack, F-connector	80781-00W	80781-00T	80781-00I	
[E] Wall Jack, F-connector + F-connector	80782-00W	80782-00T	80782-00I	
Wall Jack, 6P6C	40238-00W	40238-00T	40238-00I	
Wall Jack, 6P6C + F-connector	40258-00W	40258-00T	40258-00I	
Wall Jack, 6P6C + 6P6C	40266-00W	40266-00T	40266-00I	
Wall Jack, 8P8C	40280-00W	40280-00T	40280-00I	
MIDSIZE TELEPHONE & VIDEO WALLPLATES (NYLON)				
DESCRIPTION	WHITE	LT. ALMOND	IVORY	BROWN
[F] Wall Jack, 6P4C	40539-PMW	40539-PMT	40539-PMI	40539-PMB
[G] Wall Jack, 6P4C + F-connector	40539-CMW	40539-CMT	40539-CMI	40539-CMB
[H] Wall Jack, F-connector	40539-0MW	40539-0MT	40539-0MI	40539-0MB
[I] Hex Opening (connector not included)	40539-HMW	40539-HMT	40539-HMI	40539-HMB
MIDSIZE TELEPHONE & VIDEO WALLPLATES (ABS)				
DESCRIPTION	WHITE	LT. ALMOND	IVORY	
[J] Wall Jack, 6P4C	40549-00W	40549-00T	40549-00I	
[K] Wall Jack, 6P4C + 6P4C	40544-00W	40544-00T	40544-00I	

WALLPLATES & HOUSINGS | Decora® Telephone & Video Wallplates & Inserts



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DECORA TELEPHONE & VIDEO WALLPLATES

- 6P4C models feature lead-frame design for improved reliability and simple installation
- Decora inserts are compatible with Decora wallplates and Decora Plus screwless wallplates
- Decora wallplate assemblies include a Decora insert and matching Decora wallplate
- Decora Kits include a 1- or 2-port QuickPort® Decora insert and USOC or F-type QuickPort connectors
- Inserts, assemblies, and kits are cULus Listed and rated UL 94V-0



Inserts fit Decora Wallplates found on page A59.

DECORA STANDARD TELEPHONE & VIDEO WALLPLATE ASSEMBLIES (WALLPLATE INCLUDED)						
DESCRIPTION	WHITE	LT. ALMOND	IVORY			
[A] Wall Jack, 6P4C	40149-00W	40149-00T	40149-00I			
[B] Wall Jack, 6P4C + 6P4C	40144-00W	40144-00T	40144-00I			
[C] Wall Jack, 6P4C + F-connector	40159-00W	40159-00T	40159-00I			
[D] Wall Jack, F-connector	40981-0WD	40981-0TD	40981-0ID			
[E] Wall Jack, F-connector + F-connector	40982-0WD	40982-0TD				
DECORA TELEPHONE & VIDEO INSERTS (WALLPLATE NOT INCLUDED)						
DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK	BROWN
[F] Wall Jack, 6P4C	40649-00W	40649-00T	40649-00I	40649-0GY	40649-00E	40649-000
[G] Wall Jack, 6P4C + 6P4C	40644-00W	40644-00T	40644-00I			
[H] Wall Jack, 6P4C + F-connector	40659-00W	40659-00T	40659-00I			
[I] Wall Jack, F-connector	40681-00W	40681-00T	40681-00I	40681-0GY		40681-00B
[J] Wall Jack, F-connector + F-connector	40682-00W		40682-00I			
DECORA TELEPHONE & VIDEO INSERT KITS (WALLPLATE NOT INCLUDED)						
DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK	
Wall Jack, 6P6C	41638-00W	41638-00T	41638-00I	41638-0GY	41638-00E	
Wall Jack, 6P6C + F-connector	41658-00W	41658-00T	41658-00I			



WALLPLATES & HOUSINGS | Round Telephone Inserts & Surface-Mount Boxes

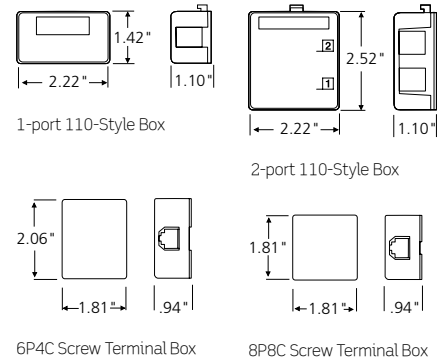
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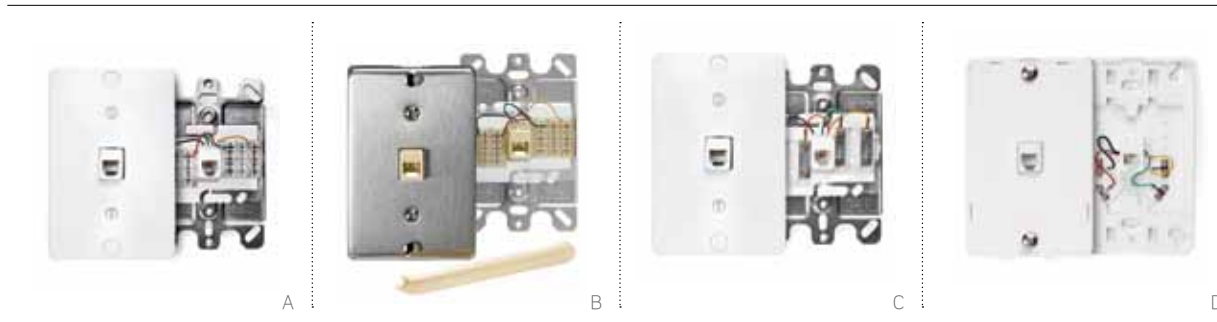
ROUND TELEPHONE INSERTS & SURFACE-MOUNT BOXES

- Round inserts available with screw terminal or 110 terminations
- See page A60 for wallplates with round openings
- Surface-mount kits include 1- or 2-port QuickPort® housing with 6P6C USOC or 8P8C CAT 3 connectors
- Surface-mount boxes feature 4-, 6-, and 8-conductor screw terminal connections
- Shorting bar option for use with monitored home security systems



ROUND TELEPHONE INSERTS			
DESCRIPTION	IVORY		
[A] Round Insert, 6P4C, 110 termination	41054-IDD		
[B] Round Insert, 6P4C, screw terminal	40201-00I		
SURFACE MOUNT TELEPHONE BOXES			
DESCRIPTION	WHITE	LT. ALMOND	IVORY
Surface-Mount Box, 6P4C, screw terminal	4625A-24W	4625A-24T	4625A-24I
Surface-Mount Box, 6P6C, screw terminal	4625A-26W	4625A-26T	4625A-26I
[C] Surface-Mount Box, 8P8C, screw terminal	40278-00W	40278-00T	40278-00I
Surface-Mount Box, 8P8C w/ shorting bar, screw terminal		40278-SBT	40278-SBI
SURFACE MOUNT TELEPHONE BOXES - KITTED			
DESCRIPTION	IVORY		
[D] Surface-Mount Box, 6P6C, 1-port, 110 termination	42036-IDA		
[E] Surface-Mount Box, 6P6C + 6P6C, 2-port, 110 termination	42046-IDA		
Surface-Mount Box, 8P8C, CAT 3, 1-port, 110 termination	42038-IDB		
Surface-Mount Box, 8P8C + 8P8C, CAT 3, 2-port, 110 termination	42048-IDB		

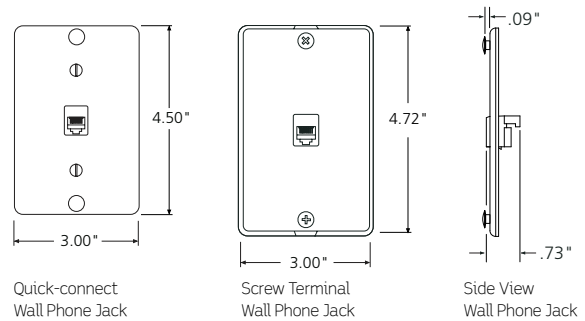
WALLPLATES & HOUSINGS | Telephone Wall Phone Jacks



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TELEPHONE WALL PHONE JACKS

- Wall phone jacks available in 4- or 6-conductor models
- Screw terminal or quick-connect termination options
- Quick-connect products include plastic punchdown tool



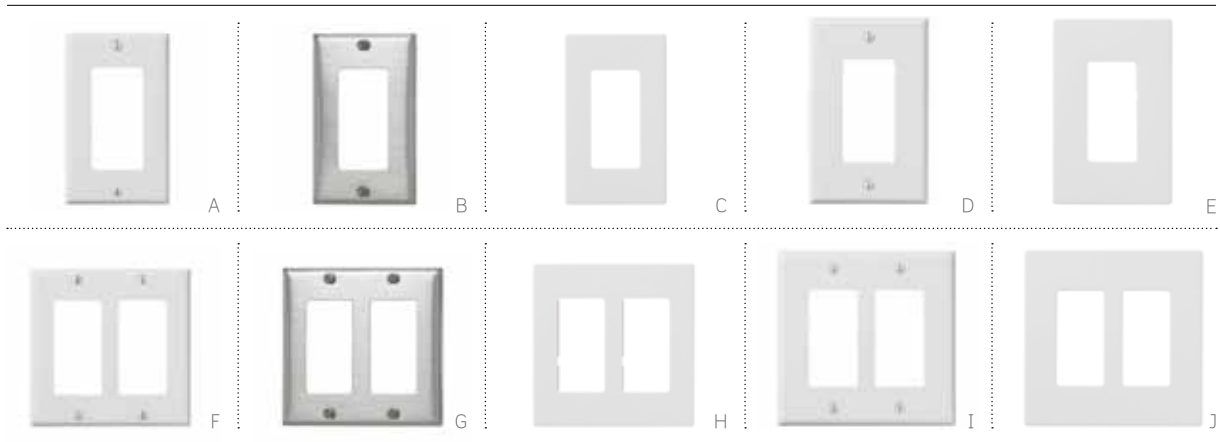
WALL PHONE JACK WALLPLATES - 110-STYLE					
DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	STAINLESS
[A] Wall Phone Jack, 6P4C quick-connect, plastic w/ metal base	40253-00W	40253-00T	40253-00I	40253-00G	
Wall Phone Jack, 6P6C quick-connect, plastic w/ metal base	40263-00W	40263-00T	40263-00I		
[B] Wall Phone Jack, 6P4C quick-connect, stainless w/ metal base					40223-00S
Wall Phone Jack, 6P6C quick-connect, stainless w/ metal base					40226-00S
WALL PHONE JACK WALLPLATES - SCREW TERMINAL					
DESCRIPTION	WHITE	LT. ALMOND	IVORY		
[C] Wall Phone Jack, 6P4C screw terminal, plastic w/ metal base	40257-00W	40257-00T	40257-00I		
[D] Wall Phone Jack, 6P4C screw terminal, plastic w/ plastic base	40214-00W	40214-00T	40214-00I		
Wall Phone Jack, 6P6C screw terminal, plastic w/ plastic base	40216-00W	40216-00T	40216-00I		



WALLPLATES & HOUSINGS | Decora® Wallplates

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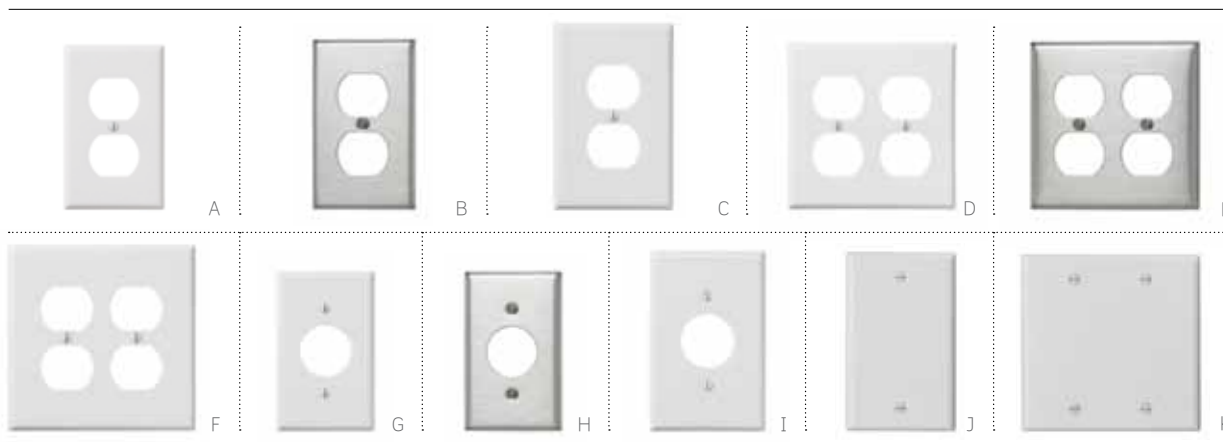
wallplates
 housings



Standard Decora and Decora Plus wallplates accept a variety of inserts for voice, data, and video applications. The most common wallplates are shown here in a variety of materials and dimensions. Refer to page X13 for more detailed material properties. Decora Plus wallplates utilize a screwless design. Numerous additional configurations are available; call 1.800.722.2082 or visit leviton.com for more information.

DECORA SINGLE-GANG WALLPLATES							
DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK	BROWN	STAINLESS
[A] Decora, standard size, urea	80401-00W	80401-00T	80401-00I	80401-0GY	80401-00E	80401-000	
Decora, standard size, nylon	80401-0NW	80401-0NT	80401-0NI	80401-0NGY	80401-0NE	80401-00N	
[B] Decora, standard size, stainless							84401-040
[C] Decora Plus, standard size, polycarbonate	80301-0SW	80301-0NT	80301-0SI	80301-0GY	80301-0SE	80301-00S	
[D] Decora, midsize, urea	80601-00W	80601-00T	80601-00I	80601-0GY	80601-00E	80601-000	
Decora, midsize, nylon	0PJ26-00W	0PJ26-00T	0PJ26-00I	0PJ26-0GY	0PJ26-00E	0PJ26-000	
[E] Decora Plus, midsize, polycarbonate	0SJ26-0SW	0SJ26-0ST	0SJ26-0SI	0SJ26-0GY	0SJ26-0SE	0SJ26-00S	
DECORA DUAL-GANG WALLPLATES							
DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK	BROWN	STAINLESS
[F] Decora, standard size, urea	80409-00W	80409-00T	80409-00I	80409-0GY	80409-00E	80409-000	
Decora, standard size, nylon	80409-0NW	80409-0NT	80409-0NI	80409-0NGY	80409-0NE	80409-00N	
[G] Decora, standard size, stainless							84409-040
[H] Decora Plus, standard size, polycarbonate	80309-0SW	80309-0ST	80309-0SI	80309-0GY	80309-0SE	80309-00S	
[I] Decora, midsize, urea	80609-00W	80309-00T	80609-00I	80609-0GY	80609-00E	80609-000	
Decora, midsize, nylon	PJ262-00W	PJ262-00T	PJ262-00I	PJ262-0GY	PJ262-00E	PJ262-000	
[J] Decora Plus, midsize, polycarbonate	SJ262-0SW	SJ262-0ST	SJ262-0SI	SJ262-0GY	SJ262-0SE	SJ262-00S	

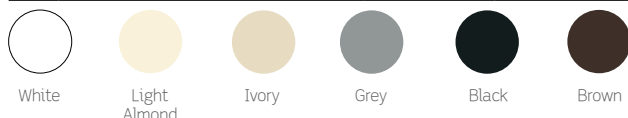
WALLPLATES & HOUSINGS | Duplex, Round Opening & Blank Wallplates



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 housings

Standard duplex receptacle wallplates accept QuickPort® footprint inserts with either two or four openings (see page A47). Round opening wallplates accept 110-style or screw terminal inserts (see page A57). Stainless wallplates are constructed of type 302 stainless steel.

DUPLEX SINGLE-GANG WALLPLATES							
DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK	BROWN	STAINLESS
[A] Duplex, standard size, urea	88003-000	78003-000	86003-000	87003-000		85003-000	
Duplex, standard size, nylon	80703-00W	80703-00T	80703-00I	80703-0GY	80703-00E	80703-000	
[B] Duplex, standard size, stainless							84003-040
[C] Duplex, midsize, urea	80503-00W	80503-00T	80503-00I	80503-0GY	80503-00E	80503-000	
Duplex, midsize, nylon	00PJ8-00W	00PJ8-00T	00PJ8-00I	00PJ8-0GY	00PJ8-00E	00PJ8-000	
DUPLEX DUAL-GANG WALLPLATES							
DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK	BROWN	STAINLESS
[D] Duplex, standard size, urea	88016-000	78016-000	86016-000	87016-000		85016-000	
Duplex, standard size, nylon	80716-00W	80716-00T	80716-00I	80716-0GY	80716-00E	80716-000	
[E] Duplex, standard size, stainless							84016-040
[F] Duplex, midsize, urea	80516-00W	80516-00T	80516-00I	80516-0GY	80516-00E	80516-000	
Duplex, midsize, nylon	0PJ82-00W	0PJ82-00T	0PJ82-00I	0PJ82-0GY	0PJ82-00E	0PJ82-000	
ROUND OPENING SINGLE-GANG WALLPLATES							
DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK	BROWN	STAINLESS
[G] Round Opening, standard size, urea	88004-000	78804-000	86004-000			85004-000	
Round Opening, standard size, nylon	80704-00W	80704-00T	80704-00I	80704-0GY	80704-00E	80704-000	
[H] Round Opening, standard size, stainless							84004-040
[I] Round Opening, midsize, urea	80504-00W	80504-00T	80504-00I			80504-000	
Round Opening, midsize, nylon	00PJ7-00W	00PJ7-00T	00PJ7-00I				
SINGLE AND DUAL-GANG BLANK WALLPLATES							
DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK	BROWN	STAINLESS
[J] Single-Gang Blank Wallplate	88014-000	78014-000	86014-000	87014-000		85014-000	84014-040
[K] Dual-Gang Blank Wallplate	88025-000	78025-000	86025-000	87025-000		85025-000	84025-040



UTP SECURITY



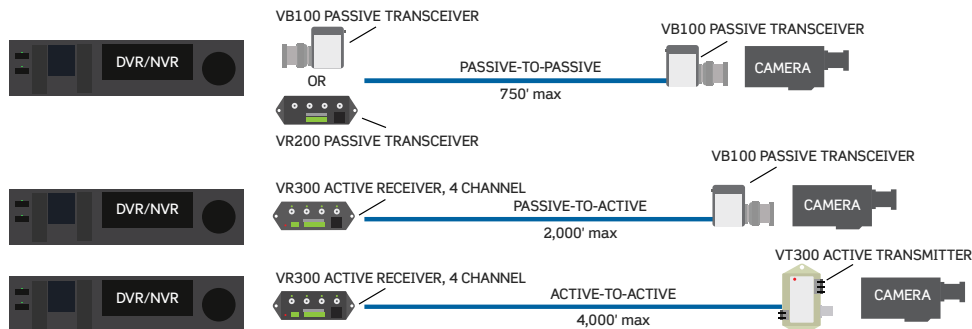
FEATURED PRODUCTS

Passive Video Transceivers **A63**

Video, Power, and Data Transceivers **A64**

Connect analog security cameras and recording equipment over the same UTP cabling used for voice and data networks with the Leviton suite of UTP security solutions. The suite includes connectivity equipment to support video transmission over a standardized structured cabling system, using local or centralized power. Choose from a wide selection of transceivers, receivers, and signal integrators with 1, 4, 8, or 16 channels.

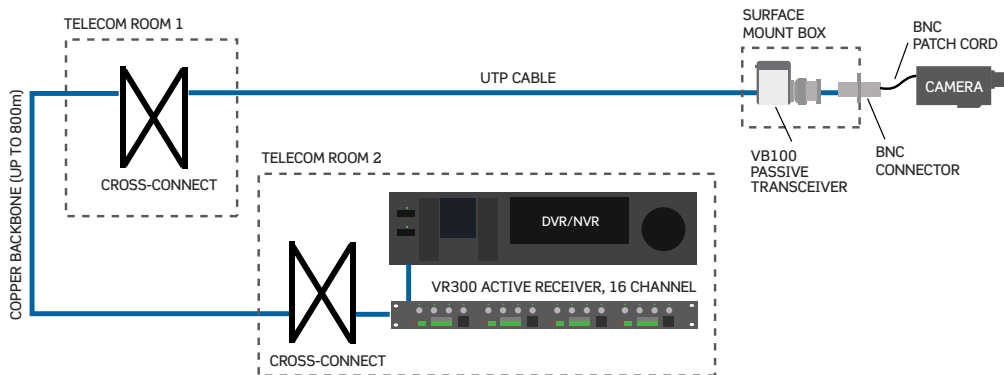
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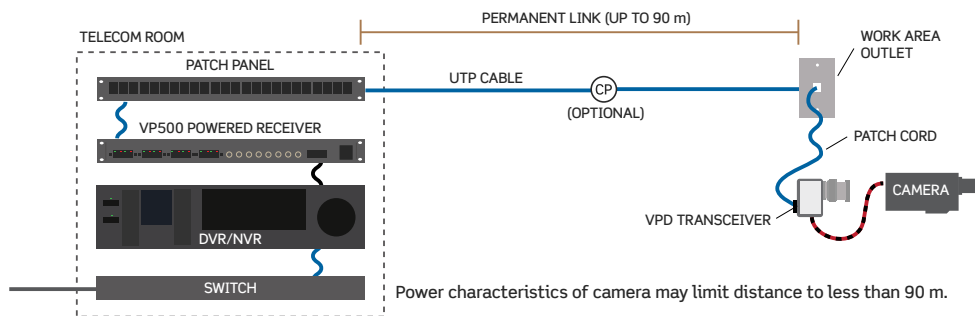
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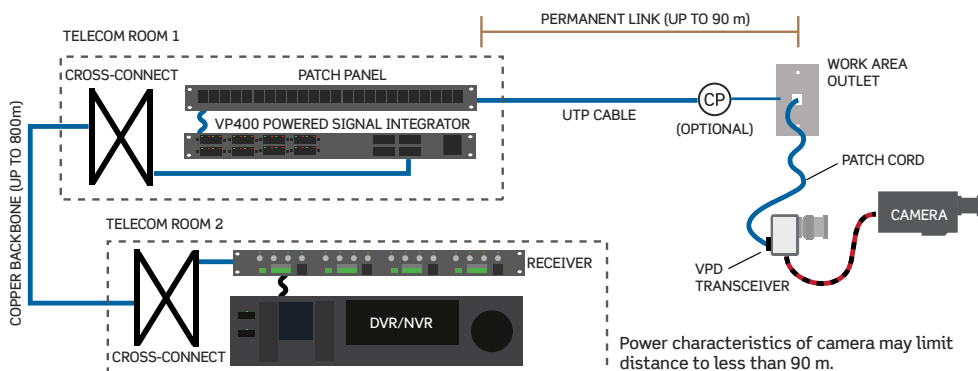
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VIDEO, POWER & DATA



EXTENDED DISTANCE VIDEO, POWER & DATA



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PASSIVE VIDEO TRANSCEIVER BALUNS

- IDC terminations for secure connections to solid-conductor UTP cable
- Transmit and receive video up to 750 feet (229 m)
- Transmit up to 2,000 feet (609 m) when combined with an active receiver
- Compact footprint for ease of installation
- VB100 model includes differential surge suppression to protect against damaging voltage spikes through cabling

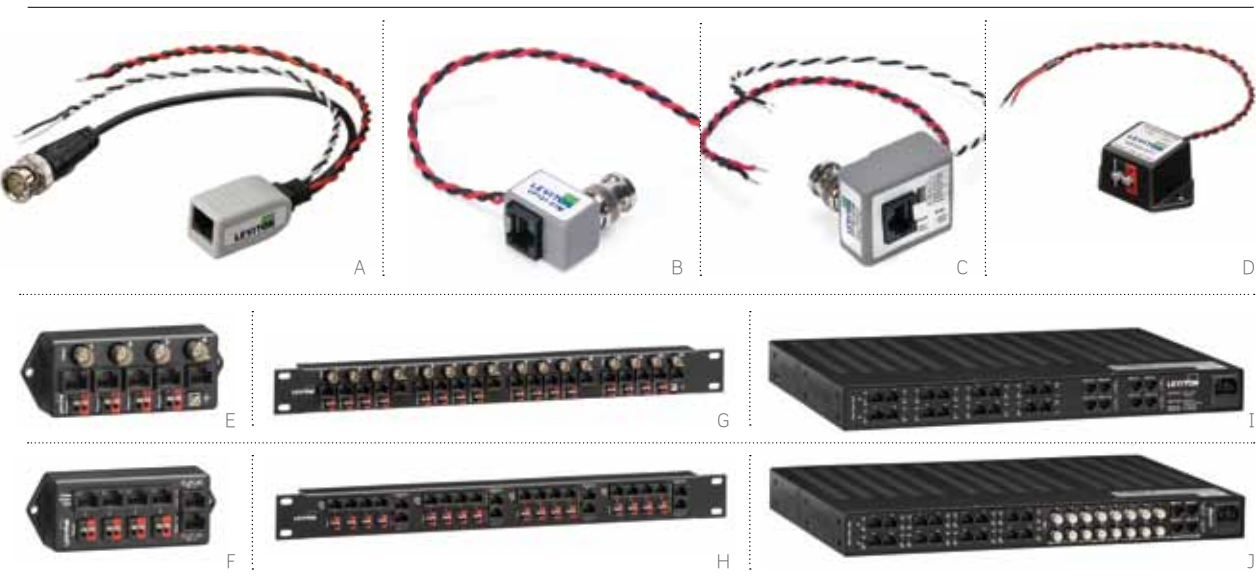
PASSIVE VIDEO TRANSCEIVER HUB

- UTP connection via IDC termination block, screw terminal block, or RJ-45
- Both IDC and screw-terminal connector included with all models
- 8- and 16-channel models are standard 19" rack-mount
- Surge suppression included

ACTIVE VIDEO TRANSMITTER, RECEIVER & HUB

- UTP connection via IDC termination block, screw-terminal block, or RJ-45 (multi-channel products only)
- Automatic gain control for ease of installation
- Active receiver boosts passive transceiver signal to achieve distances of up to 2,000 feet (609 m)
- Pair an active receiver with an active transmitter for signal transmission up to 4,000 feet (1218 m)
- Surge suppression included with all active products
- Both IDC and screw-terminal connector included with all multi-channel models
- 8- and 16- channel models are standard 19" rack-mount

PASSIVE BALUNS				
DESCRIPTION	1 CHANNEL	4 CHANNELS	8 CHANNELS	16 CHANNELS
Passive Video Transceiver Balun	[A] VB050-01M			
Passive Video Transceiver Balun, surge protection	[B] VB100-01M			
PASSIVE HUBS				
Passive Video Transceiver Hub		[C] VR200-04F	[D] VR200-08F	[E] VR200-16F
ACTIVE VIDEO TRANSMITTER, RECEIVER & HUB				
DESCRIPTION	1 CHANNEL	4 CHANNELS	8 CHANNELS	16 CHANNELS
Active Video Transmitter	[F] VT300-01F			
Active Video Receiver	[G] VR300-01F			
Active Video Receiver Hub		VR300-04F	VR300-08F	VR300-16F



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VIDEO, POWER, & DATA TRANSCEIVERS & VOLTAGE REGULATOR

- Utilize standard structured cabling horizontal links from telecom room to camera
- Centralized power for cameras
- Transmit and receive video up to 750 feet (229 m) with Video, Power, and Data Passive Transceivers
- Transmit video up to 2,000 feet (609 m) when combined with an active receiver and signal integrator
- VP102-01M and VS100-01T convert 24V AC/DC to 12VDC @ 600 mA
- Differential surge suppression included to protect against damaging voltage spikes through cabling

VIDEO, POWER, & DATA HUBS

- Utilize standard structured cabling horizontal links from telecom room to camera
- Receive video up to 750 feet (229 m) with Video, Power, and Data Passive Transceiver
- Combine signal integrator with an active receiver for video distances up to 2,000 feet (609 m)
- Signal integrators inject 24 or 28VAC along a cable run between telecom room and camera
- Transmit all signals on a single 4-pair UTP cable between signal integrator and camera
- Powered units accept 110/220V in, and provide 24 or 28VAC out to camera

VIDEO, POWER, & DATA TRANSCEIVERS & VOLTAGE REGULATOR			
DESCRIPTION	PART NO.		
Video, Power & Data Passive Transceiver (pigtail design)	[A]	VP100-01M	
Video & Power Passive Transceiver (compact design)	[B]	VP101-01M	
Video, Power & Data Passive Transceiver, 12VDC converter	[C]	VP102-01M	
Voltage Regulator, 24V AC/DC to 12VDC	[D]	VS100-01T	
VIDEO, POWER, & DATA HUBS			
DESCRIPTION	4 CHANNELS	8 CHANNELS	16 CHANNELS
Video, Power & Data Passive Receiver Hub	[E] VP200-04J		[G] VP200-16J
Video, Power & Data Signal Integrator Hub	[F] VP300-04J		[H] VP300-16J
Powered Video, Power & Data Signal Integrator Hub		VP400-08J	[I] VP400-16J
Powered Video, Power & Data Passive Receiver Hub		VP500-08J	[J] VP500-16J

COPPER TOOLS

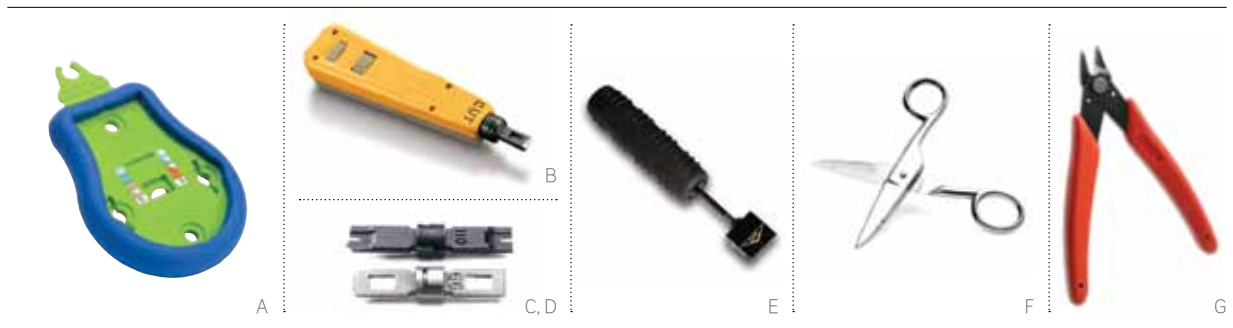


FEATURED PRODUCTS

Palm Termination Tool **A66**

Wire Punchdown Termination Tool **A66**

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



COPPER
tools

PALM TERMINATION TOOL

- Overmolded ergonomic soft grip
- Easy-to-see wiring labels
- Connector holders provide stability for punchdown
- Incorporated retainer supports cable during termination
- Integrated holes allow rack-mounting of the Palm Tool for patch panel terminations
- Compatible with all Leviton CAT 6A/6/5e and A/V connectors

MULTI-PAIR TERMINATION TOOL

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

WIRE PUNCHDOWN TERMINATION TOOL

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

CUTTING TOOLS

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

TERMINATION TOOLS & BLADES

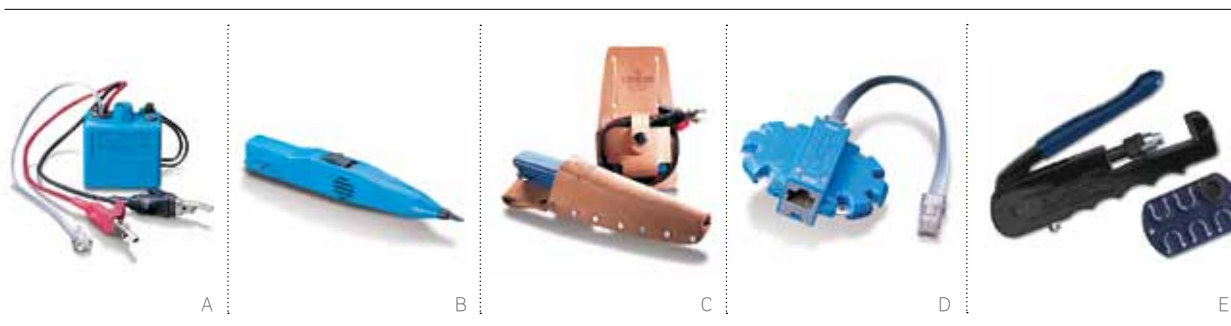
DESCRIPTION	PART NO.
[A] Palm Termination Tool	47615-PTT
[B] Wire Punchdown/Termination Tool (blades sold separately)	49553-814
[C] 110 IDC Blade	49553-110
[D] 66 IDC Blade	49553-066

MULTI-PAIR TERMINATION TOOLS & ACCESSORIES

DESCRIPTION	PART NO.
[E] 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

DESCRIPTION	PART NO.
[F] Klein Tools Electrician's Scissors	49886-SIS
[G] Klein Tools Flush Cutter	49886-FCS



TONE TEST SET

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

INDUCTIVE SPEAKER PROBE

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

MODULAR PLUG BREAK-OUT ADAPTER

- For testing any 6- or 8-position modular jacks
- Works with the Tone Test Set

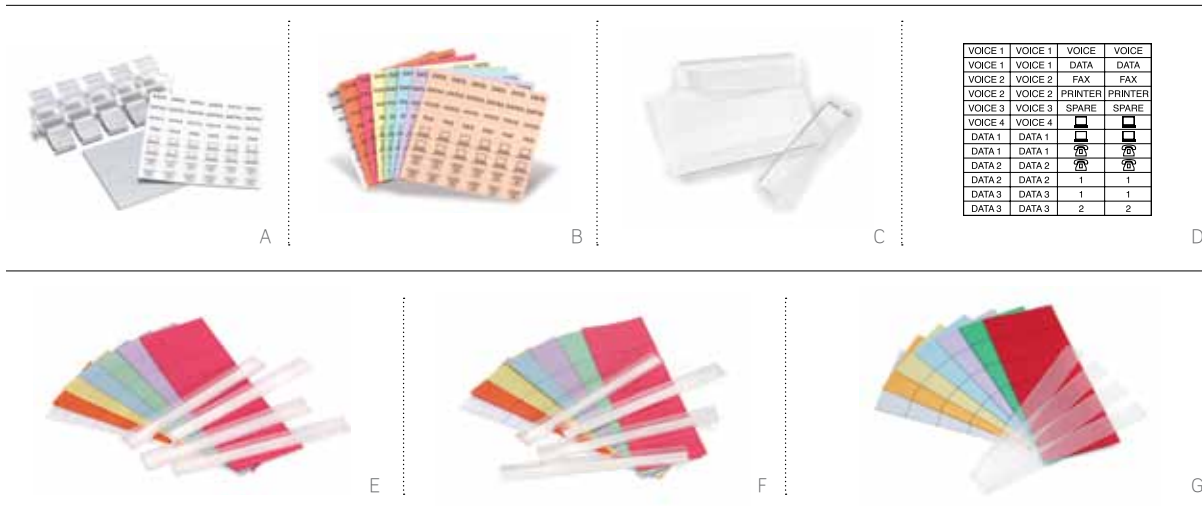
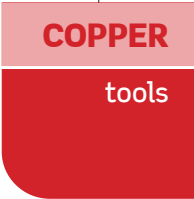
COAXIAL CONNECTOR TOOLS

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

MASTER COMPRESSION TOOL

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

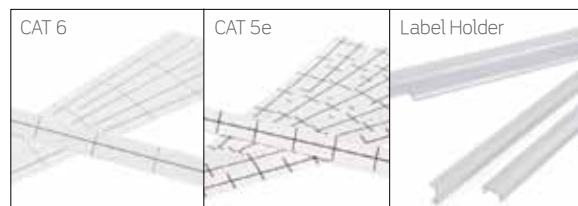
TONE TEST SET, INDUCTIVE SPEAKER PROBE & KITS	
DESCRIPTION	PART NO.
[A] Tone Test Set (includes 9-volt battery)	49560-TTS
[B] Inductive Speaker Probe (includes 9-volt battery, one duckbill tip, and one needlepoint tip)	49561-SSP
[C] Kit containing one Tone Test Set with Belt Holster, and one Inductive Speaker Probe with Belt Holster	49562-TSK
MODULAR PLUG BREAKOUT ADAPTER	
DESCRIPTION	PART NO.
[D] Modular Plug Breakout Adapter	40070-MDP
COAXIAL CONNECTOR TOOLS	
DESCRIPTION	PART NO.
Crimping Tool for Coaxial Connectors	40988-000
[E] Master Compression Tool	40989-CPT



VOICE 1	VOICE 1	VOICE	VOICE
VOICE 1	VOICE 1	DATA	DATA
VOICE 2	VOICE 2	FAX	FAX
VOICE 3	VOICE 3	PRINTER	PRINTER
VOICE 4	VOICE 4	SPARE	SPARE
DATA 1	DATA 1	1	1
DATA 1	DATA 1	2	2
DATA 2	DATA 2	1	1
DATA 2	DATA 2	2	2
DATA 3	DATA 3	1	1
DATA 3	DATA 3	2	2

WORK AREA LABELING SOLUTIONS		
DESCRIPTION		PART NO.
[A] QuickPort® Shutter Kit (50 shutters)		51084-ICN
White Label Kit		51084-XLB
[B] Color Label Kit includes grey, orange, red, yellow, green, blue, purple, and brown (2 sheets of each color)		51084-CLB
[C] Labels & Windows for Wallplates & Housings		41080-IDW
Pre-printed Port Labels, white ink, 10 sheets per package		41080-LWB
[D] Pre-printed Port Labels, black ink, 10 sheets per package		41080-LEB
PATCH PANEL LABELING SOLUTIONS		
DESCRIPTION		PART NO.
[E] Adhesive Holder and Labels Kit for QuickPort Panels		49257-QHD
[F] Adhesive Holder and Labels Kit for 110-Style Panels		49257-I24
[G] Designation Kit Replacement for 110-Style Panels		69585-IDL

110-STYLE LABELING SOLUTIONS	
DESCRIPTION	PART NO.
CAT 6 Label Kit, 6/kit	41LBL-60W
CAT 5e Label Kit, 6/kit	41LBL-00W
Label Holder, 6/kit	41100-HDL



SPOTLIGHT Leviton Palm Termination Tool



Use Leviton's Palm Termination Tool to quickly and easily punch down connectors at the jobsite. The Palm Tool was designed with contractor input and offers an ergonomic comfort grip, increased connector stability, and integrated holes that allow rack mounting for QuickPort panel terminations. The Palm Tool is compatible with all CAT 6A/6/5e and standard QuickPort A/V connectors.

COPPER CABLES



Leviton's high-performance copper cables, including eXtreme®CAT-6A, eXtreme 6+, GigaMax®5e, and many more options are designed to deliver the best category-rated performance in the industry in unshielded or shielded.

CABLES | CAT 7A S/FTP LSZH-FR 4-pair Solid LAN Cable

PART NUMBERS

DESCRIPTION	PART NO.
CAT7A S/FTP LSZH-FR 4-pair Solid LAN Cable	SFT7Z-5*S

* = Color for jacket: (W) White, (L) Blue, (S) Gray
 Note: All packaging is 500 meters (1,640 ft.) spool

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APPLICATIONS

IEEE 802.3: 10G Ethernet; 1000Base-T; 100Base-T; 10Base-T, IEEE 802.5

STANDARDS COMPLIANCE

ISO/IEC 11801 Class EA

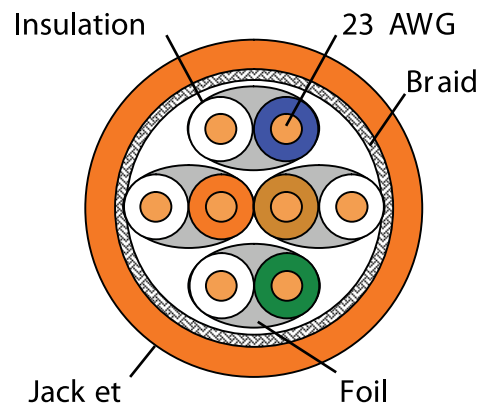
IEC 61156-5

EN50173-1

RoHS Compliant

FIRE RATING

IEC 60332-1; IEC 60332-3-24; IEC 60754-2; IEC 61034



CONSTRUCTION

Conductor	Bare copper wire	23 AWG
Insulation	Polyethylene	1.4 mm
Twisting	4 twisted pairs, 2 single conductors paired Twisted pair color code: 1: Blue+White/Blue 2: Orange+White/Orange 3: Green+White/Green 4: Brown+White/Brown	
Cable lay-up	4 pairs with different pitches	
Outer jacket	SFT7Z-5*S: LSZH-FR	
Outer diameter	7.8 mm	
Shielding	Individual 4-pair foiled surrounded by a braid	

CABLES | CAT7A S/FTP LSZH-FR 4-pair Solid LAN Cable

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MECHANICAL PROPERTIES

Bending Radius	4 X D
Temperature range	during operation: -20° C ~ 60° C during installation: 0° C ~ 50° C

ELECTRICAL PROPERTIES (-20 °C ± 5 °C)

Mutual capacitance	43 nF/km at 800 Hz nom
DC resistance max.	5 Ohms/100 m at max.
Velocity of Propagation	76% nominal

TECHNICAL DATA - ELECTRICAL

Freq.	RL	IL	NEXT	PSNEXT	ACRF	PS-ACRF	PS-ANEXT
MHz	DB MIN.	DB MAX.	DB MIN.	DB MIN.	DB MIN.	DB MIN.	DB MIN.
1	22.0	1.80	100	97.0	98.0	105	103
4	25.0	3.40	100	97.0	97.0	93.0	91.0
10	27.0	5.40	100	97.0	95.0	85.0	83.0
16	27.0	6.80	100	97.0	93.0	81.0	79.0
31.2	26.0	9.60	100	97.0	90.0	75.0	77.0
62.5	24.0	13.7	100	97.0	86.0	69.0	67.0
100	22.0	17.4	100	97.0	83.0	65.0	63.0
250	19.0	28.1	90.0	87.0	62.0	57.0	55.0
450	19.0	37.4	87.0	84.0	50.0	52.0	50.0
600	19.0	44.8	85.0	82.0	40.0	49.0	47.0
750	19.0	50.5	83.0	80.0	32.0	59.0	56.0
1000	19.0	58.5	82.0	79.0	24.0	57.0	54.0
1200	17.0	63.4	81.0	78.0	19.0	52.0	49.0

CABLES | eXtreme® Category 6A U/UTP LSZH 4-pair Solid LAN Cable

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PART NUMBERS

DESCRIPTION	PART NO.
eXtreme CAT 6A U/UTP LSZH 4-pair Solid LAN Cable	UTCAZ-M*S

APPLICATIONS

IEEE 802.3: 10G Ethernet; 1000Base-T; 100Base-T; 10Base-T

STANDARDS COMPLIANCE

EIA/TIA 568-C.2 CAT 6A

ISO/IEC 11801 Class EAIEC 61156-5

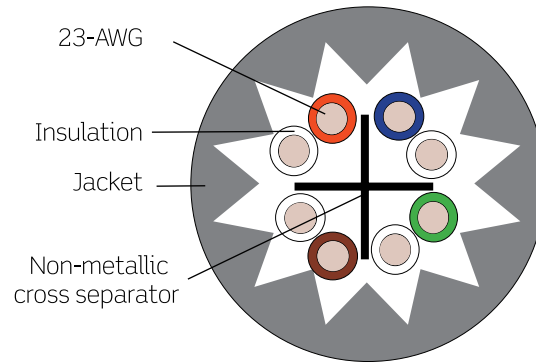
EN50173

RoHS Compliant

FIRE RATING

IEC 60332-1 (vertical flame test)

UL1581 FT2 (horizontal flame test)



CONSTRUCTION

Conductor	Bare copper wire	AWG 23
Insulation	Polyethylene	1.19 mm
Twisting	4 twisted pairs, 2 single conductors paired Twisted pair color code: 1: Blue+White/Blue 2: Orange+White/Orange 3: Green+White/Green 4: Brown+White/Brown	
Cable lay-up	4 pairs with different pitches	
Outer jacket	UTCAZ-M*S: LSZH	
Outer diameter	8.2 mm (0.32")	

MECHANICAL PROPERTIES

Bending Radius	> 4xOD (without load)
Temperature range	during operation: -20° C ~ 75° C during installation: 0° C ~ 60° C

ELECTRICAL PROPERTIES (-20 °C ± 5 °C)

Mutual capacitance	5.1 nF/100m at 1kHz m nom.
Capacitance P-G	330 nF/100 m nom.
DC resistance max.	8.9 Ohms/100 m at max.
DC unbalance max.	3%
Skew	45 ns/100 m max.
Pair to ground unbalance	330 pF/100 m max.
Velocity of Propagation	69% nom.

TECHNICAL DATA - ELECTRICAL

Freq.	RL	IL	NEXT	PSNEXT	ACRF	PS-ACRF	PS-ANEXT	PS-AACRF
MHz	DB MIN.	DB MAX.	DB MIN.	DB MIN.	DB MIN.	DB MIN.	DB MIN.	DB MIN.
1	20.0	2.1	74.3	72.3	67.8	64.8	67.0	67.0
4	23.0	3.8	65.3	63.3	55.8	52.8	67.0	66.2
10	25.0	5.9	59.3	57.3	47.8	44.8	67.0	58.2
16	25.0	7.5	56.2	54.2	43.7	40.7	67.0	54.1
31.25	23.6	10.5	51.9	49.9	37.9	34.9	67.0	48.3
62.5	21.5	15.0	47.4	45.4	31.9	28.9	56.6	42.3
100	20.1	19.1	44.3	42.3	27.8	24.8	62.5	32.2
250	17.3	31.1	38.3	36.3	19.8	16.8	58.0	30.2
400	15.9	40.1	35.3	33.3	15.8	12.8	53.5	26.2
500	15.2	45.3	33.8	31.8	13.8	10.8	52.0	24.2

CABLES | eXtreme® Category 6A S/FTP LSZH 4-pair Solid LAN Cable

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PART NUMBERS	
DESCRIPTION	PART NO.
eXtreme CAT 6A S/FTP LSZH 4-pair Solid LAN Cable	SFTAZ-5*S

* Color for jacket: (W) White, (S) Grey, (L) Blue
Note: All packaging is 500 meters (1,640 ft.) Spool

APPLICATIONS

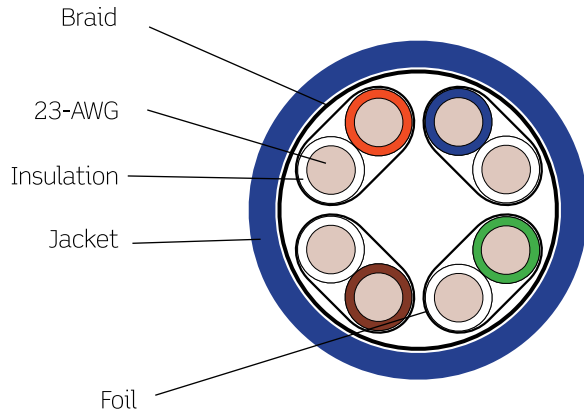
IEEE 802.3: 10G Ethernet; 1000Base-T; 100Base-T; 10Base-T

STANDARDS COMPLIANCE

EIA/TIA 568-C.2 CAT 6A
ISO/IEC 11801 Class EAIEC 61156-5
EN50173
RoHS Compliant

FIRE RATING

IEC 60332-1 (vertical flame test)
UL1581 FT2 (horizontal flame test)



CONSTRUCTION		
Conductor	Bare copper wire	23 AWG
Insulation	Polyethylene	1.42 mm
Twisting	4 twisted pairs, 2 single conductors paired Twisted pair color code: 1: Blue+White 2: Orange+White 3: Green+White 4: Brown+White	
Cable lay-up	4 pairs with different pitches	
Outer jacket	SFTAZ-5*S: LSZH	
Outer diameter	6.9 mm (0.275")	
Shielding	Individual 4-pair foiled surrounded by a braid	

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MECHANICAL PROPERTIES

Bending Radius	31.0 mm
Temperature range	during operation: -20° C ~ 60° C during installation: 0° C ~ 60° C

ELECTRICAL PROPERTIES (-20 °C ± 5 °C)

Mutual capacitance	45 nF/100 m at 1kHz m nom.
DC resistance max.	9.38 Ohms/100 m at max.
Velocity of Propagation	80% nominal

TECHNICAL DATA - ELECTRICAL

Freq.	RL	IL	NEXT	PSNEXT	ACRF	ELFEXT	PS-ELFEXT
MHz	DB MIN.	DB MAX.	DB MIN.	DB MIN.	DB MIN.	DB MIN.	DB MIN.
1	20.5	20.0	83.0	80.0	81.0	78.0	75.0
4	23.5	3.7	83.0	80.0	79.3	78.0	75.0
10	25.5	5.9	83.0	80.0	77.1	74.0	71.0
16	25.5	7.4	83.0	80.0	75.6	69.9	66.9
31.25	24.1	10.4	83.0	80.0	76.6	64.1	61.1
62.5	22.0	14.9	80.5	77.5	65.5	58.1	55.1
100	20.6	19.0	77.4	74.5	58.4	54.0	51.0
250	17.8	31.0	71.4	68.4	40.5	46.0	43.0
500	17.8	45.3	69.9	63.9	21.7	40.0	37.0
600	17.8	50.1	65.7	62.7	15.6	38.4	35.4

CABLES | eXtreme® Category 6+ U/UTP 4-pair Solid LAN Cable

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PART NUMBERS	
DESCRIPTION	PART NO.
[A] eXtreme CAT 6+ U/UTP 4-pair Solid LAN Cable	UTP6N-M*x
[B] eXtreme CAT 6+ U/UTP CM 4-pair Solid LAN Cable	UTP6M-M*x
[C] eXtreme CAT 6+ U/UTP CMR 4-pair Solid LAN Cable	UTP6R-M*x
[D] eXtreme CAT 6+ U/UTP LSZH 4-pair Solid LAN Cable	UTP6Z-M*x
[E] eXtreme CAT 6+ U/UTP CMP 4-pair Solid LAN Cable	UTP6P-M*x

* Color for jacket: (E) Black, (W) White, (S) Grey, (G) Green, (L) Blue, (Y) Yellow, (O) Orange, (P) Purple, (C) Red
 x = Packaging: (B) Pull Box; (S) Reel
 Note: All packaging is 305 meters (1,000 ft.)

APPLICATION

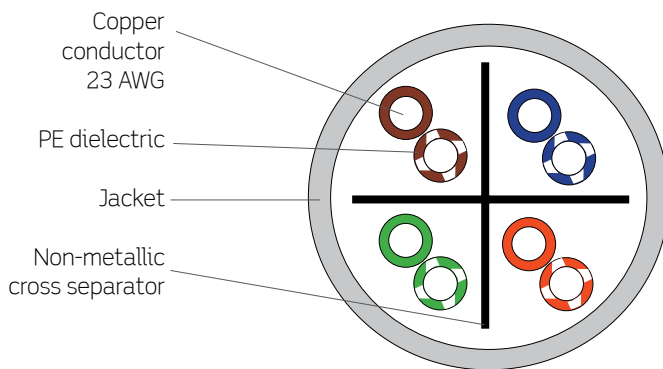
IEEE 802.3: Gigabit Ethernet; 1000Base-T; 100Base-T; 10Base-T

STANDARDS COMPLIANCE

EIA/TIA 568-C.2 - CAT 6
 ISO/IEC 11801 Class E
 IEC 61156-5
 EN50173
 RoHS Compliant

FIRE RATING

UTP6R-M*x: IEC 60332-1 (vertical flame test)
 UL1581 FT2 (horizontal flame test)
 UL1666
 UTP6N-M*x: IEC 60332-1 (vertical flame test)
 UL1581 FT2 (horizontal flame test)
 UTP6M-M*x: IEC 60332-1 (vertical flame test)
 UL1581 FT2 (horizontal flame test)
 UL 444 CM
 UTP6Z-M*x: IEC 60332-1 (vertical flame test)
 UL1581 FT2 (horizontal flame test)
 UTP6P-M*x: IEC 60332-1 (vertical flame test)
 UL910 FT2 & NEPA 262 Plenum



CONSTRUCTION					
Conductor	Bare copper wire		23 AWG		
Insulation	Polyethylene		Ø 0.90 mm		
Twisting	4 twisted pairs, 2 single conductors paired Twisted pair color code: 1: Blue+White/Blue 2: Orange+White/Orange 3: Green+White/Green 4: Brown+White/Brown				
Cable lay-up	4 pairs with different pitches				
Outer jacket	UTP6R-M*x: CMR	UTP6N-M*x: PVC (lead free)	UTP6M-M*x:CM	UTP6Z-M*x:LSZH	UTP6P-M*x:CMP
Outer diameter	Ø 5.7 mm ± 0.2 mm (.224")				

CABLES | eXtreme® Category 6+ U/UTP 4-pair Solid LAN Cable

MECHANICAL PROPERTIES

Bending Radius	>4xOD (without load)
Temperature range	during operation: -20° C ~ 75° C during installation 0° C ~ 60° C

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ELECTRICAL PROPERTIES (-20 °C ± 5 °C)

DC resistance	Max. 8.9Ω/100m at 20° C
Resistance unbalance	Max. 2% at 20° C
Insulation resistance (500V)	Min. 5000 MΩ/Km at 20° C
Mutual capacitance	Nom. 4.6 nf/100m at 1kHz
Capacitance unbalance (pair to ground)	Max. 50 pf/100m at 1kHz
Characteristic impedance (1 - 250MHz)	(100±15) Ω
Nominal velocity of propagation	69% (Non-Plenum, 72% Plenum)
Test voltage (DC, 1 min.)	1 kV/1 min.

TRANSMISSION CHARACTERISTICS ACC. TIA 568-C.2 CAT 6E AND IEC 61156-5 (AT 20° C)

Freq. (MHz)	IMPEDANCE W	ATTENUATION	NEXT	PS-NEXT	ACR	PSACR	ELFEXT	PSELFEXT	RETURN	PROPAGATION	DELAY
		(DB) MAX	(DB) MIN	(DB) MIN	(DB) MIN	(DB) MIN	(DB) MIN	(DB) MIN	LOSS (DB) MIN	DELAY (NS) MAX	SKEW (NS) MAX
1	100 ± 15	2.0	74.3	72.3	72.3	70.3	67.8	64.8	20.0	570.0	35
4		3.8	65.3	63.3	61.5	59.5	55.8	52.8	23.0	552.0	
8		5.3	60.8	58.8	55.5	53.5	49.7	46.7	24.5	546.7	
10		6.0	59.3	57.3	53.3	51.3	47.8	44.8	25.0	545.4	
16		7.6	56.3	54.3	48.7	46.7	43.7	40.7	25.0	543.0	
20		8.5	54.8	52.8	46.3	44.3	41.8	38.8	25.0	542.1	
25		9.5	53.4	51.4	43.9	41.9	39.8	36.8	24.3	541.2	
31.25		10.7	51.9	49.9	41.2	39.2	37.9	34.9	23.6	540.4	
62.5		15.4	47.4	45.4	32.0	31.0	31.9	28.9	21.5	535.9	
100		19.8	44.3	42.3	24.5	22.5	27.8	24.8	20.1	537.6	
200		29.0	39.8	37.8	10.8	8.8	21.8	18.8	18.0	536.6	
250		32.8	38.4	36.4	5.6	3.6	19.8	16.8	17.3	536.3	



CABLES | eXtreme® Category 6 F/UTP 4-pair Solid LAN Cable

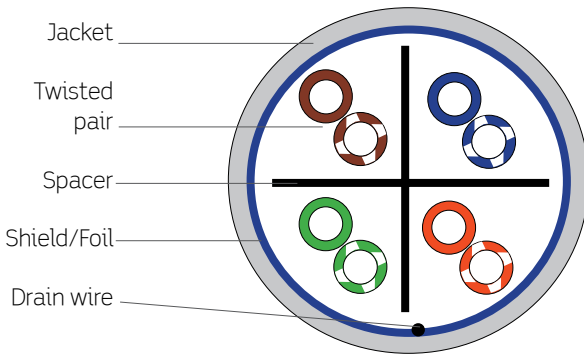
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PART NUMBERS		
DESCRIPTION	PART NO.	
[A] eXtreme CAT 6 F/UTP solid cable	FTP6N-M*x	
[B] eXtreme CAT 6 F/UTP solid cable, CM	FTP6M-M*x	
[C] eXtreme CAT 6 F/UTP solid cable, CMR	FTP6R-M*x	
[B] eXtreme CAT 6 F/UTP solid cable, LSZH	FTP6Z-M*x	

* Color for jacket: (E) Black, (W) White, (S) Grey, (G) Green, (L) Blue, (Y) Yellow, (O) Orange, (P) Purple, (C) Red
 x = Packaging: (B) Pull Box; (S) Reel
 Note: All packaging is 305 meters (1,000 ft.)

APPLICATIONS

IEEE 802.3: Gigabit Ethernet; 100Base-T; 10Base-T



STANDARDS COMPLIANCE

EIA/TIA 568-C.2 - CAT 6
 IEC 61156-5
 ISO/IEC 11801 - Class E
 EN50173
 RoHS compliant

FIRE RATING

- ETL Listed
- FTP6N-M*x: PVC
- FTP6M-M*x: CM
- FTP6R-M*x: Riser, CMR
- FTP6Z-M*x: Low Smoke, Zero Halogen

CONSTRUCTION				
Conductor	Bare copper wire			AWG 23
Insulation	Polyethylene			Ø 1.15 mm
Twisting	4 twisted pairs, 2 single conductors paired Twisted pair color code: 1: Blue/White Blue 2: Orange/White Orange 3: Green/White Green 4: Brown/White Brown			
Cable lay-up	4 pairs with different pitches			
Shielding	1. Mylar tape as buffer layer. 2. Mylar tape laminated with aluminum foil as shield, with foil facing inward. 3. Drain wire (24 AWG) placed between Mylar tape and aluminum-foil-laminated Mylar tape.			
Outer jacket	FTP6N-M*x: PVC	FTP6M-M*x: CM	FTP6R-M*x: CMR	FTP6Z-M*x:LSZH
Outer diameter	Ø 6.2 mm ± 0.2 mm (0.244")			

CABLES | eXtreme® Category 6 F/UTP 4-pair Solid LAN Cable

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MECHANICAL PROPERTIES

Bending Radius	> 30 MM WITHOUT LOAD > 60 MM WITH LOAD
Temperature range	during operation: -20° C ~ 60° C during installation 0° C ~ 60° C

ELECTRICAL PROPERTIES (-20 °C ± 5 °C)

DC resistance	Max. 8.2Ω/100 m at 20° C
Resistance unbalance	Max. 2% at 20° C
Insulation resistance (500V)	Min. 5000 MΩ/Km at 20° C
Mutual capacitance	Nom. 5.1 nf/100 m at 1kHz
Capacitance unbalance (pair to ground)	Max. 160 pf/100 m at 1kHz
Characteristic impedance (1-250 MHz)	(100±15) Ω
Nominal velocity of propagation	67%

TRANSMISSION CHARACTERISTICS ACC. TIA 568-C.2 CAT 6E AND IEC 61156-5 (AT 20° C)

Freq. (MHz)	IMPEDANCE W	ATTENUATION (DB) MAX	NEXT (DB) MIN	PS-NEXT (DB) MIN	ACR (DB) MIN	PSACR (DB) MIN	ELFEXT (DB) MIN	PSELFEXT (DB) MIN	RETURN LOSS (DB) MIN	PROPAGATION DELAY (NS) MAX	DELAY SKEW (NS) MAX
1	100 ± 15	2.1	74.3	72.3	72.3	70.3	67.8	64.8	20.0	570.0	45
4		3.8	65.3	63.3	61.5	59.5	55.8	52.8	23.0	552.0	
8		5.3	60.8	58.8	55.5	53.5	49.7	46.7	24.5	546.7	
10		6.0	59.3	57.3	53.3	51.3	47.8	44.8	25.0	545.4	
16		7.6	56.3	54.3	48.7	46.7	43.7	40.7	25.0	543.0	
20		8.5	54.8	52.8	46.3	44.3	41.8	38.8	25.0	542.1	
25		9.5	53.4	51.4	43.9	41.9	39.8	36.8	24.3	541.2	
31.25		10.8	51.9	49.9	41.2	39.2	37.9	34.9	23.6	540.4	
62.5		15.5	47.4	45.4	32.0	31.0	31.9	28.9	21.5	535.9	
100		19.9	44.3	42.3	24.5	22.5	27.8	24.8	20.1	537.6	
200		29.2	39.8	37.8	10.8	8.8	21.8	18.8	18.0	536.6	
250		33.0	38.4	36.4	5.6	3.6	19.8	16.8	17.3	536.3	

CABLES | GigaMax® Category 5e UTP 4-pair Solid LAN Cable

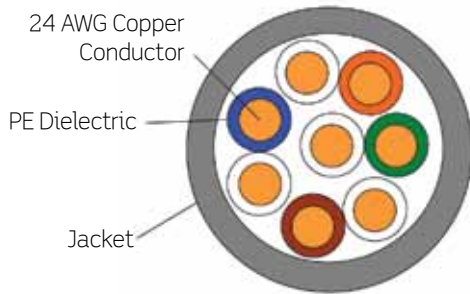
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PART NUMBERS		
DESCRIPTION	PART NO.	
[A] GigaMax® CAT 5e UTP 4-pair Solid LAN Cable	UTP5N-M*x	
[B] GigaMax CAT 5e CM UTP 4-pair Solid LAN Cable	UTP5M-M*x	
[C] GigaMax CAT 5e LSZH UTP 4-pair Solid LAN Cable	UTP5Z-M*x	

* = Color for jacket: (E) Black, (W) White, (S) Grey, (G) Green, (L) Blue, (Y) Yellow, (O) Orange, (P) Purple, (C) Red
 x = Packaging: (B) Pull Box; (S) Reel
 Note: All packaging is 305 meters (1,000 ft.)

APPLICATION

Primary (Campus), Secondary (Horizontal) IEEE 802.3:
 10Base-T; 100Base-T; 1000Base-T; Gigabit Ethernet; ISDN



STANDARDS COMPLIANCE

EIA/TIA 568-C.2
 IEC 61156-5
 ISO/IEC 11801
 EN50173
 RoHS Compliant

FIRE RATING

UTP5N-M*x: IEC 60332-1 (vertical flame test)
 UL1581 FT2 (horizontal flame test)
 UTP5M-M*x: IEC 60332-1 (vertical flame test)
 UL1581 FT2 (horizontal flame test)
 UL 444 CM
 UTP5Z-M*x: IEC 60332-1 (vertical flame test)
 UL1581 FT2 (horizontal flame test)

CONSTRUCTION			
Conductor	Bare copper wire	Ø 0.52 mm (AWG24)	
Insulation	Polyethylene	Ø 0.90 mm	
Twisting	4 twisted pairs, 2 single conductors paired Twisted pair color code: 1: Blue+White/Blue 2: Orange+White/Orange 3: Green+White/Green 4: Brown+White/Brown		
Cable lay-up	4 pairs with different pitches		
Outer jacket	UTP5N-M*x: PVC (Lead free)	UTP5M-M*x: CM	UTP5Z-M*x: LSZH
Outer diameter	4.7 mm ± 0.2 mm (0.185")		

CABLES | GigaMax® Category 5e UTP 4-pair Solid LAN Cable

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cables

MECHANICAL PROPERTIES

Bending Radius	>4xOD (without load)
Temperature range	during operation: -20° C ~ 75° C during installation: 0° C ~ 60° C

ELECTRICAL PROPERTIES (-20 °C ± 5 °C)

DC resistance	Max. 9.38Ω/100m at 20° C
Resistance unbalance	Max. 2% at 20° C
Insulation resistance	Min. 5000 MΩ/Km at 20° C
Mutual capacitance	Nom. 5.1 nf/100m at 1kHz
Capacitance unbalance (pair to ground)	Max. 50 pf/100m at 1kHz
Characteristic impedance (1 - 100MHz)	(100±15) Ω
Nominal velocity of propagation	67%
Test voltage (DC, 1 min.)	1 kV/1 min.

TECHNICAL DATA - ELECTRICAL

Freq.	Atten.	NEXT	RL	PS-NEXT	Delay	ELFEXT	PS-ELFEXT
MHz	dB/100m	dB	dB	dB	ns/100m	dB	dB
	Max.	Min.	Min.	Min.	Max.	Min.	Min.
1	2.0	65.3	20	62.3	570.0	63.8	60.8
4	4.1	56.3	23	53.3	552.0	51.7	48.7
8	5.8	51.8	24.5	48.8	546.7	45.7	42.7
10	6.5	50.3	25	47.3	545.4	43.8	40.8
16	8.2	47.3	25	44.4	543.0	39.7	36.7
20	9.3	45.8	25	42.8	542.0	37.7	34.7
25	10.4	44.3	24.3	41.3	541.2	35.8	32.8
31.25	11.7	42.9	23.6	39.9	540.4	33.9	30.9
62.5	17.0	38.4	21.5	35.4	538.6	27.8	24.8
100	22.0	35.3	20.1	32.3	537.6	23.8	20.8

CABLES | GigaMax® Category 5e F/UTP 4-pair Solid LAN Cable

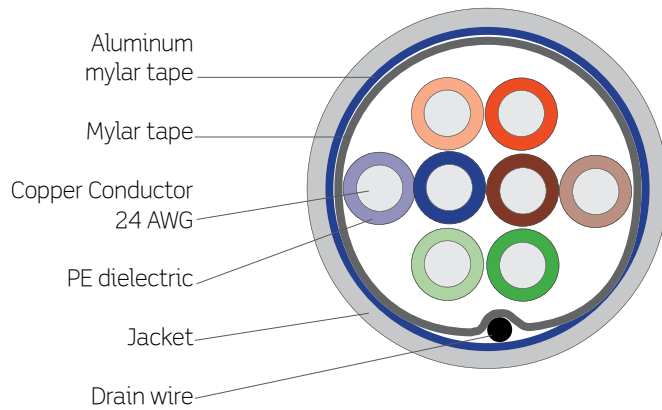
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PART NUMBERS		
DESCRIPTION	PART NO.	
[A] GigaMax CAT 5e F/UTP 4-pair Solid LAN Cable	FTP5N-M*B	
[B] GigaMax CAT 5e F/UTP CM 4-pair Solid LAN Cable	FTP5M-M*B	
[C] GigaMax CAT 5e F/UTP CMR 4-pair Solid LAN Cable	FTP5R-M*B	
[D] GigaMax CAT 5e F/UTP LSZH 4-pair Solid LAN Cable	FTP5Z-M*B	

* Color for jacket: (E) Black, (W) White, (S) Grey, (G) Green, (L) Blue, (Y) Yellow, (O) Orange, (P) Purple, (C) Red
 Note: All packaging is 305 meters (1,000 ft.), Pull Box

APPLICATIONS

IEEE 802.3: 10G Ethernet; Gigabit Ethernet;
 1000Base-T; 100Base-T; 10Base-T



STANDARDS COMPLIANCE

EIA/TIA 568-C.2 CAT 5e
 ISO/IEC 11801 Class D
 IEC 61156-5
 EN50173
 RoHS Compliant

FIRE RATING

FTP5N-M*B: IEC 60332-1 (vertical flame test)
 UL1581 FT2 (horizontal flame test)
 FTP5M-M*B: IEC 60332-1 (vertical flame test)
 UL1581 FT2 (horizontal flame test)
 UL 444 CM
 FTP5R-M*B: IEC 60332-1 (vertical flame test)
 UL1581 FT2 (horizontal flame test)
 UL1666
 FTP5Z-M*B: IEC 60332-1 (vertical flame test)
 UL1581 FT2 (horizontal flame test)

CONSTRUCTION				
Conductor	Bare Copper Wire			Awg 24
Insulation	Polyethylene			1.19 mm
Twisting	4 twisted pairs, 2 single conductors paired Twisted pair color code: 1: Blue+White/Blue 2: Orange+White/Orange 3: Green+White/Green 4: Brown+White/Brown			
Cable lay-up	4 pairs with different pitches			
Shielding	1. Mylar tape as buffer layer 2. Mylar tape laminated with aluminum foil as shield, with foil facing inward 3. Drain wire (24 AWG) placed between Mylar tape and aluminum-foil-laminated Mylar tape.			
Outer jacket	FTP5N-M*B: PVC (Lead free)	FTP5M-M*B: CM	FTP5R-M*B: CMR	FTP5Z-M*B: LSZH
Outer diameter	6.2 mm ± 0.2 mm (0.244")			

CABLES | GigaMax® Category 5e F/UTP 4-pair Solid LAN Cable

MECHANICAL PROPERTIES

Bending Radius	> 4xOD (without load)
Temperature range	during operation: -20° C ~ 60° C during installation: 0° C ~ 60° C

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ELECTRICAL PROPERTIES (-20 °C ± 5 °C)

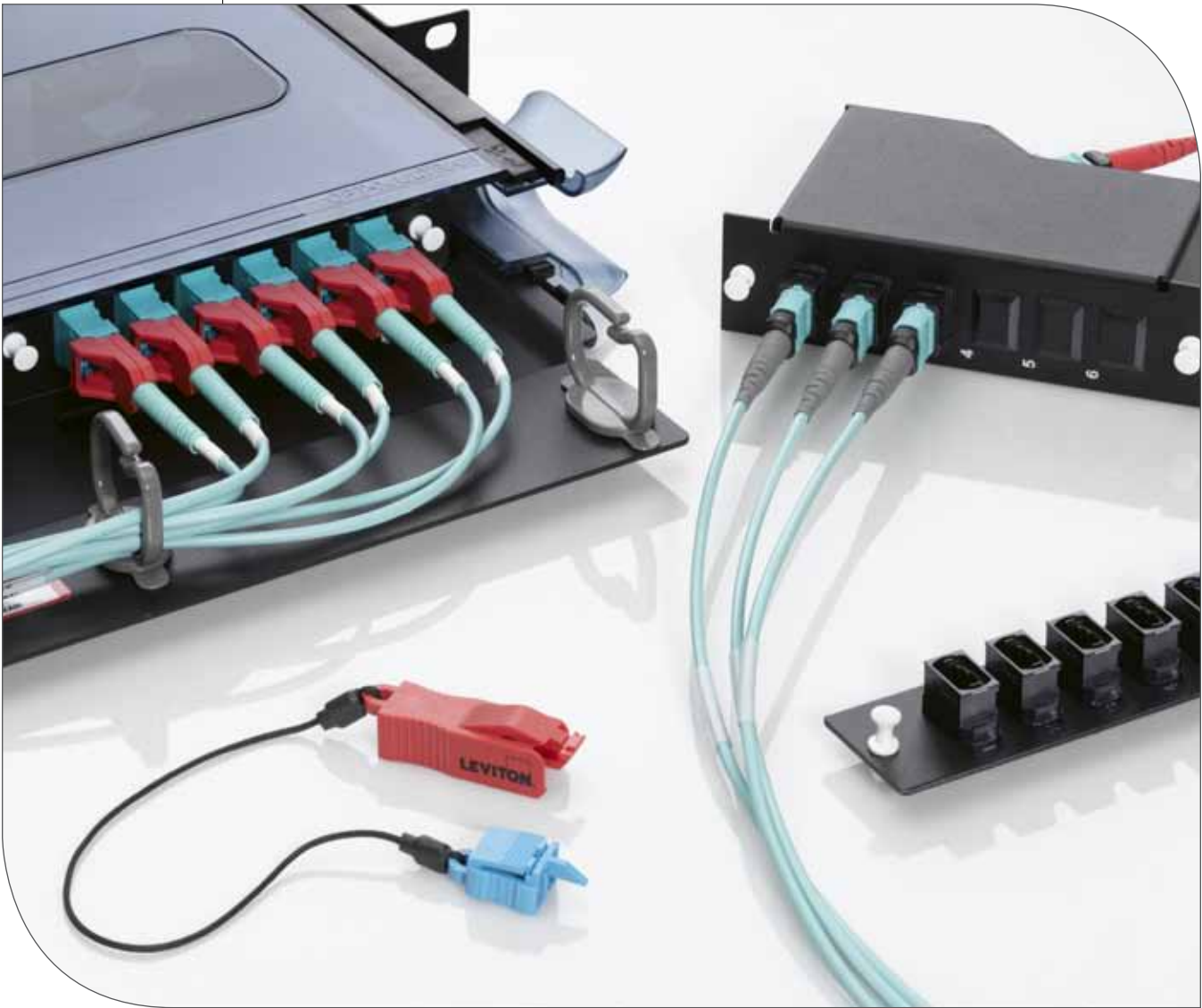
DC resistance	max. 9.2Ω / 100 m at 20° C
Resistance unbalance	max. 2% at 20° C
Insulation resistance (500V)	min. 5000 MΩ/Km at 20° C
Mutual capacitance	nom. 5.1 nf/ 100 m at 1 kHz
Capacitance unbalance (pair to ground)	max. 160 pf/ 100 m at 1 kHz
Characteristic impedance (1-100 MHz)	100 ± 15Ω
Nominal velocity of propagation	67%
Test voltage (DC, 1 min)	1 kV / 1 min

TRANSMISSION CHARACTERISTICS ACC. TIA 568-C.2 CAT 5E AND IEC 61156-5 (AT 20° C)

Freq. (MHz)	IMPEDANCE W	ATTENUATION (DB)	NEXT (DB)	PS-NEXT (DB)	ACR (DB)	PSACR (DB)	ELFEXT (DB)	PSELFEXT (DB)	RETURN LOSS (DB)	PROPAGATION DELAY (NS)	DELAY SKEW (NS)
1	100 ± 15	[2.1]	65.3	62.3	63.3	60.3	63.8	60.8	20.0	570.0	45
4		4.1	56.3	53.3	52.2	49.2	51.7	48.7	23.0	552.0	
8		5.8	51.8	48.8	46.0	43.0	45.7	42.7	24.5	546.7	
10		6.5	50.3	47.3	43.8	40.8	43.8	40.8	25.0	545.4	
16		8.3	47.3	44.3	39.0	36.0	39.7	36.7	25.0	543.0	
20		9.3	45.8	42.8	36.5	33.5	37.7	34.7	25.0	542.1	
25		10.4	44.3	41.3	33.9	30.9	35.8	32.8	24.3	541.2	
31.25		11.7	42.9	39.9	31.2	28.2	33.9	30.9	23.6	540.4	
62.5		17.0	38.4	35.4	21.4	18.4	27.8	24.8	21.5	535.9	
100		22.0	35.3	32.3	13.3	10.3	23.8	20.8	20.1	537.6	



FIBER SOLUTIONS



SECTION B CONTENTS



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- B4** Pre-terminated Solutions
- B5** Opt-X® Unity 40/100G
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- ZERO-U**
- B22** VertiGO®
- B23** MTP® Brackets
- B24** Vertical Patching Brackets
- LIGHTSPACE® ENCLOSURES**
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- B27** LightSpace CPS/CPC
- B29** Indoor/Outdoor NIDs
- OPT-X WALL-MOUNT**
- B30** Opt-X 1000

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- B32** Selection Guide
- B33** Opt-X Adapter Plates
- B35** MTP Modules
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- B39** Splice Trays, Holders & Sleeves
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- B44** Opt-X Unity 40/100G MTP Trunk Cables
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- B52** Opt-X Unity 40/100G Array Cords
- B53** Multimode Patch Cords
- B55** Single-Mode Patch Cords
- B56** Pigtailed
- B57** Secure Keyed LC Patch Cords

CONNECTORS & HOUSINGS

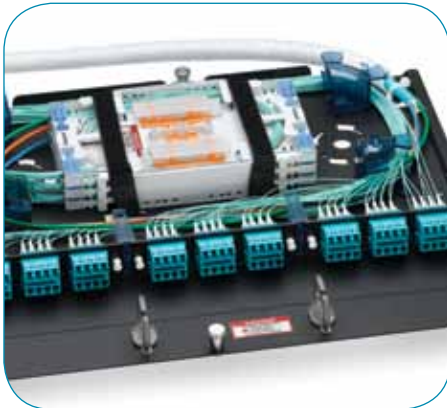
- B59** Introduction
- B60** FastCAM® Connectors
- B61** Fast-Cure® Connectors
- B62** Secure Keyed LC Connectors & Accessories
- B63** Thread-Lock® Connectors & QuickPort® Adapters
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FIBER CABLES

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- B74** FTTH Cable
- B75** 2-24 Indoor Distribution LSZH Fiber-Cable
- B77** B 47 2-24 Indoor/Outdoor Central Loose Tube LSZH Fiber Cable
- B79** 2-24 Indoor/Outdoor Central Loose Tube Armor Zero Halogen Fiber Cable
- B81** 2-24 Outdoor Central Loose Tube (Light Protection) LSZH Fiber Cable



System Overview

1. OPTICAL FIBER

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

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

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

2. ENCLOSURES (see pages B9-B30)

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

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

3. ENCLOSURE ACCESSORIES (see pages B31-B42)

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

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

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

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

Pre-terminated Solutions



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

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

TRUNK CABLES (See pages B44-48)

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

HARNESSES (See pages B49-51)

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

MTP MODULES (See pages B35-36)

- 12- or 24-fiber MTP connectors on the back
- MTP connectors or discrete connectors on the front, including LC, SC, and MU
- Single-mode, multimode, and laser optimized multimode types available

FIBER PRE-TERMINATED CABLING PERFORMANCE (dB)

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

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

FIBER

fiber systems

FIBER
fiber
systems



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

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

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

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



Channel tested by
Intertek (ETL)

COLOR CODED BOOTS ON MTP



Red - 24 Fiber



Black - 12 Fiber



Gray - 8 Fiber

OPT-X UNITY 40/100G SYSTEM

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

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

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

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

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

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

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

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

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

STANDARDS SUPPORTED

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

APPLICATIONS

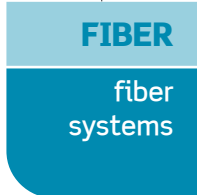
- Data center infrastructure
- High-bandwidth enterprise, building automation, and security
- Medium-to-large enterprise networks
- High-performance computer clusters
- Migration path to Opt-X Unity 40/100G
- VCSEL-based propagation

For Leviton Fiber Enclosures see pages B9-B30.

LASER OPTIMIZED MULTIMODE (LOMM) FIBER COMPONENTS

CONNECTORS				
DESCRIPTION	FAST-CURE®		FASTCAM®	
SC LOMM	49990-LSC		49991-LSC	
LC LOMM	49990-LDL		49991-LLC	
PATCH CORDS & PIGTAILS		OM3		OM4
DESCRIPTION	SC-SC	LC-LC	SC-SC	LC-LC
50/125 μm LOMM	5L*SC-Mxx	5L*LC-Mxx	54*SC-Mxx	54*LC-Mxx
12-fiber Individual Color-Coded 50 μm LOMM Pigtail Kit, 3 meter length	5LPSC-KIT	5LPLC-KIT	54PSC-KIT	54PLC-KIT
OPT-X® ADAPTER PLATES				
3-Pack Duplex SC LOMM, (6-fiber) aqua, zirconia ceramic sleeve				5F100-3AC
6-Pack Duplex SC LOMM, (12-fiber) aqua, zirconia ceramic sleeve				5F100-6AC
6-Pack Duplex LC LOMM, (12-fiber) aqua, zirconia ceramic sleeve				5F100-12A
6-Pack Quad LC LOMM, (24-fiber) aqua, zirconia ceramic sleeve				5F100-24A
OPT-X MTP® MODULES			OM3	OM4
MTP - SC, 12-fiber			FM-E012BAC0C	FM-F012BAC0C
MTP - LC, 12-fiber			FM-E012CAC0C	FM-F012CAC0C
MTP - LC, 24-fiber			FM-E024CAC0C	FM-F024CAC0C

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



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

SPECIFICATIONS	62.5/125 μm MULTIMODE SYSTEM (OM1)		50/125 μm MULTIMODE SYSTEM (OM2)	
	850 nm	1300 nm	850 nm	1300 nm
Maximum Attenuation (dB/km)	3.5	1.0	3.0	1.0
Overfill Launch Min. Bandwidth (MHz•km)	200	500	950	500
1G Transmission Distance (meters)	300	600	750	600
10G Transmission Distance (meters)	36	-	82	-

STANDARDS SUPPORTED

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

For Leviton Fiber Enclosures see pages B9-B30.

APPLICATIONS

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

MULTIMODE (MM) FIBER COMPONENTS

CONNECTORS			
DESCRIPTION	62.5/125 μm or 50/125 μm FAST-CURE®	62.5/125 μm FASTCAM®	50/125 μm FASTCAM®
SC MM	49990-MSC	49991-MSC	49991-5SC
ST MM	49990-MST	49991-MST	49991-5ST
LC MM	49990-MDL	49991-MDL	49991-5LC
PATCH CORDS & PIGTAILS			
DESCRIPTION	SC-SC	LC-LC	ST-ST
62.5/125 μm MM	62*SC-Mxx	62*LC-Mxx	62*ST-Mxx
50/125 μm MM	50*SC-Mxx	50*LC-Mxx	50*ST-Mxx
12-fiber Individual Color-Coded 62.5/125 μm MM Pigtail Kit, 3 meter length	62PSC-KIT	62PLC-KIT	62PST-KIT
12-fiber Individual Color-Coded 50 μm MM Pigtail Kit, 3 meter length	50PSC-KIT	50PLC-KIT	50PST-KIT
OPT-X® ADAPTER PLATES			
6-Pack ST MM, 6-fiber, phosphor bronze sleeve		5F100-1ST	
3-Pack Duplex SC MM, 6-fiber, beige, phosphor bronze sleeve		5F100-3BC	
6-Pack Duplex SC MM, 12-fiber, beige, phosphor bronze sleeve		5F100-6BC	
6-Pack Duplex LC MM, 12-fiber, beige, phosphor bronze sleeve		5F100-12P	
6-Pack Quad LC MM, 24-fiber, beige, phosphor bronze sleeve		5F100-24P	
OPT-X MTP® MODULES			
DESCRIPTION	62.5/125 μm	50/125 μm	
MTP - SC, 12-fiber	FM-C012BACO	FM-B012BACO	
MTP - LC, 12-fiber	FM-C012CACO	FM-B012CACO	
MTP - LC, 24-fiber	FM-C024CACO	FM-B024CACO	

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

Single-Mode System (OS1/OS2)

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

STANDARDS SUPPORTED

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

APPLICATIONS

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

For Leviton Fiber Enclosures
see pages B9-B30.

SINGLE-MODE (SM) FIBER COMPONENTS

CONNECTORS				
DESCRIPTION		FAST-CURE®	FASTCAM®	
SC SM UPC		49990-SSC	49991-SSC	
ST SM UPC		49990-SST	49991-SST	
LC SM UPC		49990-SDL	49991-SLC	
PATCH CORDS & PIGTAILS				
DESCRIPTION	SC-SC	LC-LC	ST-ST	
SM UPC	UP*SC-Sxx	UP*LC-Sxx	UP*ST-Sxx	
SM APC	APSSC-Sxx	Custom	N/A	
12-fiber Individual Color-Coded SM/UPC Pigtail Kit, 3 meter length	UPPSC-KIT	UPPLC-KIT	Custom	
OPT-X® ADAPTER PLATES				
DESCRIPTION	PART NO.			
6-Pack ST SM, 6-fiber, zirconia ceramic sleeve	5F100-6ZT			
3-Pack Duplex SC SM, 6-fiber, blue, zirconia ceramic sleeve	5F100-3ZC			
6-Pack Duplex SC SM, 12-fiber, blue, zirconia ceramic sleeve	5F100-6ZC			
6-Pack Duplex LC SM, 12-fiber, blue, zirconia ceramic sleeve	5F100-12Z			
6-Pack Quad LC SM, 24-fiber, blue, zirconia ceramic sleeve	5F100-24Z			
OPT-X MTP® MODULES				
DESCRIPTION	PART NO.			
MTP - SC, 12-fiber	FM-A012BACO			
MTP - LC, 12-fiber	FM-A012CACO			
MTP - LC, 24-fiber	FM-A024CACO			

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

FIBER

fiber
systems

ENCLOSURES



FEATURED PRODUCTS

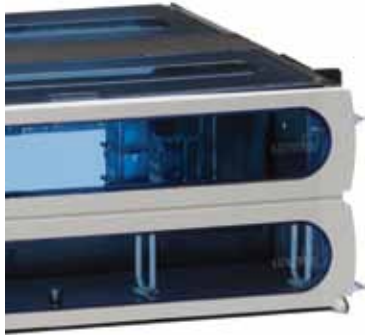
Opt-X Ultra®
Enclosures **B11**

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

High-Density
Replicator® **B21**

New e2XHD Patching
System **B17**

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



OPT-X ULTRA®

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



OPT-X® 1000i

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



OPT-X 500i

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

FIBER
enclosures

HIGH-DENSITY REPLICATOR® ENCLOSURE

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



Quality and Performance in Every Solution



Gary Bernstein, RCDD, CDCD

Director of Product Management, Fiber & Data Center Solutions

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



FIBER
enclosures

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

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

RECOMMENDED APPLICATIONS:

- Data Centers
- Equipment Room
- Entrance Facility
- Telecommunications Room
- 19" and 23" Racks and Cabinets



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

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

SPOTLIGHT Make To Order Enclosures



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

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



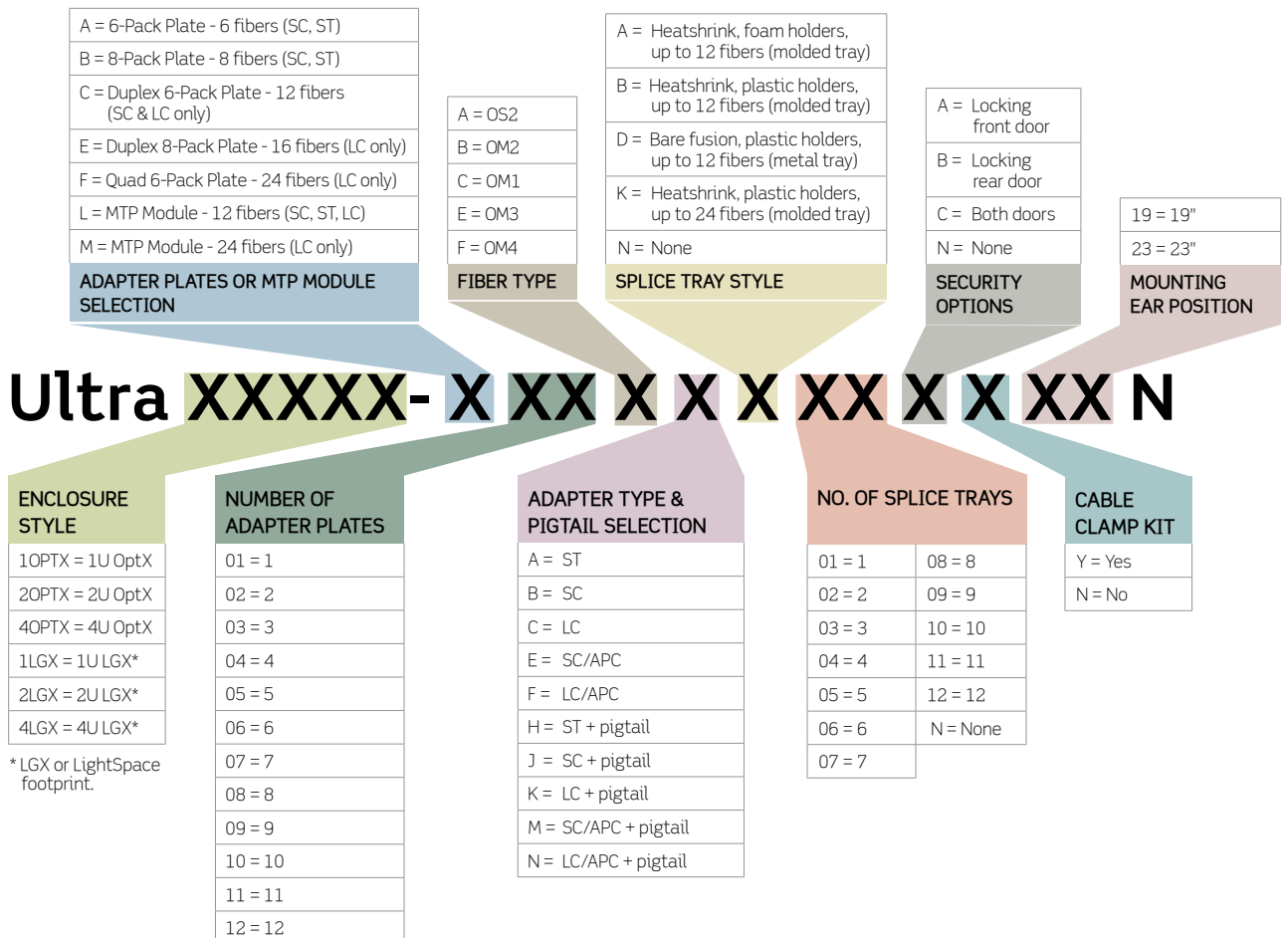
* = Rack Units: 1RU (1), 2RU (2), 4RU (4)

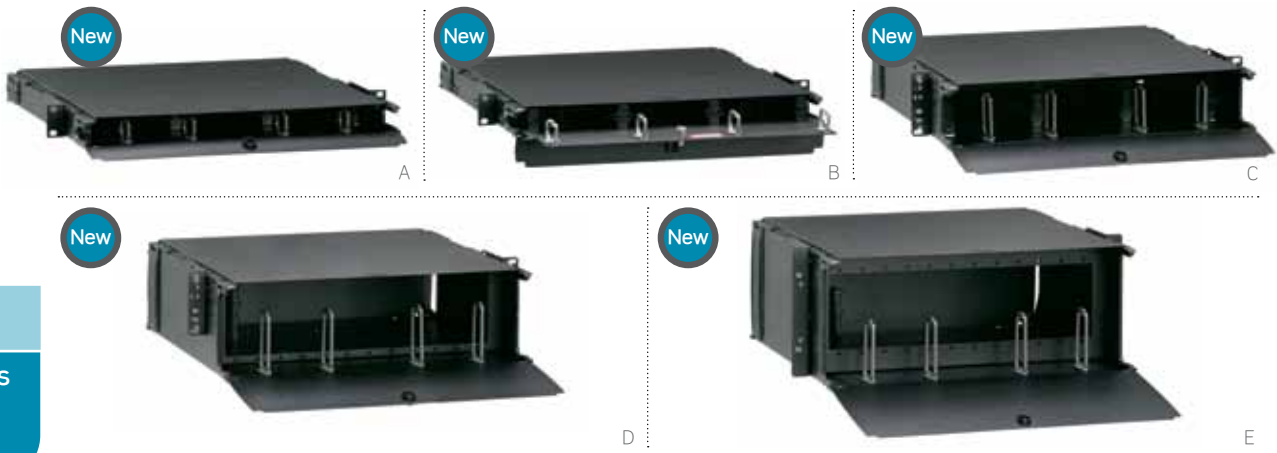
FIBER
enclosures

PART NUMBER CONFIGURATOR - OPT-X ULTRA ENCLOSURES

Example: **Ultra 10PTX-C03EKB3CY19N**; 1RU Opt-X Ultra Enclosure pre-configured with (3) 6-pack plates loaded with duplex LC adapters (aqua color) pre-terminated with color-coded pigtails, (3) heat shrink style injection-molded splice trays (for up to 12 fiber splicing), locking feature on both doors, with cable clamp kit, and 19" mounting ears [CONFIGURATION FOR 36 FIBERS].

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





FIBER
enclosures

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

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

RECOMMENDED APPLICATIONS:

- Equipment Room
- Telecommunications Room
- 19" and 23" Racks and Cabinets



OPT-X 1000i RACK-MOUNT ENCLOSURES			
DESCRIPTION	PART NO.		
[A] Opt-X 1000i, 1RU Enclosure, empty	5R1UM-F03		
[B] Opt-X 1000i, 1RU Enclosure, empty, with sliding tray	5R1UM-S03		
[C] Opt-X 1000i, 2RU Enclosure, empty	5R2UM-F06		
Opt-X 1000i, 2RU Enclosure, empty, with sliding tray	5R2UM-S06		
Opt-X 1000i, 3RU Enclosure, empty (horizontal adapter plate/module orientation)	5R3UM-F09		
[D] Opt-X 1000i, 3RU Enclosure, empty (vertical adapter plate/module orientation)	5R3UM-F12		
[E] Opt-X 1000i, 4RU Enclosure, empty (vertical adapter plate/module orientation)	5R4UM-F12		
Opt-X 1000i, 4RU Enclosure, empty (horizontal adapter plate/module orientation)	5R4UM-F15		
OPT-X 1000i RACK-MOUNT ENCLOSURE DENSITY			
RACK UNIT	FIBERS (USING LC)	ADAPTER PLATE OR MTP MODULE/CASSETTE	SPLICE TRAYS*
1RU	72	Up to 3	Up to 3
2RU	144	Up to 6	Up to 6
3RU	216	Up to 9 (horizontal adapter plate/module orientation)	Up to 12
3RU/4RU	288	Up to 12 (vertical adapter plate/module orientation)	Up to 12
4RU	360	Up to 15 (horizontal adapter plate/module orientation)	Up to 12

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

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

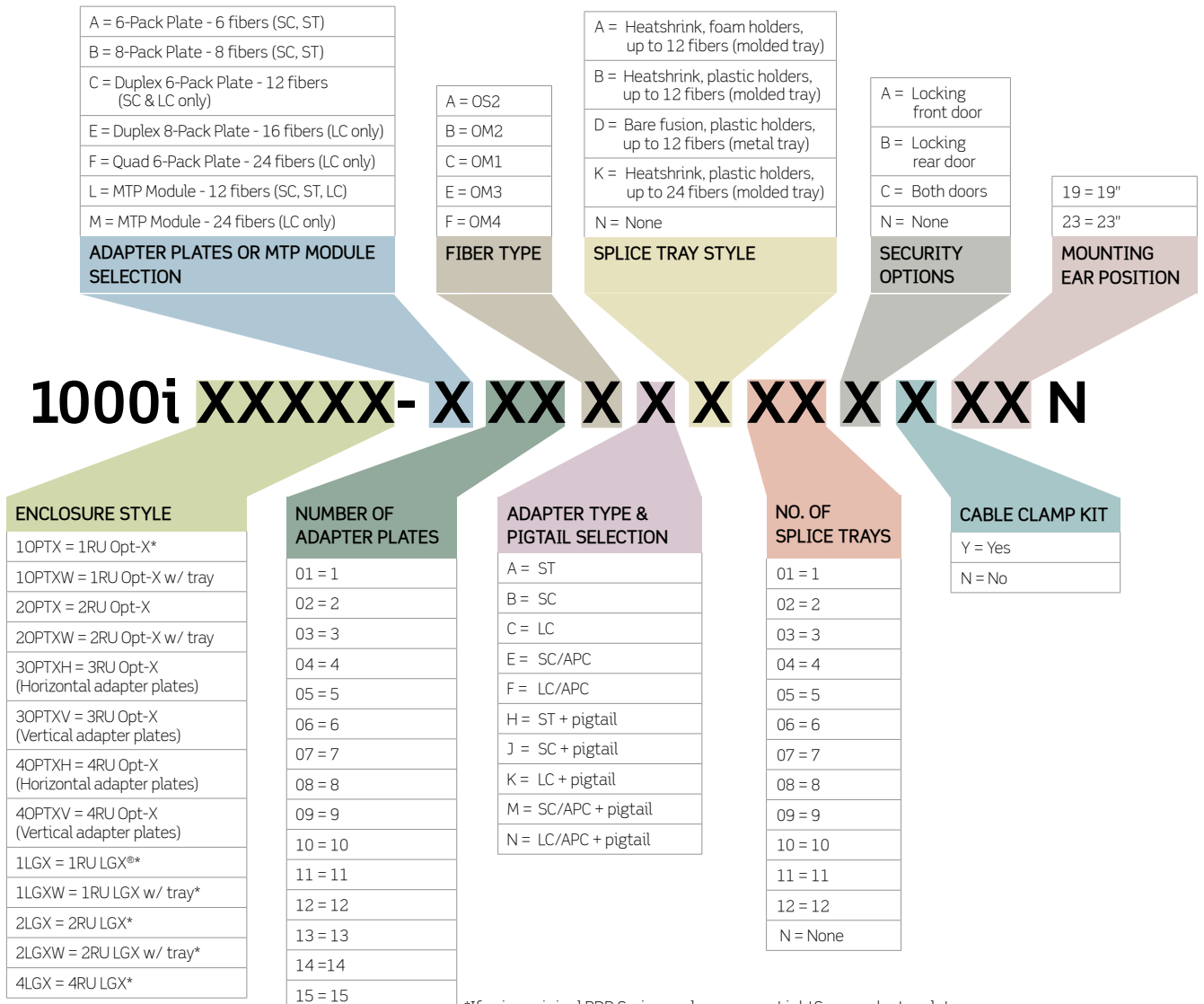


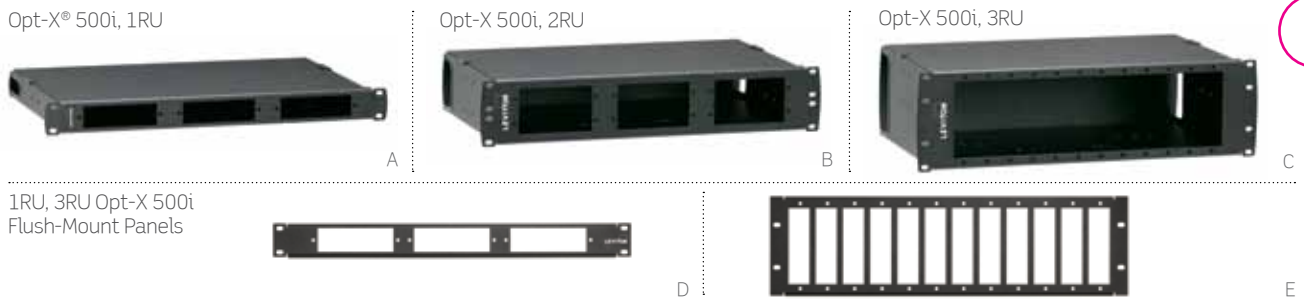
FIBER
enclosures

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

Example: **1000i 10PTX-C03EKB3CY19N**; 1RU Opt-X 1000i Enclosure pre-configured with (3) 6-pack plates loaded with duplex LC adapters (aqua color) pre-terminated with color-coded pigtails, (3) heat shrink style injection-molded splice trays (for up to 12 fiber splicing), locking feature on both doors, with cable clamp kit, and 19" mounting ears [CONFIGURATION FOR 36 FIBERS].

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





Opt-X 500i Flush-Mount Rack Enclosures

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

RECOMMENDED APPLICATIONS:

- Equipment Room
- Telecommunications Room
- 19" racks and cabinets

OPT-X 500i RACK-MOUNT ENCLOSURES			
DESCRIPTION	PART NO.		
[A] Opt-X 500i, 1RU Enclosure, empty	5R1UL-F03		
[B] Opt-X 500i, 2RU Enclosure, empty	5R2UL-F06		
[C] Opt-X 500i, 3RU Enclosure, empty	5R3UL-F12		
[D] Opt-X 500i, 1RU Panel, empty	5R1UE-OPX		
[E] Opt-X 500i, 3RU Panel, empty	5R3UE-OPX		
OPT-X 500i RACK-MOUNT ENCLOSURE DENSITY			
RACK UNIT	FIBERS (USING LC)	ADAPTER PLATE OR MTP MODULE/CASSETTE	SPLICE TRAYS*
1RU	72	Up to 3	Up to 3
2RU	144	Up to 6	Up to 6
3RU	288	Up to 12	Up to 12

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

SPOTLIGHT Patch Cord Management Tray



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

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



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



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



Bend Radius Brackets (5PCBR-*BT)



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



FIBER
enclosures

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

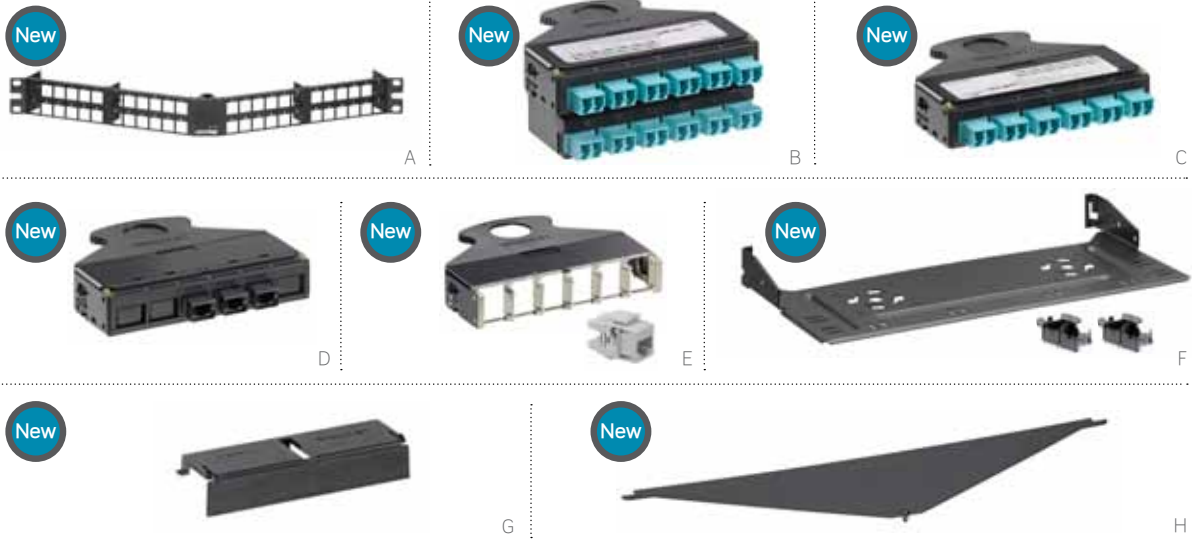
* = Rack Units: 1RU (1), 2RU (2), 4RU (4)

SPOTLIGHT Fiber Optic Fanout Kit



Protect bare fiber and prepare loose tube cable for direct termination with Leviton Fiber Optic Fanout Kits. Stack multiple fanout kits inside a fiber enclosure to save space. Available in two lengths, these 6- or 12-fiber kits separate 250 µm fibers and route them into color-coded 900 µm buffer tubes. The easy-to-use kits work with any manufacturer's loose-tube cabling and any industry-standard connectors. To learn more, watch a termination demonstration at youtube.com/levitonmfg.

ENCLOSURES | Rack-Mount > e2XHD Patching System



FIBER
enclosures

The e2XHD Patching System provides simple termination and improved cabling routing for both fiber and copper applications. Cassettes quickly snap in and pull out of the high density angled panel, making installation and maintenance easier than ever. Copper cassettes use field-terminated connectors, while fiber cassettes are pre-terminated. Panel covers and blank modules offer extra protection from dust and damage.

1RU HIGH DENSITY ANGLED PANEL

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

MTP-LC FIBER CASSETTE

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

ANGLED PANEL BLANK INSERT

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

COPPER CASSETTE KIT

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

REAR CABLE MANAGER

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

ANGLED PANEL TOP COVER

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

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

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

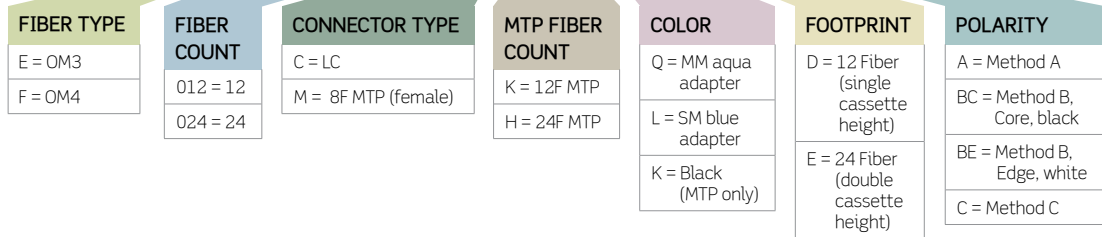
*CAT 6A cassettes include six 6110G QuickPort® Connectors. CAT 6 cassettes include six 61110 QuickPort Connectors.

PART NUMBER CONFIGURATOR - e2XHD MTP FIBER CASSETTE

Example: **FME2XHD-E012CCKQDBC**: 12-fiber OM3, LC (aqua color) to MTP connector, Method B (core) polarity.

FOR ASSISTANCE CONFIGURING YOUR ENCLOSURE, PLEASE CALL 800.722.2082.

FME2XHD - X XXX X X X X XX



SPOTLIGHT MTP Adapter



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



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



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



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

FIBER
enclosures

HIGH-DENSITY FLUSH-MOUNT SERIES FIBER TERMINATION ENCLOSURES

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

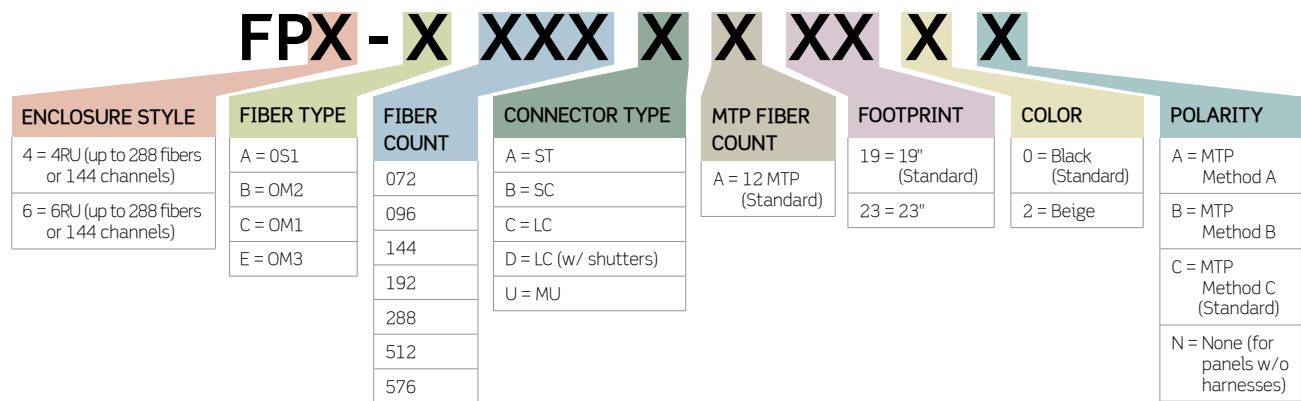
RECOMMENDED APPLICATIONS:

- Data Center Server, Zone, or MDA
- Equipment Room
- Telecommunications Room
- 19" Racks and Cabinets

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

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

FOR ASSISTANCE CONFIGURING YOUR ENCLOSURE, PLEASE CALL 800.722.2082.



FLUSH-MOUNT ENCLOSURE DENSITY, MAXIMUM FIBER COUNT				
SIZE/TYPE	SC	LC	MU	ST
1RU Panel/Enclosure	72	144	72	72
4RU Enclosure	144	288	144	144
6RU Enclosure	144	288	288	144
8RU Enclosure	288	576	576	288



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



1RU Panel, 72-fiber OM1, LC



1RU Panel, 72-fiber, OS2, MU



FIBER

enclosures

HIGH-DENSITY FLUSH-MOUNT SERIES FIBER TERMINATION PANELS

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

RECOMMENDED APPLICATIONS:

Data Center Server, Zone, or MDA

Equipment Room

Telecommunications Room

19" Racks and Cabinets

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

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

FOR ASSISTANCE CONFIGURING YOUR ENCLOSURE, PLEASE CALL 800.722.2082.

FM - X XXX X X B X X

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



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



REPL-BRDE2400-LCMTPO960M3C:
Brocade 12/24k Replicator 8RU Enclosure,
96 channel, MTP to LC, OM3, Fiber



REPL-CSCO9513-LCMTTP5760M3C:
Cisco 9513 Replicator 8RU Enclosure, Beige
288 channel, MTP to LC, OM3, Fiber

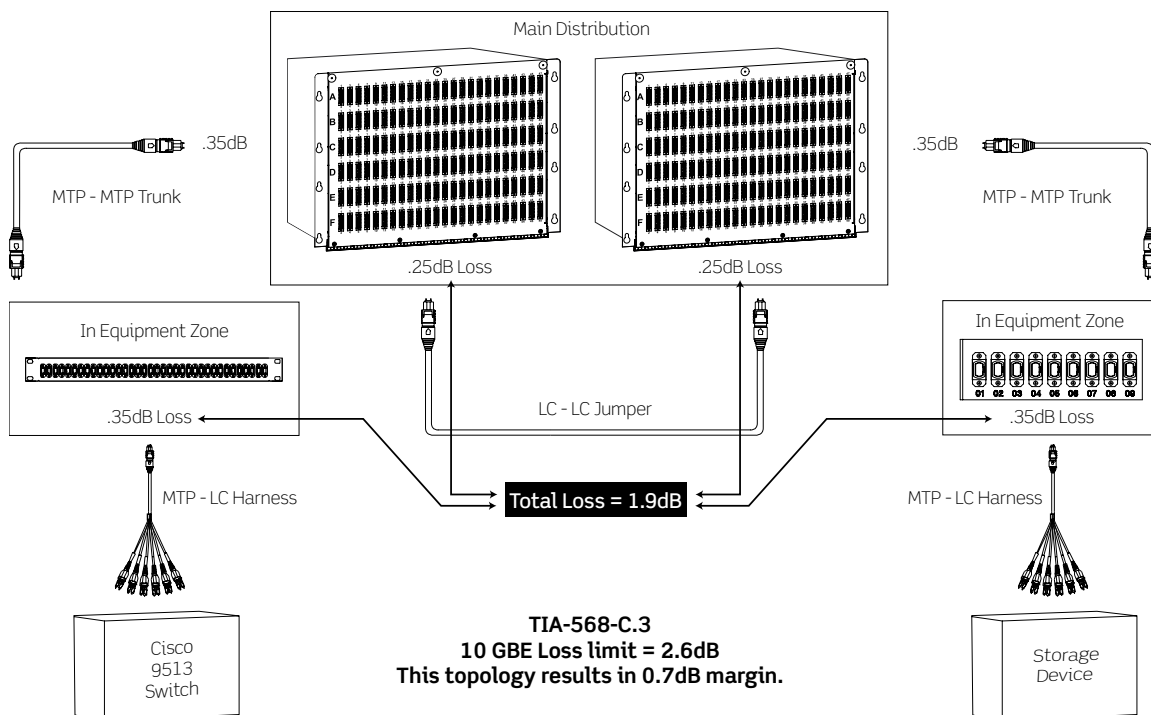
FIBER
enclosures

REPLICATOR ENCLOSURES

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

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

TYPICAL REPLICATOR KIT TOPOLOGY





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enclosures

VERTIGO ZERO-U PATCH PANELS

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

VERTIGO ZERO-U PATCH PANELS

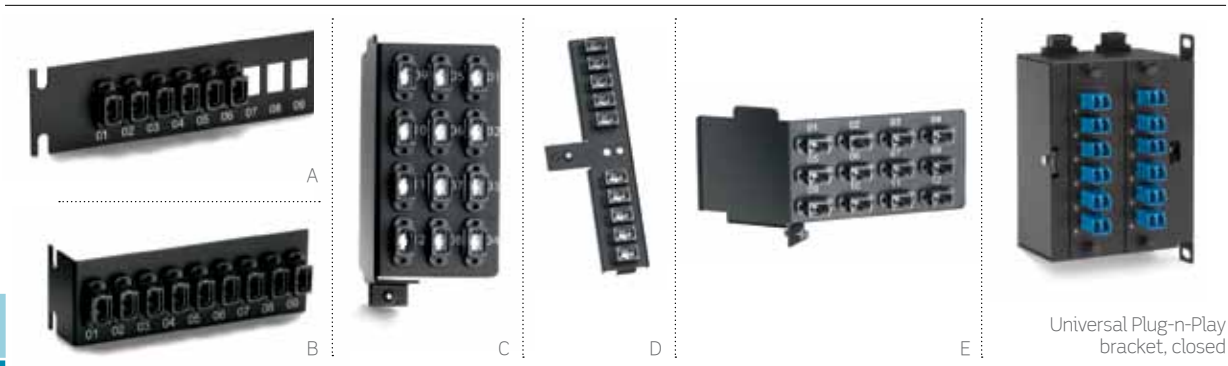
DESCRIPTION	PART NO.
[A] QuickPort 12-Port Zero-U, panel only	49280-QP0
QuickPort 12-Port Zero-U, panel with 3" cable channel	49280-QP3
QuickPort 12-Port Zero-U, panel with 6" cable channel	49280-QP6
[B] Opt-X Adapter Plate Zero-U, panel only	49280-AP0
Opt-X Adapter Plate Zero-U, panel with 3" cable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

VERTIGO RACK-MOUNT PLUG-N-PLAY PATCH PANELS

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

VERTIGO FIBER PLUG-N-PLAY PATCH PANELS

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



FIBER PLUG-N-PLAY MTP BRACKETS

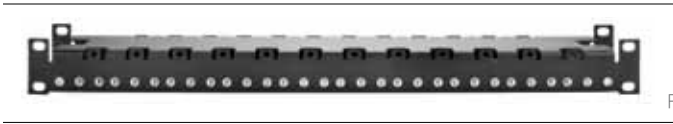
- Available in various sizes and configurations to accommodate 6 to 12 adapters
- Mount to back rail (right or left side) of racks and cabinets, freeing up valuable space
- Provide direct connection to trunk cables and harnesses
- Custom configurations available, call 800.722.2082 for more information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

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

UNIVERSAL FIBER PLUG-N-PLAY BRACKETS

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

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



VERTICAL PATCHING BRACKETS

- Enable vertical mounting of patch panels, adapter plates (Opt-X® and LightSpace®), and managers to standard 19" racks and cabinets
- Align or replicate patch panel/adapter plate ports with the ports that reside on servers or switches within the same or adjacent rack/cabinet
- 48-port copper panels replicate typical 1G/10G copper switch blades
- 48-channel fiber channels replicate typical 10G fiber switch blades
- Up to ten 1RU copper/fiber patch panels and cable managers can be mounted vertically utilizing 10RU space
- Up to twelve Opt-X or LightSpace adapter plates can be mounted vertically utilizing 5RU space



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

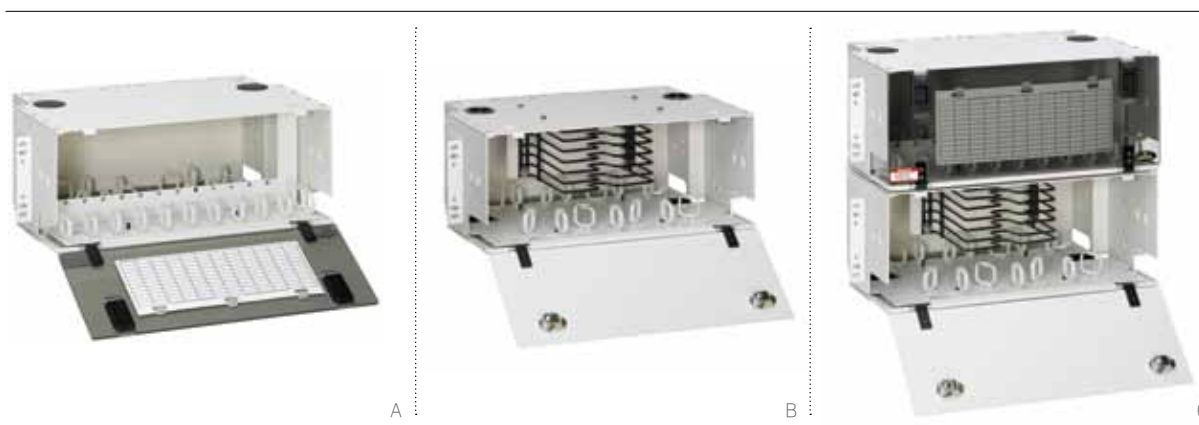
Horizontal cable managers sold separately, see page C5

The Industry's Best Service & Support



Dennis Manes, RCDD
Fiber and Data Center Principal Applications Engineer

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



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RACK-MOUNT LIGHTSPACE KEY FEATURES

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

LIGHTSPACE DP SERIES OPTICAL DISTRIBUTION ENCLOSURES

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

LIGHTSPACE DPS SERIES OPTICAL SPLICE ENCLOSURES

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

LIGHTSPACE DPC SERIES OPTICAL DISTRIBUTION & SPLICE ENCLOSURES

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

RECOMMENDED APPLICATIONS:

Central Office or Head End, CLEC

19" and 23" Racks and Cabinets

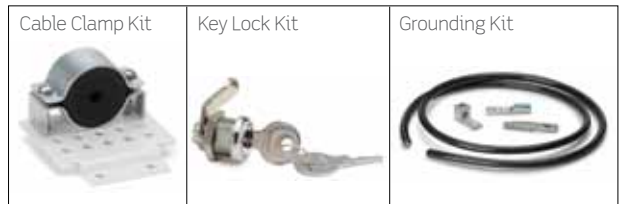


To configure enclosure, visit
www.leviton.com/configurator
or call 800.722.2082.

LIGHTSPACE DP OPTICAL DISTRIBUTION ENCLOSURES, STANDARD PART NUMBERS					
DESCRIPTION	MAXIMUM CAPACITY				PART NO.
	Fibers (using LC)	Adapter Plates	AND Splice Trays*	OR MTP® Modules	
DP-525, 3RU, empty	144	6	N/A	N/A	DP03U-STD
[A] DP-700, 4RU, empty	288	12	N/A	N/A	DP04U-STD
DP-105, 6RU, empty	288	12	N/A	N/A	DP06U-STD
LIGHTSPACE DPS OPTICAL SPLICE ENCLOSURES, STANDARD PART NUMBERS					
DPS-525, 3RU, empty	N/A	N/A	4	N/A	DPS3U-STD
[B] DPS-700, 4RU, empty	N/A	N/A	6	N/A	DPS4U-STD
DPS-105, 6RU, empty	N/A	N/A	12	N/A	DPS6U-STD
LIGHTSPACE DPC OPTICAL DISTRIBUTION & SPLICE ENCLOSURES, STANDARD PART NUMBERS					
DPC-525, 6RU, empty	144	6	4	N/A	DPC6U-033
DPC-752, 7RU, empty	288	12	4	N/A	DPC7U-043
[C] DPC-700, 8RU, empty	288	12	6	N/A	DPC8U-STD
DPC-105, 12RU, empty	288	12	12	N/A	DPC12-066

FIBER enclosures

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



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



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LIGHTSPACE CPC SERIES CUSTOMER PREMISE ENCLOSURES

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

RECOMMENDED APPLICATIONS:

Central Office or Head End

Wall-Mount



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

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



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



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Enclosures

LIGHTSPACE CPS SERIES CUSTOMER PREMISE SPLICE ENCLOSURES

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

RECOMMENDED APPLICATIONS:

Central Office or Head End

Enterprise



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

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



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



A



B

Pigtails, splice tray and adapter plate sold separately.



C

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SPACE NETWORK INTERFACE DEVICES (NIDS)

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

RECOMMENDED APPLICATIONS:

- Demarcation Point
- Telecommunications Room
- Equipment Room
- Wall-Mount

NETWORK INTERFACE DEVICES (NIDS), STANDARD PART NUMBERS

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

*Accepts 12-fiber Mini Molded Splice Tray T5PLS-12F (page B39). See page B32 for splice tray dimension and selection guide.

PART NUMBER CONFIGURATOR - NIDS

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

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

FNXXX - X X X X

NID STYLE

502*
350*
530*

ADAPTER PLATE SELECTION

A = 6-Pack Plate - 6 fibers (SC, ST) (FN502, FN350 only)	G = 2-Pack Plate - 2 fibers (SC, LC) (FN530 only)
B = 8-Pack Plate - 8 fibers (SC, ST) (FN502, FN350 only)	H = Duplex 2-Pack Plate - 4 fibers (SC, LC) (FN530 only)
C = Duplex 6-Pack Plate - 12 fibers (SC, LC) (FN502, FN350 only)	K = Quad 2-Pack Plate - 8 fibers (LC) (FN530 only)

FIBER TYPE

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

ADAPTER TYPE & PIGTAIL SELECTION

A = ST	H = ST + pigtail
B = SC	J = SC + pigtail
C = LC	K = LC + pigtail
E = SC/APC	M = SC/APC + pigtail
F = LC/APC	N = LC/APC + pigtail

SPLICE TRAY OPTIONS

Y = Splice Tray
N = None

* See chart above for NID capacity.



FIBER
enclosures

OPT-X 1000 WALL-MOUNT FIBER OPTIC ENCLOSURES

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

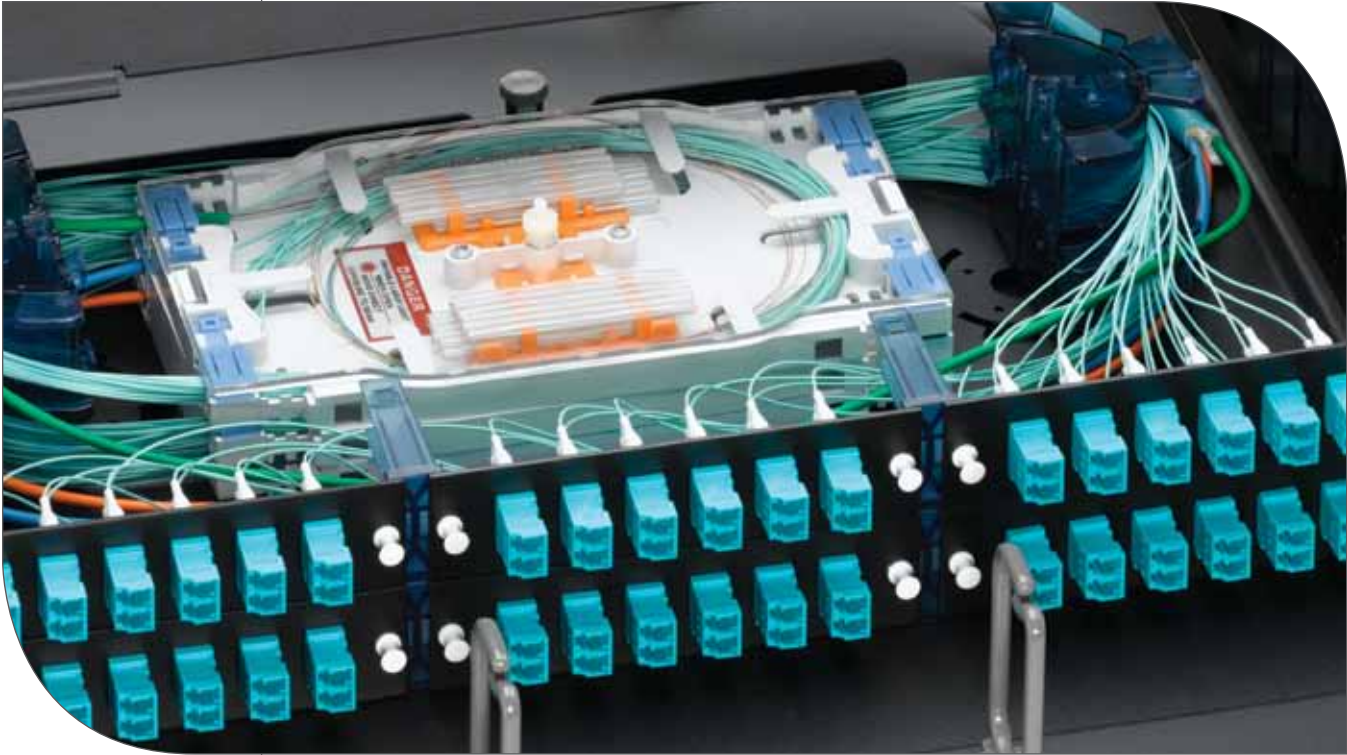
RECOMMENDED APPLICATIONS:

- Telecommunications Room
- Equipment Room

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

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

ENCLOSURE ACCESSORIES



FEATURED PRODUCTS

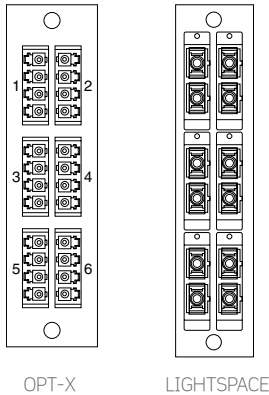
Opt-X®
Adapter Plates **B33**

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

Injection-Molded
Splice Trays **B39**

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

CHOOSING YOUR ADAPTER PLATES OR MTP® MODULES



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

OPT-X

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

LIGHTSPACE

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

FIBER
enclosure
accessories

CHOOSING YOUR SPLICE TRAYS

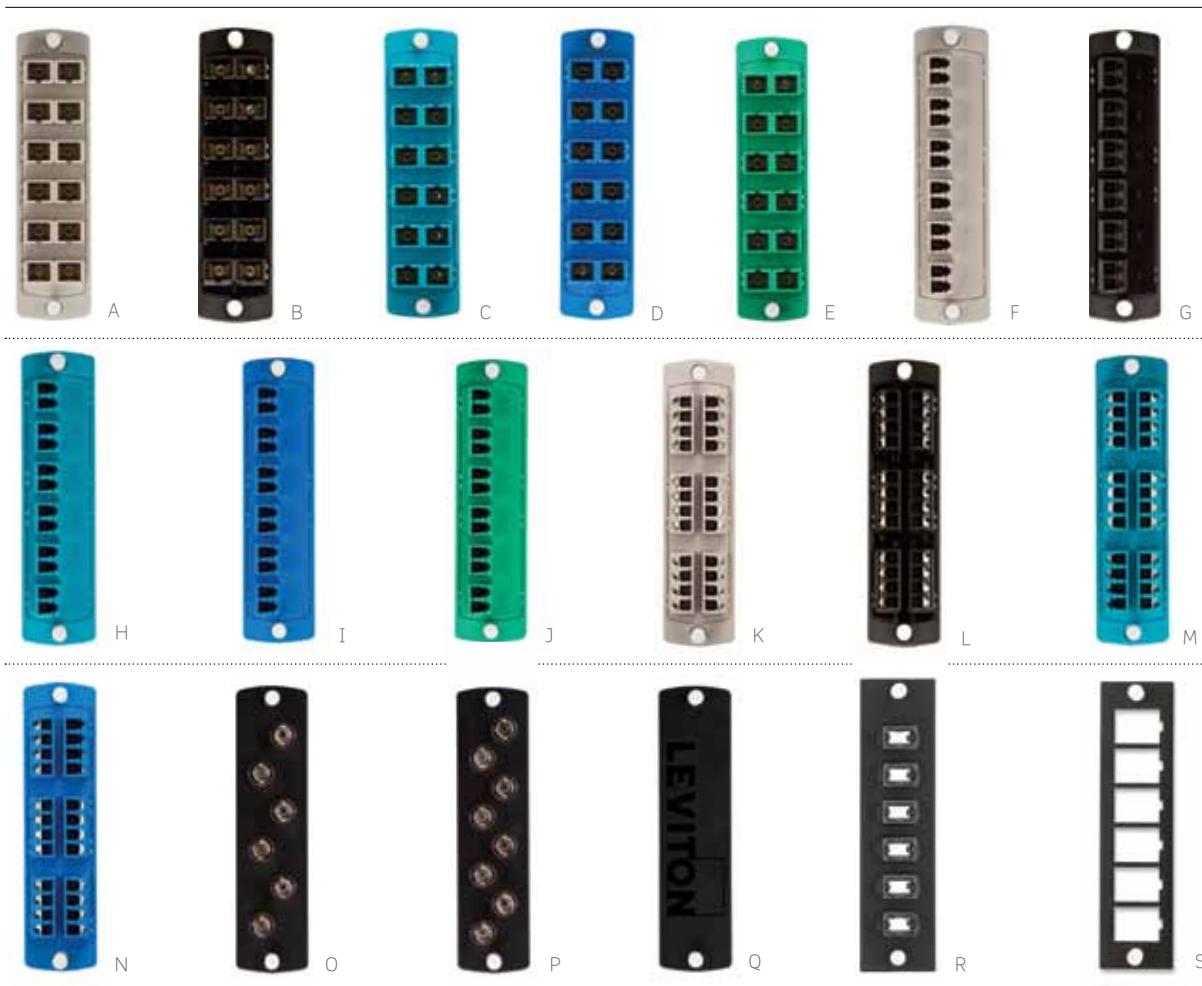
Leviton offers several styles of metal and injection-molded splice trays.

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

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

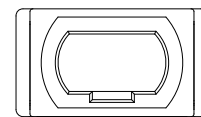
See fiber enclosure section for splice tray capacity information.

FIBER
enclosure
accessories

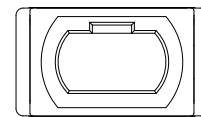


OPT-X ADAPTER PLATES

- Unique design works with Leviton's exclusive Opt-X series, including the advanced Opt-X Ultra®, as well as Opt-X 1000i, Opt-X 500i, and wall-mount Opt-X 1000
- Captive push/pull fasteners allow for quick, tool-free installation and removal
- Available in 6-, and 8-pack (12 to 24 fibers)
- Fits in all Opt-X rack-mount and wall-mount enclosures and Vertigo® panels
- Available in ST, SC, LC, and MTP®
- MTP and LC adapter plates with shutters available by special order



Key Down MTP Adapter



Key Up MTP Adapter

OPT-X ENCLOSURE DENSITY

RACK-MOUNT ENCLOSURES

1RU (for 1000i & 500i)

Holds up to 3 adapter plates
6-pk ST = up to 18 fibers
8-pk ST = up to 24 fibers
6-pk Dplx SC = up to 36 fibers
6-pk Dplx LC = up to 36 fibers
6-pk Quad LC = up to 72 fibers

2RU (for 1000i & 500i)

Holds up to 6 adapter plates
6-pk ST = up to 36 fibers
8-pk ST = up to 48 fibers
6-pk Dplx SC = up to 72 fibers
6-pk Dplx LC = up to 72 fibers
6-pk Quad LC = up to 144 fibers

3RU (for 1000i)

Holds up to 9/12 adapter plates
6-pk ST = up to 54/72 fibers
8-pk ST = up to 72/96 fibers
6-pk Dplx SC = up to 108/144 fibers
6-pk Dplx LC = up to 108/144 fibers
6-pk Quad LC = up to 216/288 fibers

3RU (for 500i)

Holds up to 12 adapter plates
6-pk ST = up to 72 fibers
8-pk ST = up to 96 fibers
6-pk Dplx SC = up to 144 fibers
6-pk Dplx LC = up to 144 fibers
6-pk Quad LC = up to 288 fibers

4RU (for 1000i)

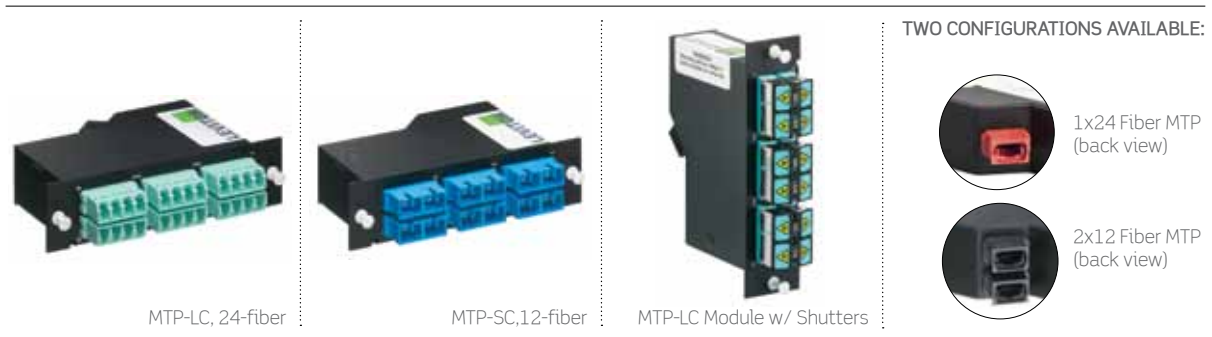
Holds up to 12/15 adapter plates
6-pk ST = up to 72/90 fibers
8-pk ST = up to 96/120 fibers
6-pk Dplx SC = up to 144/180 fibers
6-pk Dplx LC = up to 144/180 fibers
6-pk Quad LC = up to 288/360 fibers

OPT-X FIBER ADAPTER PLATES	
DESCRIPTION	PART NO.
[A] Plate (beige), 62.5 µm MM (OM1), Duplex SC, (12-fiber), zirconia ceramic sleeve	5F100-2IC
[B] Plate (black), 50 µm MM (OM2), Duplex SC, (12-fiber), zirconia ceramic sleeve	5F100-2EC
[C] Plate (aqua), 50 µm LOMM (OM3 & 4), Duplex SC, (12-fiber), zirconia ceramic sleeve	5F100-2QC
[D] Plate (blue), SM (OS1 & 2), Duplex SC, (12-fiber), zirconia ceramic sleeve	5F100-2LC
[E] Plate (green), SM/APC (OS1 & OS2), Duplex SC, (12-fiber), zirconia ceramic sleeve	5F100-2VC
[F] Plate (beige), 62.5 µm MM (OM1), Duplex LC, (12-fiber), zirconia ceramic sleeve	5F100-2IL
[G] Plate (black), 50 µm MM (OM2), Duplex LC, (12-fiber), zirconia ceramic sleeve	5F100-2EL
[H] Plate (aqua), 50 µm LOMM (OM3 & 4), Duplex LC, (12-fiber), zirconia ceramic sleeve	5F100-2QL
[I] Plate (blue), SM (OS1 & 2), Duplex LC, (12-fiber), zirconia ceramic sleeve	5F100-2LL
[J] Plate (green), SM/APC (OS1 & OS2), Duplex LC, (12-fiber), zirconia ceramic sleeve	5F100-2VL
[K] Plate (beige), 62.5 µm MM (OM1), Quad LC, (24-fiber), zirconia ceramic sleeve	5F100-4IL
[L] Plate (black), 50 µm MM (OM2), Quad LC, (24-fiber), zirconia ceramic sleeve	5F100-4EL
[M] Plate (aqua), 50 µm LOMM (OM3 & 4), Quad LC, (24-fiber), zirconia ceramic sleeve	5F100-4QL
[N] Plate (blue), SM (OS1 & 2), Quad LC, (24-fiber), zirconia ceramic sleeve	5F100-4LL
[O] Plate (black), ST MM/SM, (6-fiber), zirconia ceramic sleeve	5F100-6MT
[P] Plate (black), ST MM/SM, (8-fiber), zirconia ceramic sleeve	5F100-8MT
[Q] Plate (black), Blank	5F100-PLT
[R] 6-Pack MTP® (72-fiber), Method A and C (Key up/Key down)	5F100-6MP
6-Pack MTP (72-fiber), Method B (Key up/Key up)	5F100-6MB
8-Pack MTP (96-fiber), Method A and C (Key up/Key down)	5F100-8MP
8-Pack MTP (96-fiber), Method B (Key up/Key up)	5F100-8MB
[S] 6-Pack, QuickPort®, empty	5F100-6QP

FIBER
enclosure
accessories

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

ENCLOSURE ACCESSORIES | MTP® Modules > 12-fiber MTP



FIBER
enclosure
accessories

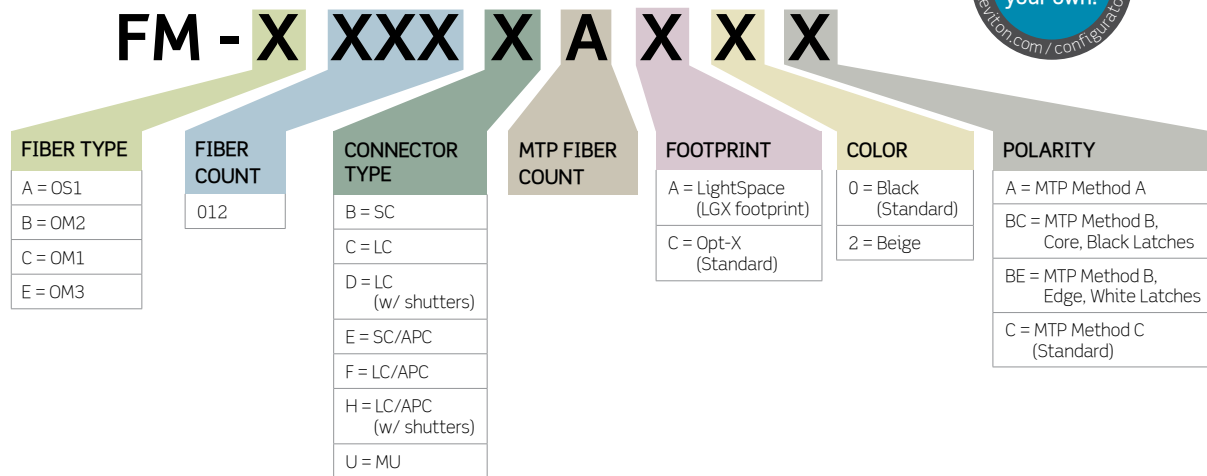
12-FIBER MTP MODULES

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

PART NUMBER CONFIGURATOR – 12-FIBER MTP PREMIUM MODULES

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

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



Modules are equipped with pinned (male) MTP connectors. Standard MTP connector terminates 12 fibers. Standard color for Opt-X and LightSpace (LGX Footprint) modules is black. Leviton Plug-n-Play 12-fiber solution follows TIA-568-C.0 Fiber Polarity guidelines. Additional MTP module configurations available. Contact inside sales at 800.722.2082 or visit www.leviton.com/configurator for more information.



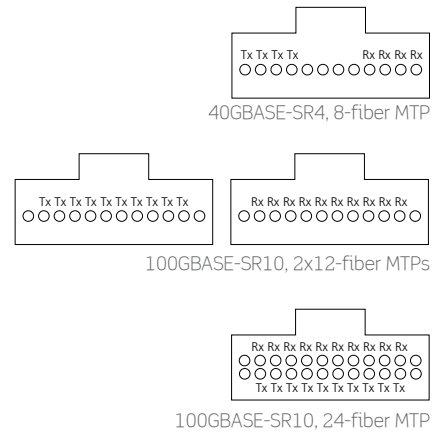
MTP-LC, 24-fiber



MTP-MTP, 24-fiber

OPT-X UNITY 40/100G MTP MODULES

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

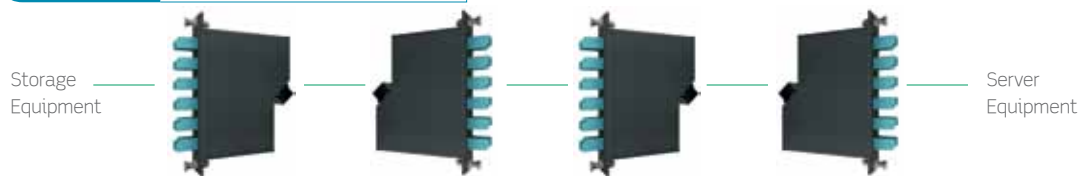


FIBER
enclosure accessories

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

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

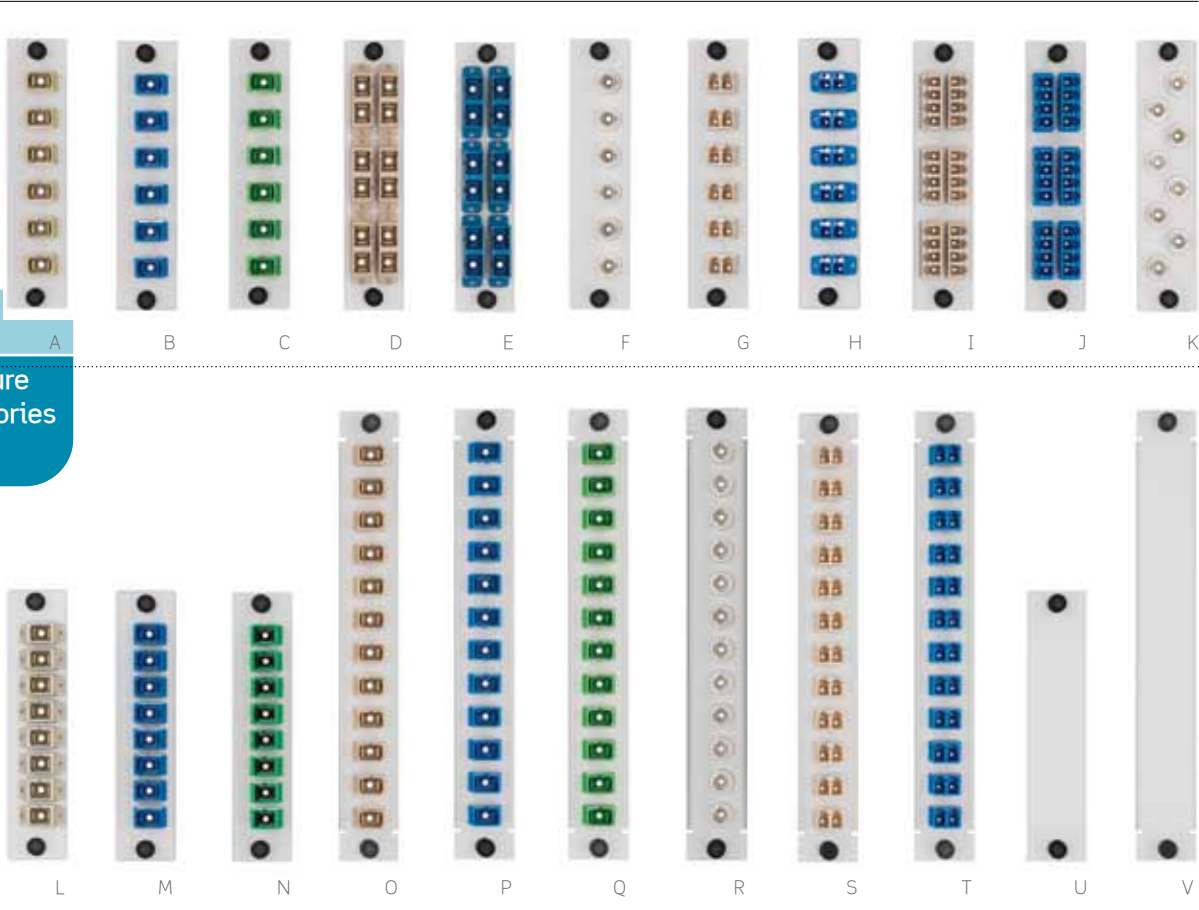
SPOTLIGHT OM3 10G Fiber Testing



Mated-pair channel tested by Intertek (ETL)

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

FIBER
enclosure
accessories



LIGHTSPACE ADAPTER PLATES

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

LIGHTSPACE RACK-MOUNT ENCLOSURE FIBER DENSITY CHART

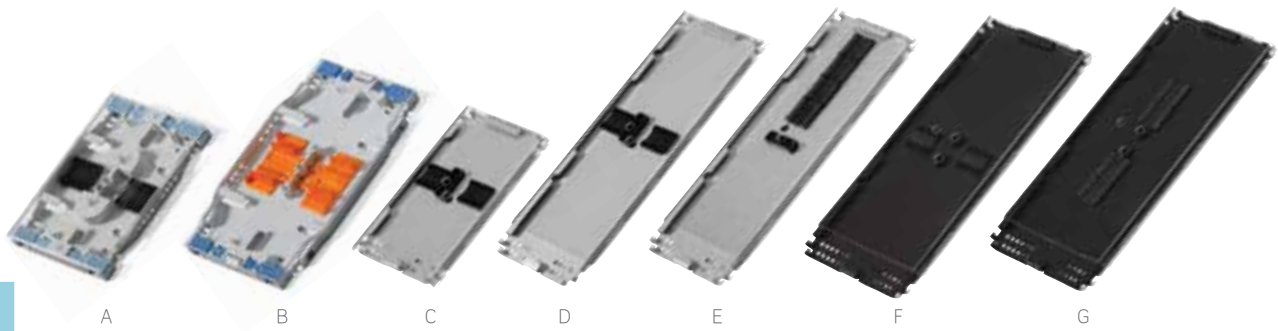
OPTICAL DISTRIBUTION ENCLOSURES		
DP/DPC 525	DP/DPC 700	DP/DPC 105
Holds up to six 6-pack or 8-pack plates 6-Packs = up to 36 fibers 8-Packs = up to 48 fibers Duplex 6-Packs = up to 72 fibers Quad 6-Packs = up to 144 fibers	Holds up to twelve 6-pack or 8-pack plates 6-Packs = up to 72 fibers 8-Packs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

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

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

LIGHTSPACE WALL-MOUNT ENCLOSURE FIBER DENSITY CHART

CUSTOMER PREMISE ENCLOSURES		
<p>CPC-12</p> <p><i>Holds up to two 6-pack or 8-pack plates</i></p> <p>6-Packs = up to 12 fibers</p> <p>8-Packs = up to 16 fibers</p> <p>Duplex 6-Packs = up to 24 fibers</p> <p>Quad 6-Packs = up to 48 fibers</p>	<p>CPC-24</p> <p><i>Holds up to four 6-pack or 8-pack plates</i></p> <p>6-Packs = up to 24 fibers</p> <p>8-Packs = up to 32 fibers</p> <p>Duplex 6-Packs = up to 48 fibers</p> <p>Quad 6-Packs = up to 96 fibers</p>	<p>CPC-48</p> <p><i>Holds up to eight 6-pack or 8-pack plates</i></p> <p>6-Packs = up to 48 fibers</p> <p>8-Packs = up to 64 fibers</p> <p>Duplex 6-Packs = up to 96 fibers</p> <p>Quad 6-Packs = up to 192 fibers</p>



FIBER
enclosure
accessories

INJECTION-MOLDED SPLICE TRAYS

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

METAL SPLICE TRAYS

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

Splice Tray Mounting Hardware Kit



ACCESSORIES

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

INJECTION-MOLDED SPLICE TRAYS

DESCRIPTION	PART NO.
[A] 12-fiber Mini, 3.74" W x 5.59" L x 0.56" H (includes 14 heat shrink splice sleeves)	T5PLS-12F
[B] 24-fiber High-Density, 4.5" W x 7.63" L x 0.50" H (includes 26 heat shrink splice sleeves)	T5PLS-24F

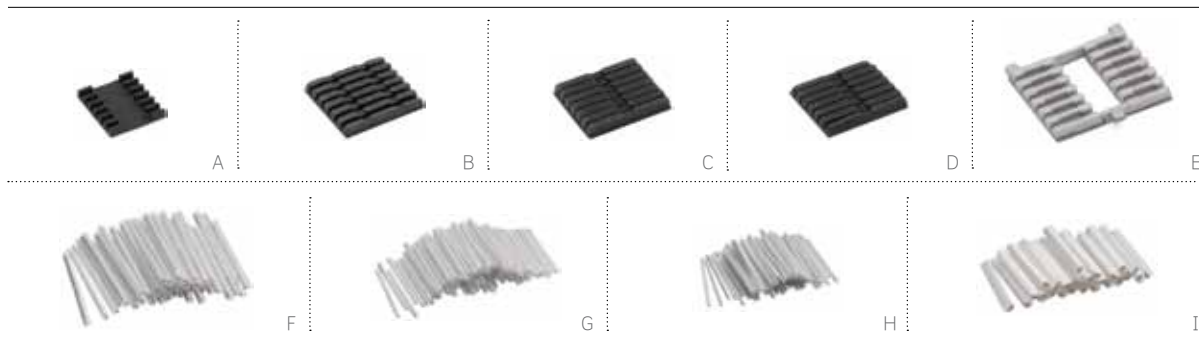
METAL SPLICE TRAYS

DESCRIPTION	HEAT SHRINK (PLASTIC)	HEAT SHRINK (FOAM)	BARE FUSION
[C] 12-fiber Mini, 4" W x 7" L x 0.35" H	T47HS-P06		T47BF-P06
12-fiber Mini, with standoff 4" W x 7" L x 0.57" H	5T000-00T		
[D] 12-fiber Standard, 4" W x 11.75" L x 0.35" H	T4LHS-P06	T4LHS-F06	T4LBF-P06
[E] 24-fiber High-Density, 4" W x 11.75" L x 0.35" H	T4LHS-P12	T4LHS-F12	T4LBF-P12
[F] 12-fiber Standard, 5" W x 11.75" L x 0.35" H	T5LHS-P06	T5LHS-F06	T5LBF-P06
[G] 24-fiber High-Density, 5" W x 11.75" L x 0.35" H	T5LHS-B12	T5LHS-F12	T5LBF-P12

RIBBON STYLE SPLICE TRAYS

DESCRIPTION	PART NO.
72-fiber Ribbon Style, quartz, 6" W x 10" L x 0.35" H	T6XRB-40Q

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



FIBER
enclosure accessories

SPLICE HOLDERS

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

FUSION SPLICE SLEEVES

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

SPLICE HOLDERS					
DESCRIPTION	PART NO.				
[A] Splice Holder, heat shrink (black plastic), 6-fiber capacity	FSHHS-P06				
Splice Holder, heat shrink (black plastic), 8-fiber capacity	FSHHS-P08				
[B] Splice Holder, heat shrink (black foam), 6-fiber capacity	FSHSL-F06				
[C] Splice Holder, mini sleeves (black foam), 6-fiber capacity	FSHMI-F06				
[D] Splice Holder, micro sleeves (black foam), 6-fiber capacity	FSHMR-F06				
Splice Holder, bare fusion, 12-fiber capacity	FSHBF-P12				
[E] Splice Holder, heat shrink (LGX® footprint), 6-fiber capacity	FSHAT-F06				
Splice Holder, ribbon, 6 position, 72-fiber capacity	FSHRB-F06				
FUSION SPLICE SLEEVES					
DESCRIPTION	STANDARD 50/PACK	SLIM 100/PACK	MINI 100/PACK	MICRO 100/PACK	RIBBON 25/PACK
Fusion Splice Sleeve, 60 mm	[F] FSSSD-060	FSSSL-060			
Fusion Splice Sleeve, 40 mm	FSSSD-040	FSSSL-040	[G] FSSMI-040	[H] FSSMR-040	
Fusion Splice Sleeve, 25 mm			FSSMI-025	FSSMR-025	
Fusion Splice Sleeve, quartz, 40 mm					[I] FSSRB-Q40

ENCLOSURE ACCESSORIES | Opt-X®



FIBER

enclosure accessories

OPT-X ACCESSORIES

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

OPT-X ULTRA® ACCESSORIES	
DESCRIPTION	PART NO.
[A] Fiber Cable Management 1/4 Ring Kit, (bag of four 1/4 rings)	5R100-14R
[B] Universal Opt-X Clamp Kit, Single Cable Grommet (for enclosure mounting)	5RCMP-KIT
Universal Opt-X Clamp Kit, Multiple Cable Grommet (for enclosure mounting)	5RCMP-KT2
[C] Universal Clamp Kit, Single and Multiple Cable Grommet (for rack mounting)	5RCMR-KIT
[D] Opt-X Ultra® Patch Cord Bend Radius Bracket (bag of two)	5PCBR-*BT
1RU 23" Rack and Cabinet Mounting Bracket	5R1RU-023
Replacement Door	5D000-*UN
Replacement Door w/ lock	5D000-*UL
Replacement Cover, plastic	5C000-RPL
Replacement Cover, metal	5CMTL-RPL
Grounding Kit	DPGRD-KIT
OPT-X 1000i & 500i ACCESSORIES	
DESCRIPTION	PART NO.
[A] Fiber Cable Management 1/4 Ring Kit (bag of four 1/4 rings)	5R100-14R
[B] Universal Opt-X Clamp Kit, Single Cable Grommet (for enclosure mounting)	5RCMP-KIT
Universal Opt-X Clamp Kit, Multiple Cable Grommet (for enclosure mounting)	5RCMP-KT2
[C] Universal Clamp Kit, Single and Multiple Cable Grommet (for rack mounting)	5RCMR-KIT
[E] Opt-X 500i Patch Cord Management Tray, 1RU	5R1UL-CMT
[F] Opt-X 500i Patch Cord Management Tray, 2/3RU	5R2UL-CMT
1RU 23" Rack and Cabinet Mounting Bracket	5R1RU-023
Lock and Key (for Opt-X 1000 Wall-mount Enclosure)	5L000-LOK
Lock and Key (for Opt-X 1000i Rack-mount Enclosure)	5L000-LAK

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

SPOTLIGHT Cable Clamp Kits



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



FIBER
enclosure accessories

LIGHTSPACE ACCESSORIES

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

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

FIBER OPTIC FAN-OUT KITS

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

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



CABLE ASSEMBLIES



FEATURED PRODUCTS

Secure Keyed LC Trunk Cables **B48**

New Opt-X® Unity 40/100G System:

Pre-terminated Trunk Cables **B44**

Harnesses **B49**

Array Cords **B52**

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



MTP-MTP (2x12)



Connector detail

MTP-MTP (1x24)

FIBER
cable assemblies

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

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

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

COLOR CODED BOOTS ON MTP



Red - 24 Fiber



Black - 12 Fiber



Gray - 8 Fiber

SPOTLIGHT Migration Path to 40G & 100G

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



10G

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



MTP

12- or 24-fiber MTP Trunk Cable



MTP



100G

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

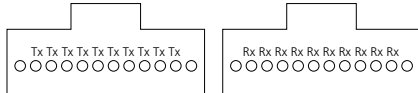


PART NUMBER CONFIGURATOR – OPT-X UNITY 40/100G MTP® TRUNK CABLES

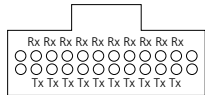
Example: **FT-EB024LL100F36C36CNYNBS**: Fiber trunk, 24-fiber laser optimized multimode plenum cable (OM3), MTP to MTP, overall length of 100 feet without breakout lengths (to 3 mm jacketed fiber) of 36" on both ends, with no pulling eye. First end termination is staggered. Second end termination is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

FOR ASSISTANCE CONFIGURING YOUR TRUNK CABLE, PLEASE CALL 800.722.2082.

FIBER
cable
assemblies



100GBASE-SR10, 2x12-fiber MTPs



100GBASE-SR10, 24-fiber MTP

NOTE:
Per IEEE802.3ba



MTP-MTP (2x12)

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

A = Riser I/O Dry Loose Tube	H = 24 F MTP (male)	001-999	F = Feet	C = 3mm Jacketed Fiber	C = 3mm Jacketed Fiber	Y = Yes
B = Plenum I/O Dry Loose Tube (Standard)	J = 24 F MTP (female)		M = Meters			N = No
C = Plenum Armor I/O Dry Loose Tube (Standard)	K = Premium 12 F MTP (male)					
J = LSZH I/O Dry Loose Tube	L = Premium 12 F MTP (female)					
CABLE TYPE	FIRST END TERMINATION	CABLE LENGTH	UNIT OF MEASURE	BREAKOUT LEG TYPE FIRST END TERMINATION	BREAKOUT LEG TYPE SECOND END TERMINATION	STAGGERED SECOND END TERMINATION

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

E = OM3	FIBER COUNT (STRANDS)	H = 24 F MTP (male)	BREAKOUT LENGTH (INCHES) FIRST END	BREAKOUT LENGTH (INCHES) SECOND END	Y = Yes	STAGGERED FIRST END TERMINATION	A = MTP Method A	S = Standard
F = OM4	012	J = 24 F MTP (female)	12-99 (Typ 36")	12-99 (Typ 36")	N = No	Y = Yes	B = MTP Method B (Standard)	C = Custom
	024	K = Premium 12 F MTP (male)				N = No	C = MTP Method C	
	036	L = Premium 12 F MTP (female)						
	048							
	072							
	096							
	144							

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

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



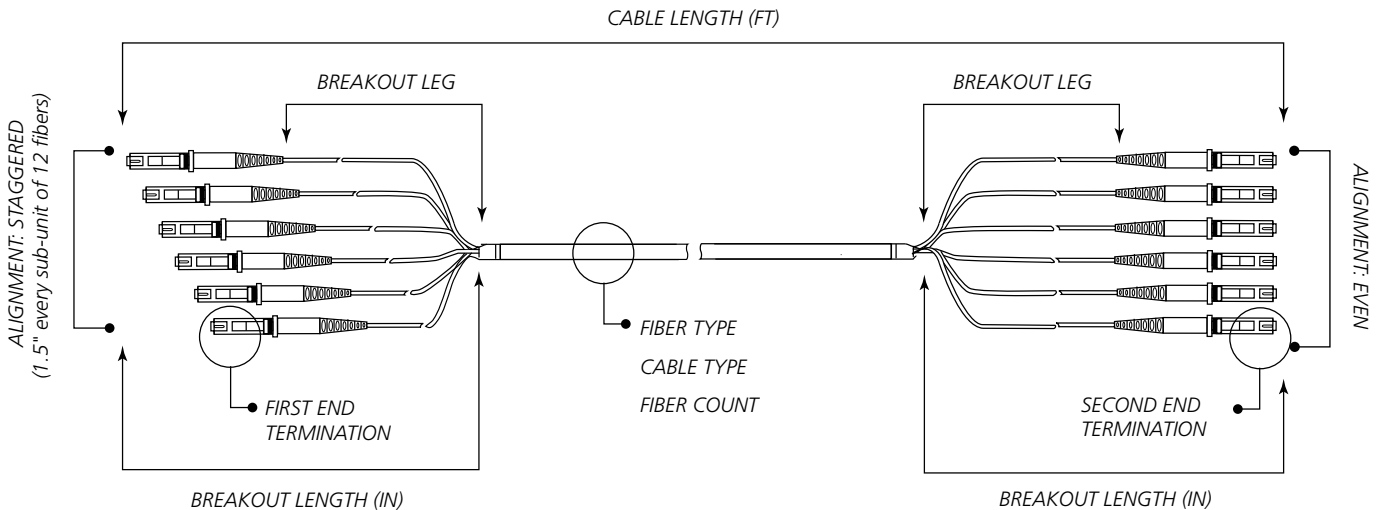
FIBER
cable assemblies

PRE-TERMINATED TRUNK CABLES

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

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

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



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

SPOTLIGHT Pulling Eye



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

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

CABLE ASSEMBLIES | Pre-terminated Trunk Cables > Standard

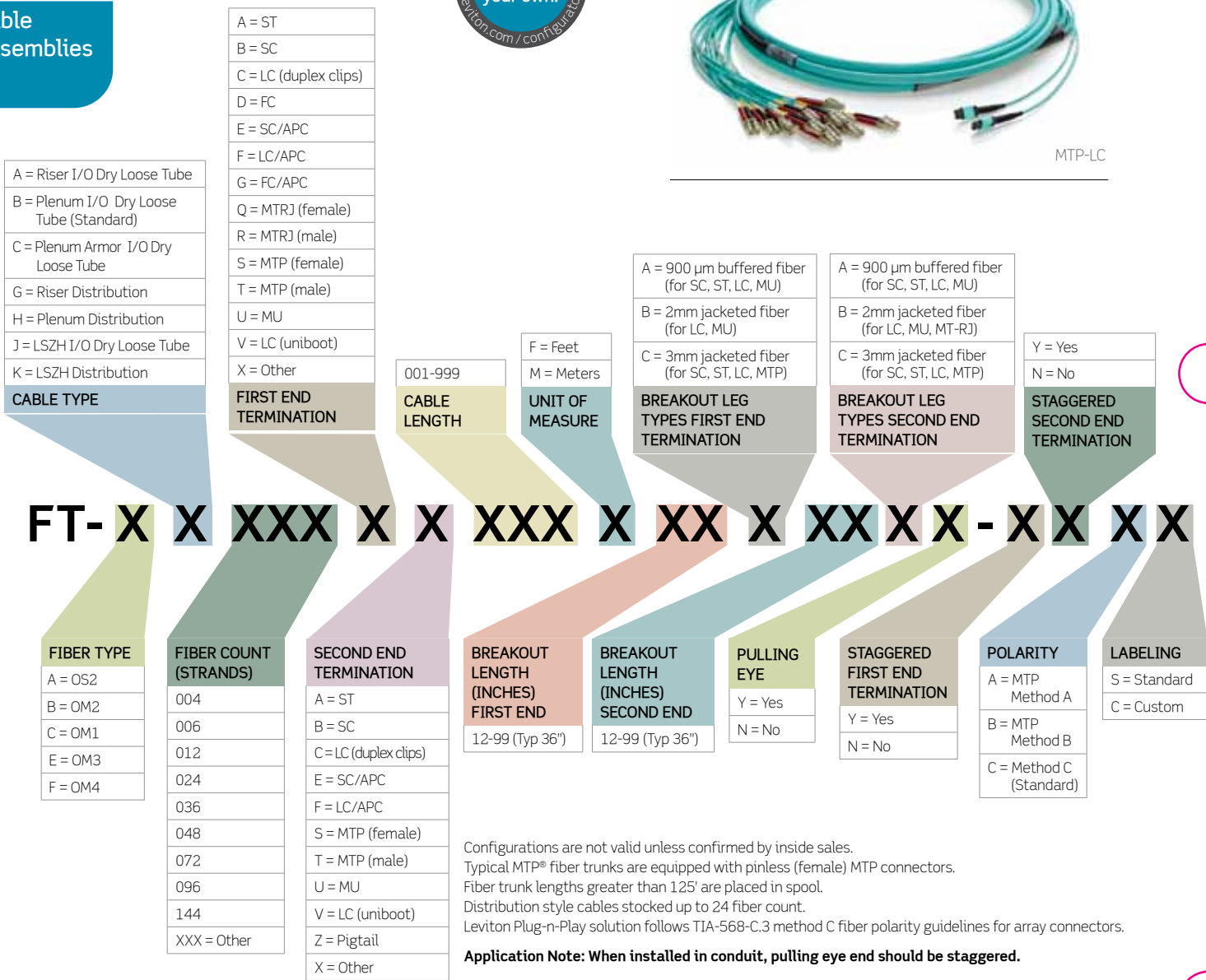
PART NUMBER CONFIGURATOR - MTP® AND DISCRETE TRUNK CABLES

Example: **FT-EB024CS150F36C36CYNBS**; Fiber trunk, 24-fiber laser optimized multimode (OM3) plenum cable, LC to MTP, overall length of 150 feet with breakout lengths (to 3 mm jacketed fiber) of 36" on both ends, with pulling eye on first end connector termination. First end termination is staggered. Second end termination is even, with MTP Method B polarity. Standard labeling.

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



FIBER
cable
assemblies



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



PRE-TERMINATED SECURE KEYED LC TRUNK CABLES

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



FIBER
cable assemblies

PART NUMBER CONFIGURATOR - SECURE KEYED LC FIBER TRUNK CABLES

Example: **FTX-EB012KK150F36C36CYNC**; Fiber trunk, 12-fiber, laser optimized multimode (OM3) plenum cable, keyed duplex LC (orange) to keyed duplex LC (orange), overall length of 150 feet with breakout lengths (to 3 mm jacketed fiber) of 36" on both ends, with pulling eye on first end connector termination. First end termination is staggered, second end termination is even. Polarity is MTP Method B. Standard labeling.

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

W = White															
Y = Yellow	A = Riser I/O Dry Loose Tube														
O = Orange	B = Plenum I/O Dry Loose Tube (Standard)														
R = Red	C = Plenum Armor I/O Dry Loose Tube (Standard)														
L = Blue	G = Riser Distribution (Standard)														
V = Green	H = Plenum Distribution														
G = Slate															
E = Black															
KEYED COLOR	CABLE TYPE	TERMINATION (FIRST END)	CABLE LENGTH	UNIT OF MEASURE	1ST BREAK-OUT LEG	2ND BREAK-OUT LEG	1ST END STAGGERED TERMINATION	POLARITY							

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

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

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

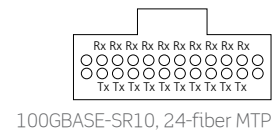
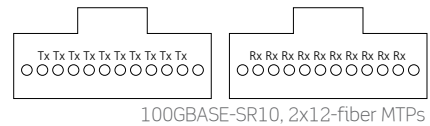
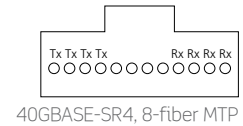
FIBER
cable assemblies



OPT-X UNITY 40/100G MTP ARRAY HARNESSSES

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

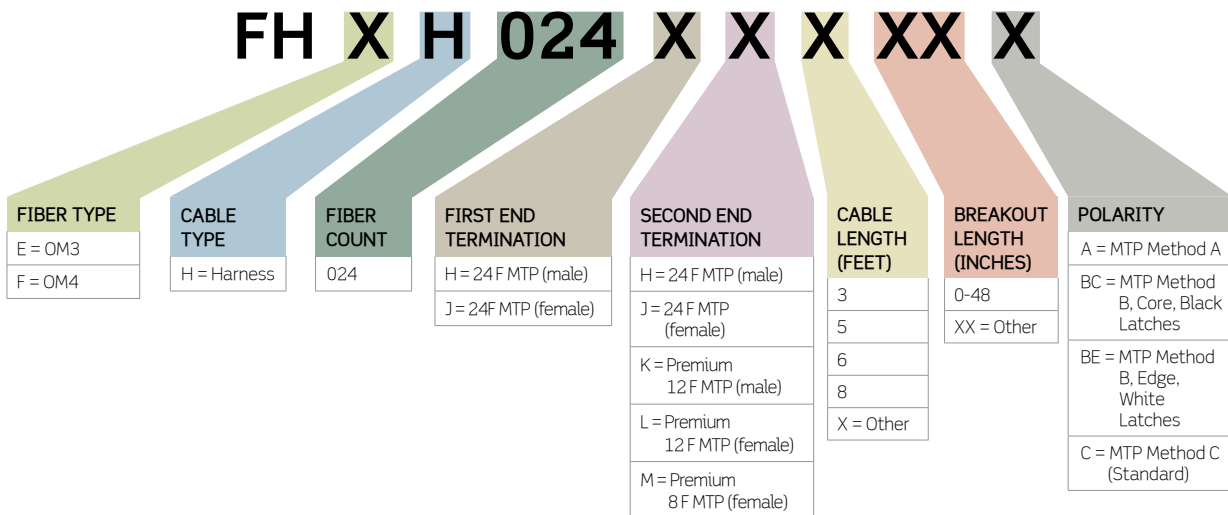
NOTE:
Per IEEE802.3ba



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

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

FOR ASSISTANCE CONFIGURING YOUR HARNESS, PLEASE CALL 800.722.2082.



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

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



MTP-LC, LOMM



MTP-SC, SM



MTP-SC, LOMM

FIBER
cable assemblies

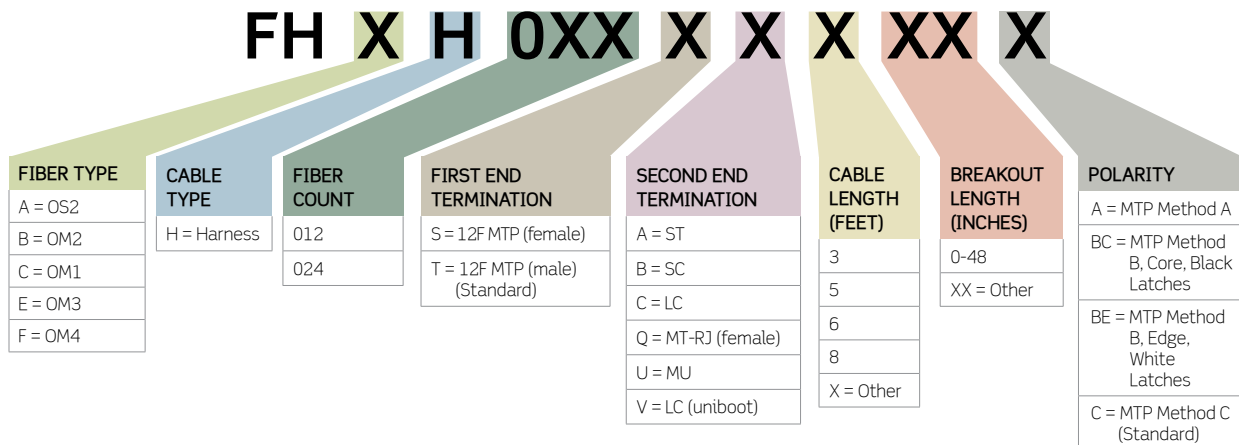
HARNESSES

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

PART NUMBER CONFIGURATOR - HARNESSES

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

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



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

SECURE KEYED LC HARNESES

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

New



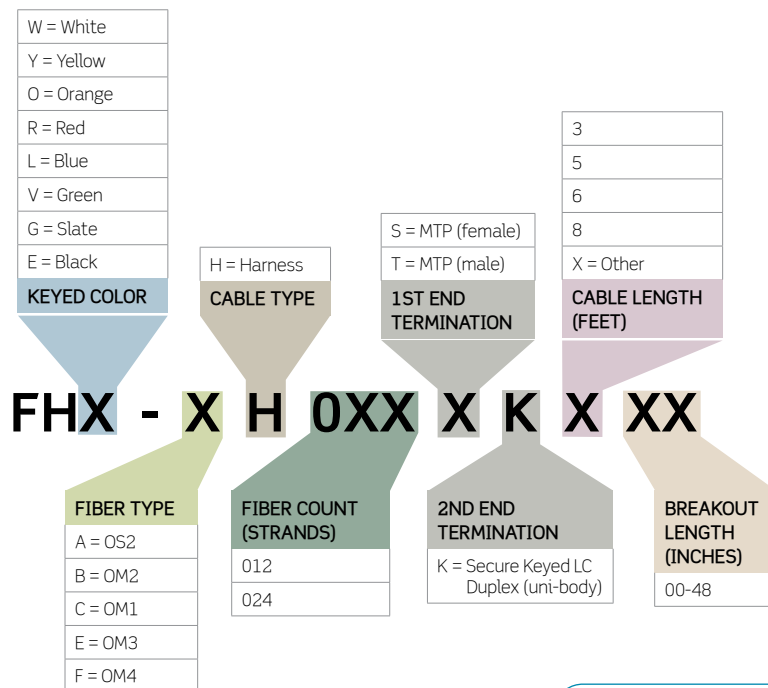
Secure Keyed MTP-LC Harness

FIBER
cable
assemblies

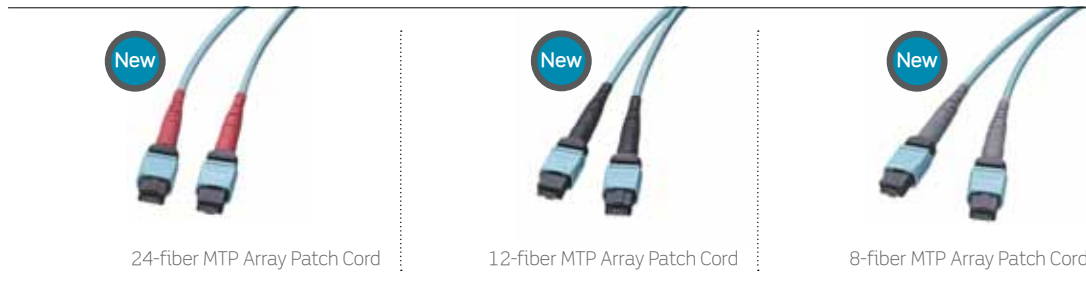
PART NUMBER CONFIGURATOR - SECURE KEYED LC MTP-LC HARNESES

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

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



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



OPT-X UNITY 40/100G MTP ARRAY CORDS

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

FIBER
cable assemblies

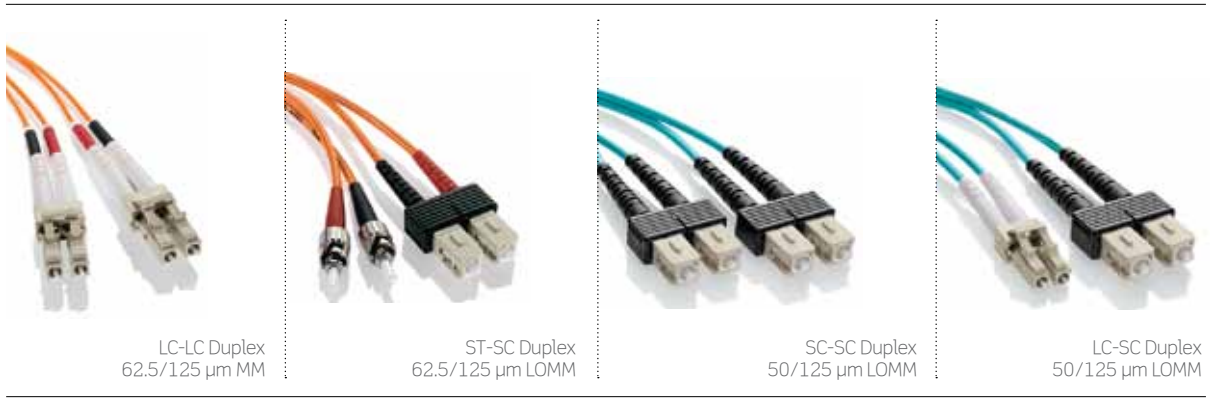
50/125 µm MULTIMODE ARRAY CORDS (OM3/OM4)	
DESCRIPTION	PART NO.
OM3 MTP-MTP, 1 meter	5L*T ⁺ -M01
OM3 MTP-MTP, 2 meters	5L*T ⁺ -M02
OM3 MTP-MTP, 3 meters	5L*T ⁺ -M03
OM3 MTP-MTP, 5 meters	5L*T ⁺ -M05
OM3 MTP-MTP, 10 meters	5L*T ⁺ -M10
OM4 MTP-MTP, 1 meter	54*T ⁺ -M01
OM4 MTP-MTP, 2 meters	54*T ⁺ -M02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

* = Fiber count. (2) = 12 fibers, (8) = 8 fibers, (4) = 24 fibers.

† = Polarity (A) = Type A
 = Polarity (B) = Type B
 = Polarity (C) = Type C

CABLE ASSEMBLIES | Multimode Patch Cords

FIBER
cable assemblies



MULTIMODE PATCH CORDS

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

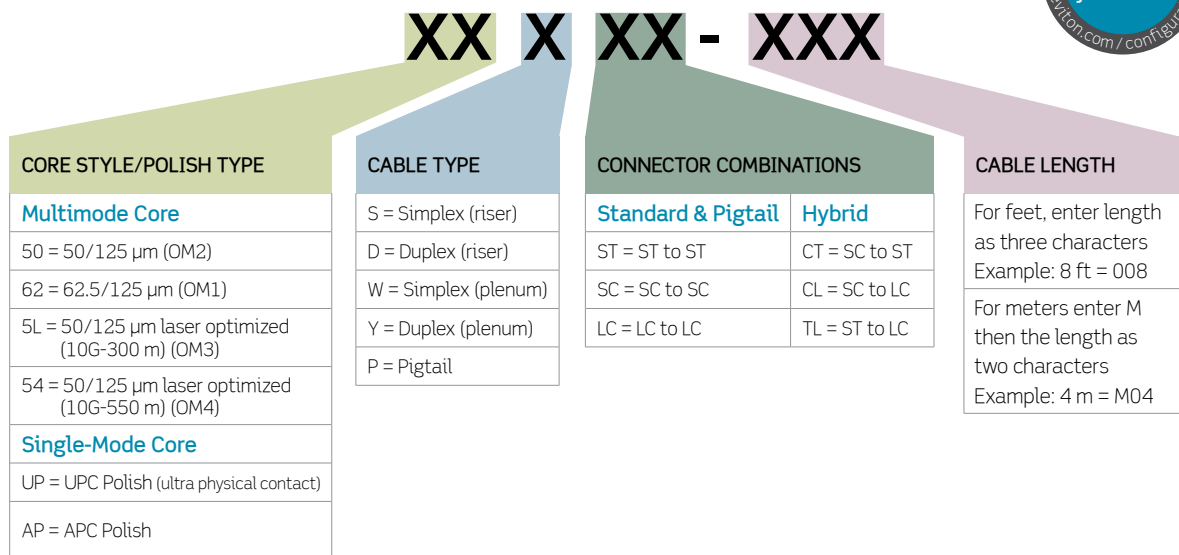
LASER OPTIMIZED PATCH CORDS

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

PART NUMBER CONFIGURATOR – CUSTOM FIBER OPTIC PATCH CORDS & PIGTAILS

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

FOR ASSISTANCE CONFIGURING YOUR CABLE ASSEMBLY, PLEASE CALL 800.722.2082.



For lengths greater than 99 meters, call inside sales for part number.

CABLE ASSEMBLIES | Multimode Patch Cords

62.5/125 μm MULTIMODE (OM1)			
DESCRIPTION	LENGTH (METERS)	DUPLEX	SIMPLEX
SC-SC	1	62DSC-M01	62SSC-M01
SC-SC	2	62DSC-M02	62SSC-M02
SC-SC	3	62DSC-M03	62SSC-M03
SC-SC	5	62DSC-M05	62SSC-M05
SC-SC	10	62DSC-M10	62SSC-M10
ST-ST	1	62DST-M01	62SST-M01
ST-ST	2	62DST-M02	62SST-M02
ST-ST	3	62DST-M03	62SST-M03
ST-ST	5	62DST-M05	62SST-M05
ST-ST	10	62DST-M10	62SST-M10
LC-LC	1	62DLC-M01	62SLC-M01
LC-LC	2	62DLC-M02	62SLC-M02
LC-LC	3	62DLC-M03	62SLC-M03
LC-LC	5	62DLC-M05	62SLC-M05
LC-LC	10	62DLC-M10	62SLC-M10
SC-ST	1	62DCT-M01	62SCT-M01
SC-ST	2	62DCT-M02	62SCT-M02
SC-ST	3	62DCT-M03	62SCT-M03
SC-ST	5	62DCT-M05	62SCT-M05
SC-ST	10	62DCT-M10	62SCT-M10
SC-LC	1	62DCL-M01	62SCL-M01
SC-LC	2	62DCL-M02	62SCL-M02
SC-LC	3	62DCL-M03	62SCL-M03
SC-LC	5	62DCL-M05	62SCL-M05
SC-LC	10	62DCL-M10	62SCL-M10

50/125 μm MULTIMODE (OM2)			
DESCRIPTION	LENGTH (METERS)	DUPLEX	SIMPLEX
SC-SC	1	50DSC-M01	50SSC-M01
SC-SC	2	50DSC-M02	50SSC-M02
SC-SC	3	50DSC-M03	50SSC-M03
SC-SC	5	50DSC-M05	50SSC-M05
SC-SC	10	50DSC-M10	50SSC-M10
ST-ST	1	50DST-M01	50SST-M01
ST-ST	2	50DST-M02	50SST-M02
ST-ST	3	50DST-M03	50SST-M03
ST-ST	5	50DST-M05	50SST-M05
ST-ST	10	50DST-M10	50SST-M10
LC-LC	1	50DLC-M01	50SLC-M01
LC-LC	2	50DLC-M02	50SLC-M02
LC-LC	3	50DLC-M03	50SLC-M03
LC-LC	5	50DLC-M05	50SLC-M05
LC-LC	10	50DLC-M10	50SLC-M10

50/125 μm LASER OPTIMIZED MULTIMODE (OM3)		
DESCRIPTION	LENGTH (METERS)	DUPLEX
SC-SC	1	5LDSC-M01
SC-SC	2	5LDSC-M02
SC-SC	3	5LDSC-M03
SC-SC	5	5LDSC-M05
SC-SC	10	5LDSC-M10
LC-LC	1	5LDLC-M01
LC-LC	2	5LDLC-M02
LC-LC	3	5LDLC-M03
LC-LC	5	5LDLC-M05
LC-LC	10	5LDLC-M10
SC-LC	1	5LDCL-M01
SC-LC	2	5LDCL-M02
SC-LC	3	5LDCL-M03
SC-LC	5	5LDCL-M05
SC-LC	10	5LDCL-M10

FIBER
cable assemblies

CABLE ASSEMBLIES | Single-mode Patch Cords



FIBER
cable
assemblies

SINGLE-MODE PATCH CORDS

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

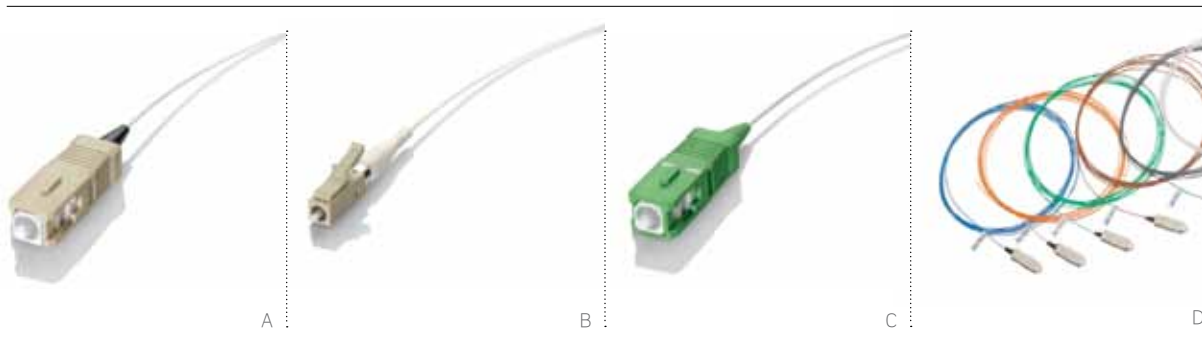


UPC SINGLE-MODE PATCH CORDS (OS1)			
DESCRIPTION	LENGTH (METERS)	DUPLEX	SIMPLEX
SC-SC	1	UPDSC-S01	UPSSC-S01
SC-SC	2	UPDSC-S02	UPSSC-S02
SC-SC	3	UPDSC-S03	UPSSC-S03
SC-SC	5	UPDSC-S05	UPSSC-S05
SC-SC	10	UPDSC-S10	UPSSC-S10
ST-ST	1	UPDST-S01	UPSST-S01
ST-ST	2	UPDST-S02	UPSST-S02
ST-ST	3	UPDST-S03	UPSST-S03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

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

SEE PAGE B53 FOR CONFIGURATOR.

Contact inside sales at 800.722.2082 for other configurations.



FIBER
cable assemblies

PIGTAIL FIBER OPTIC CABLE ASSEMBLIES

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



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

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

SEE PAGE B53 FOR CONFIGURATOR.

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

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

CABLE ASSEMBLIES | Secure Keyed LC Patch Cords & Pigtails

SECURE KEYED LC PATCH CORDS & PIGTAILS

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

FIBER

cable assemblies

New



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

SPOTLIGHT Secure Keyed LC

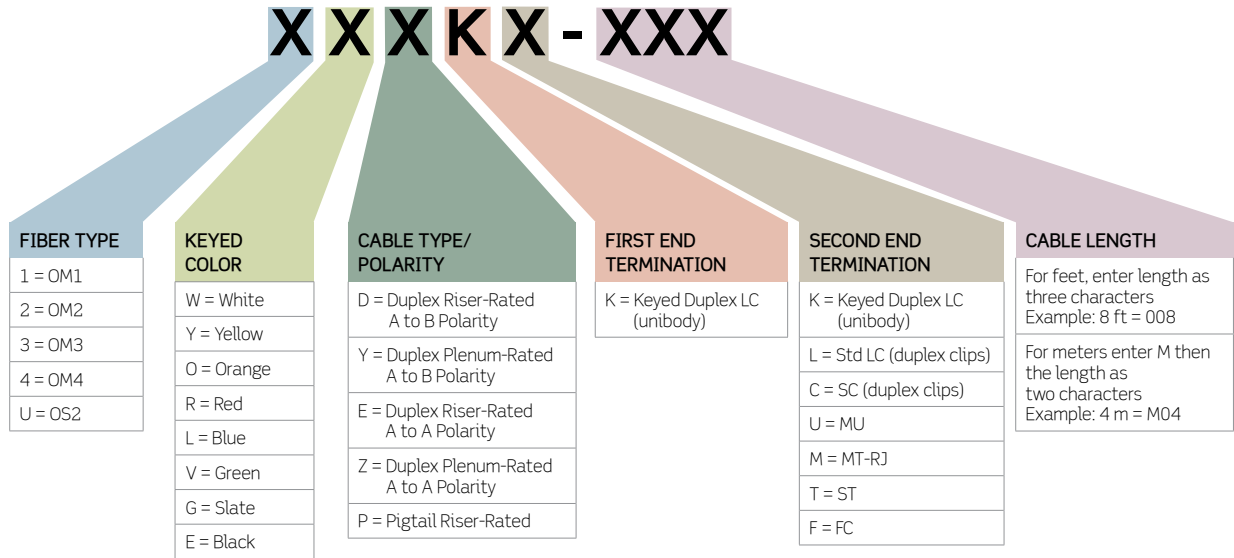


Leviton's **Secure Keyed LC Fiber System** prevents unauthorized and inadvertent changes in highly sensitive government applications such as data centers, telecommunications rooms, workstation areas, and secure IT networks, creating an ideal "lock-in" system. Once connected to a port, the locking design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

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

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

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



FIBER
cable
assemblies

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

CONNECTORS & HOUSINGS



FEATURED PRODUCTS

FastCAM®
Connectors **B60**

Secure Keyed LC
Connectors &
Accessories **B62**

New

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



FIBER
connectors & housings

FASTCAM CONNECTORS

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



FASTCAM CONNECTORS - 1 PER BAG		
DESCRIPTION	PART NO.	
[A] FastCAM SC Single-Mode Connector, blue	49991-SSC	
[B] FastCAM SC 50/125 µm Laser Optimized Multimode Connector, aqua	49991-LSC	
[C] FastCAM SC 62.5/125 µm Multimode Connector, beige	49991-MSC	
[D] FastCAM SC 50/125 µm Multimode Connector, black	49991-5SC	
[E] FastCAM ST 50/125 µm Multimode Connector, black	49991-5ST	
[F] FastCAM ST Single-Mode Connector, blue	49991-SST	
[G] FastCAM ST 62.5/125 µm Multimode Connector, beige	49991-MST	
[H] FastCAM LC Single-Mode Connector, blue	49991-SLC	
[I] FastCAM LC 50/125 µm Laser Optimized Multimode Connector, aqua	49991-LLC	
[J] FastCAM LC 62.5/125 µm Multimode Connector, beige	49991-MLC	
[K] FastCAM LC 50/125 µm Multimode Connector, black	49991-5LC	

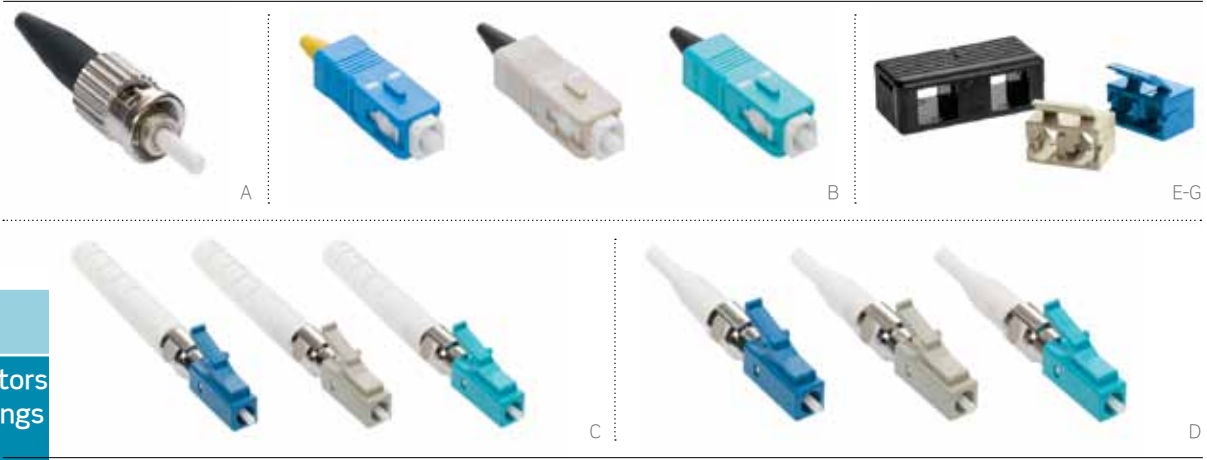
See pages B67-B72 for FastCAM tools and consumables.

SPOTLIGHT Visual Fault Locator (VFL)



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

FIBER
connectors
& housings



FAST-CURE CONNECTORS

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



FAST-CURE ADHESIVE CONNECTORS

DESCRIPTION	OS2	OM1 & OM2 MULTIMODE	OM3 & OM4 LO MULTIMODE
[A] ST Fast-Cure Connector	49990-SST	49990-MST	
[B] SC Fast-Cure Connector	49990-SSC (blue)	49990-MSC (beige)	49990-LSC (aqua)
[C] LC Fast-Cure Connector with 3 mm boot	49990-SL2 (blue)	49990-ML2 (beige)	49990-LL2 (aqua)
[D] LC Fast-Cure Connector with .9 mm boot	49990-SDL (blue)	49990-MDL (beige)	49990-LDL (aqua)

FAST-CURE ACCESSORIES

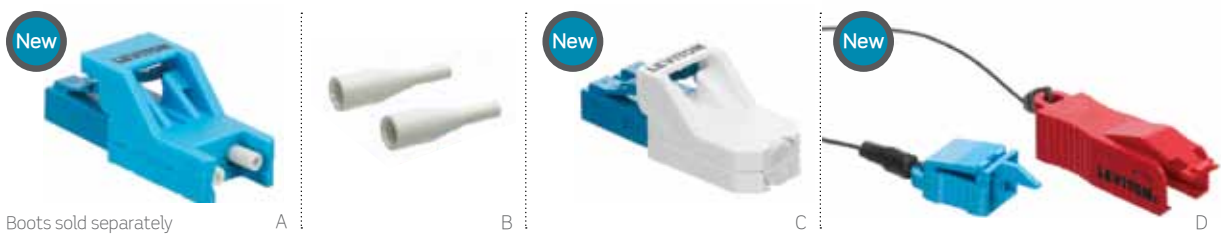
DESCRIPTION	OS2	OM1, OM2, OM3, & OM4
[E] SC Duplex Clip for Fast-Cure Connector, black (bag of 25)		49886-DSC
[F] LC Duplex Clip for Fast-Cure Connector, beige (bag of 25)		49886-DLM
[G] LC Duplex Clip for Fast-Cure Connector, blue (bag of 25)	49886-DLS	

See pages B67-B72 for Fast-Cure tools and consumables.

SPOTLIGHT Ceramic vs. Polymer Ferrules

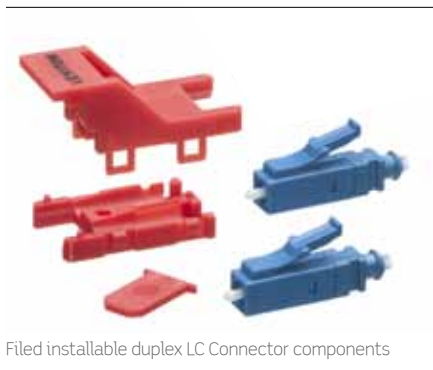


Fiber optic ferrules, which assure accurate alignment of fiber-to-fiber core interfaces, can be constructed of zirconia ceramic or polymer composites. While the two materials offer comparable performance in several areas, ceramic ferrules are superior in the key attributes of reliability (withstanding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



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

FIBER
connectors & housings



Filed installable duplex LC Connector components

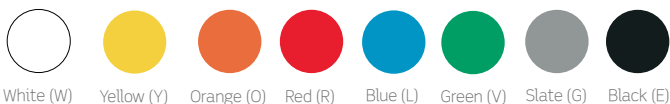
SECURE KEYED LC CONNECTORS & SYSTEM ACCESSORIES

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

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

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

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



ttt = Beige (BGE), Black (BLK), Aqua (AQU), Blue (BLU)



THREAD-LOCK CONNECTORS

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



FIBER
connectors
& housings

THREAD-LOCK CONNECTORS

DESCRIPTION	SINGLE-MODE	MULTIMODE
[A] SC Thread-Lock Connector	49884-SSC (blue)	49884-MSC (beige)
[B] ST Thread-Lock Connector	49882-SST	49882-MST

THREAD-LOCK ACCESSORIES

DESCRIPTION	PART NO.
[C] Silicon Build-Up Sleeve Kit, includes one of each type of sleeve (bag of 10)	49885-SBS
[D] SC Duplex Clip for Thread-Lock Connector, black (bag of 25)	49884-DPC
Retention Nylon Sleeve (bag of 10)	49885-SLV

See pages B67-B72 for Thread-Lock tools and consumables.

QUICKPORT FIBER ADAPTERS

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



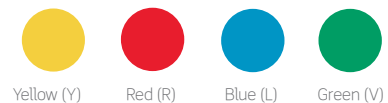
QUICKPORT FIBER ADAPTERS

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

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



ML (C) and SL (D) part numbers also available in:





FIBER
connectors
& housings

QUICKPORT WALLPLATES

- Compatible with all QuickPort connectors and adapters
- UL Listed, fire-retardant material rated UL 94V-0
- Manufactured from high-quality ABS plastic which provides superior resistance to impacts, chemicals, and solvents as compared to other plastics
- Midsize plates, made of smooth-finish nylon, hide irregular drywall cuts and flaws

[A] QUICKPORT ANGLED SINGLE-GANG WALLPLATES						
DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK	BROWN
4-Port Wallplate	41081-4WP	41081-4TP	41081-4IP			
2-Port Wallplate	41081-2WP	41081-2TP	41081-2IP			
4-Port Wallplate w/ ID window	42081-4WS	42081-4TS	42081-4IS			
2-Port Wallplate w/ ID window	42081-2WS	42081-2TS	42081-2IS			
[B] QUICKPORT MIDSIZE SINGLE-GANG WALLPLATES						
DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK	BROWN
6-Port Wallplate	41091-6WN	41091-6TN	41091-6IN			41091-6BN
4-Port Wallplate	41091-4WN	41091-4TN	41091-4IN			41091-4BN
3-Port Wallplate	41091-3WN	41091-3TN	41091-3IN			41091-3BN
2-Port Wallplate	41091-2WN	41091-2TN	41091-2IN			41091-2BN
1-Port Wallplate	41091-1WN	41091-1TN	41091-1IN			41091-1BN
[C] QUICKPORT DUAL-GANG WALLPLATES WITH ID WINDOWS						
DESCRIPTION	WHITE	LT. ALMOND	IVORY	GREY	BLACK	BROWN
12-Port Wallplate	42080-12W	42080-12T	42080-12I	42080-12G	42080-12E	
8-Port Wallplate	42080-8WP	42080-8TP	42080-8IP	42080-8GP	42080-8EP	
6-Port Wallplate	42080-6WP	42080-6TP	42080-6IP	42080-6GP	42080-6EP	
4-Port Wallplate	42080-4WP	42080-4TP	42080-4IP	42080-4GP	42080-4EP	
3-Port Wallplate	42080-3WP	42080-3TP	42080-3IP	42080-3GP	42080-3EP	
2-Port Wallplate†	42080-2WP	42080-2TP	42080-2IP	42080-2GP	42080-2EP	
1-Port Wallplate†	42080-1WP	42080-1TP	42080-1IP	42080-1GP	42080-1EP	

See pages A44-A46 in the Copper section for Leviton's complete selection of QuickPort wallplates.

† = Dual-Gang 1- and 2-Port wallplates only have two ID windows on top.





FIBER
connectors
& housings

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

FIBER INSERTS FEATURES:

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

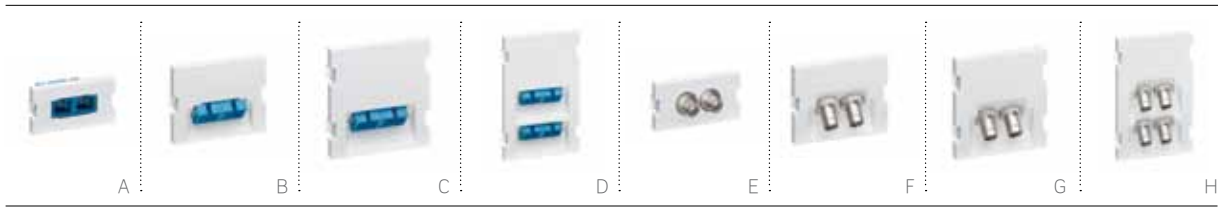
See pages A41-A42 for copper and A/V MOS products.



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

See color swatches on page B66.

CONNECTORS & HOUSINGS | Multimedia Outlet System (MOS)

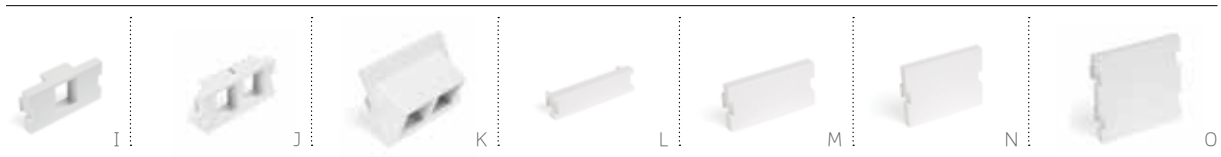


MOS FIBER INSERTS

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

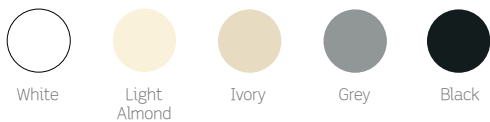
FIBER
connectors
& housings

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



MOS QUICKPORT® ADAPTERS & BLANK MODULES

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



For LC adapters, use QuickPort modules above and LC adapters on page B63.

TOOLS & CONSUMABLES



FEATURED PRODUCTS

New

Connector Cleaning Tools **B71**

Visual Fault Locator (VFL) **B71**

LYNX Cleaver **B71**

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



VISUAL FAULT LOCATOR (VFL)

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



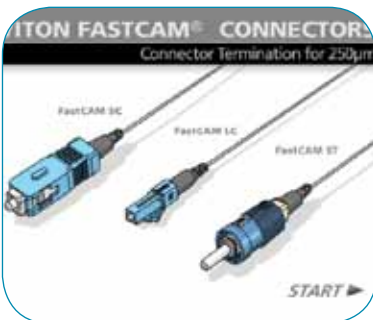
LEVITON 200X INSPECTION SCOPES

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



FASTCAM® TERMINATION TOOLS

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



ONLINE TRAINING VIDEOS & ANIMATIONS

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

FIBER

tools & consumables



A



B



C



D

FIBER OPTIC LIGHT TOOL KIT

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

FIBER OPTIC THREAD-LOCK TOOL KIT

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

FIBER OPTIC FAST-CURE TOOL KIT

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

FIBER OPTIC FASTCAM® TOOL KIT

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

Consumables sold separately, see page B72.

FIBER OPTIC TOOL KITS CONTENTS

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

FIBER
tools &
consumables

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

Individual consumables available on page B72.

TOOLS & CONSUMABLES | Fiber Optic Tools

FIBER
tools & consumables



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

THREAD-LOCK [®] SPECIFIC TOOLS	
DESCRIPTION	PART NO.
ST/SC Combination Tightening Tool	49886-CTT
Versa-Cleave [®] Tool	49886-TVC
FASTCAM [®] SPECIFIC TOOLS	
DESCRIPTION	PART NO.
[I] Work Tray	49886-LNT
[J] Gooseneck LED	49886-LGN
[K] LYNX Cleaver	49886-LNX
[L] Fujikura CT-30A Cleaver	49886-CTA
[M] Visual Fault Locator (VFL) (2.5 and 1.25 mm adapters included)	49886-VFL
Replacement 1.25 mm Adapter for VFL	49886-FLA



FIBER
tools & consumables

UNIVERSAL CONSUMABLES KIT

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

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

ADHESIVE/ACCELERATOR KIT

Set includes:

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

FAST-CURE® CONSUMABLES KIT

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

- 25 syringes
- 25 needles
- Adhesive and accelerator

FAN-OUT CONSUMABLES KIT

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

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

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

FIBER CABLES



Leviton's fiber optic cable products come in many types of glass from SM to OM3/OM4 Fiber and from Indoor to Indoor/Outdoor Armored applications to support your highend Fiber applications for the structured cabling.



APPLICATION

The structure is 1-12 colored fibers combined with two fiberglass reinforced plastic strength members, which can protect the fiber inside by providing sufficient tensile strength and good resistance to lateral crushing.

- For indoor horizontal and vertical cabling
- For indoor cabling under carpet and along corners.

FEATURES

- Special low-bend-sensitivity fiber provides high bandwidth and excellent communication transmission properties
- Two parallel strength members ensure good performance of crush resistance to protect the fiber
- Simple structure, light weight and high practicability
- Novel fluted design, easily strips and splices, simplifying the installation and maintenance
- LSZH jacket in white color for indoor use
- Designed for Etisalat and Du FTTH applications



Standards Compliance

IEC 60794

FIBER
cables

CONSTRUCTION		
Style	FTTH-2-Core	Item
Fiber	Material	Single mode G.652.D/G.657.A-B
	Mode field diameter	(8.6-9.5) ± 0.5 μm
	Cladding diameter	125 ± 1 μm
	Core/cladding concentricity error	< 0.8 μm
	Coating diameter	245 ± 10 μm
	Cladding non-circularity	< 2.0 %
Color fiber	Diameter	260 μm
	Error	± 10 μm
	Color	Yellow, Blue
FRP	Material	FRP
	Specification	φ 0.5 mm
	Quantities	2 pcs
Jacket	Material	LSZH
	Outer diameter	(2.0 ± 0.2)*(3.1 ± 0.3) mm
	Color	White
Marking	Optical fiber cable 2C 9/125 2.0X3 MM LSZH *M	
Cable Weight	9 Kg/Km	

SPECIFICATIONS		
Tensile strength (short term)	60N	
Tensile strength (long term)	30N	
Max Attenuation	1310 nm	< 0.40 (dB/km)
Group index of refraction at 1310 nm	1550 nm	< 0.30 (dB/km)
Installation Temperature	-15 °C to +50 °C	
Operation Temperature	-40 °C to +70 °C	
Bending radius	30 mm (dynamic)	
	15 mm (static)	

SPECIFICATIONS	
DESCRIPTION	PART NO.
FTTH Cable	SMFTH-02x

FIBER CABLES | 2-24 Indoor Distribution LSZH Fiber Cable

APPLICATION

- As backbone in LAN's
- For premises wiring
- Indoor and outdoor

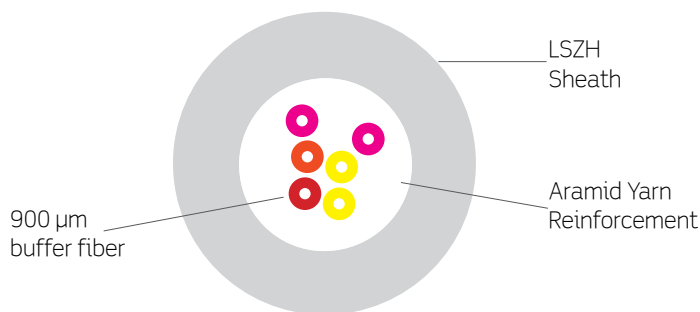
STANDARDS COMPLIANCE

EN 187 000, IEC 60794-2, IEC 60794-2-20

ISO 11801 2nd edition, EN 50 173-1

ITU G.652.A/B/C/D for SM (low water peak)

ITU G.657.A/B for SM (enhanced bend insensitive)



CONSTRUCTION

Fiber	2-24 tightly buffered fibers, 900 µm / 50 µm
Strength member	Ultra high modulus Aramid yarns
Sheath	1.1 mm LSZH fire retardant, UV stabilized, EN 50290-2-27

FIRE RATING

IEC 60332-1-2	Single vertical wire test
IEC 60332-3-24 / IEC 332-3C	Vertically-mounted bunched wires and cables (cable with up to 12 fibers)
IEC 60754-1	No halogens
IEC 60754-2	No acid matters
IEC 61034-2	No dense smoke

PHYSICAL PROPERTIES

Permanent tensile strength	2, 4, 6, 8 fibers	280 N
	12, 16 fibers	340 N
	24 fibers	400 N
Short term tensile strength (some days)	2, 4, 6, 8 and 16 fibers	560 N
	12, 16 fibers	680 N
	24 fibers	800 N
Compressive strength (crush)	3000 N/100 mm	
Impact	20 J	
Torsion	5 cycles ± 1 turn	
Temperature	Operation and installation: -20 °C to 70 °C Storage: -40 °C to 70 °C	

MECHANICAL PROPERTIES

FIBER COUNT	NOMINAL DIAMETER	NOMINAL CABLE WEIGHT	MINIMUM BENDING RADIUS LONG TERM/SHORT TERM
2	4.5 mm	21 kg/km	100/50 mm
4	5 mm	26 kg/km	100/50 mm
6	5.5 mm	30 kg/km	100/50 mm
8	6 mm	35 kg/km	100/50 mm
12	6.5 mm	45 kg/km	130/75 mm
16	7 mm	50 kg/km	130/75 mm
24	8 mm	65 kg/km	230/115 mm

TRANSMISSION CHARACTERISTICS

50/125 µm OM2 MULTIMODE (Orange Jacket color)

Attenuation (of cable with fibers)

Maximum value of cable at 850 nm	< 2.7 dB/km
Maximum value of cable at 1300 nm	< 0.8 dB/km
Typical value at 850 nm	< 2.5 dB/km
Typical value at 1300 nm	< 0.6 dB/km
Inhomogeneity of OTDR trace for any two 1000 meter fiber lengths	Max. 0.2 dB/km

Bandwidth

850 nm	600 MHz • km
1300 nm	1200 MHz • km
Group index of refraction at 850 nm	1.482
Group index of refraction at 1300 nm	1.477

50/125 µm (Aqua Jacket Color)	OM3 MULTIMODE	OM4 MULTIMODE
-------------------------------	---------------	---------------

Attenuation

Maximum value of cable at 850 nm	< 3.0 dB/km	< 2.3 dB/km
Maximum value of cable at 1300 nm	< 1.0 dB/km	< 0.6 dB/km
Maximum value of fiber (for reference only) at 850 nm	< 2.5 dB/km	< 2.1 dB/km
Maximum value of fiber (for reference only) at 1300 nm	< 0.7 dB/km	< 0.4 dB/km
Inhomogeneity of OTDR trace for any two 1000 meter fiber lengths	Max. 0.1 dB/km	Max. 0.1 dB/km

Bandwidth

OFL value at 850 nm	< 1500 MHz • km	< 3500 MHz • km
OFL value at 1300 nm	< 500 MHz • km	< 500 MHz • km
Effective Modal Bandwidth (EMB)	< 2000 MHz • km	< 4,700 MHz • km
Group index of refraction at 850 nm	1.482	1.482
Group index of refraction at 1300 nm	1.477	1.477

OS1/OS2 SINGLE-MODE (Yellow Jacket Color)

Attenuation

1310 nm -1625 nm	< 0.39 dB/km
1550 nm	< 0.25 dB/km
Inhomogeneity of OTDR trace for any two 1000 meter fiber lengths	Max. 0.1 dB/km

Bandwidth

Group index of refraction at 1310 nm	1.467
Group index of refraction at 1550 nm	1.468
Group index of refraction at 1625 nm	1.468

PART NUMBERS

DESCRIPTION	PART NO.
50/125 µm (OM2) Multimode Indoor Distribution LSZH Cable, Orange	50DRZ-yy1
50/125 µm (OM3) Multimode Indoor Distribution LSZH Cable, Aqua	5LDRZ-yy1
50/125 µm (OM4) Multimode Indoor Distribution LSZH Cable, Aqua	55DRZ-yy1
9/125 µm (OS1/OS2) Single-Mode Indoor Distribution LSZH Cable, Yellow	SMDRZ-yy1

yy= fiber count: (02) 2 fibers; (04) 4 fibers; (06) 6 fibers; (08) 8 fibers; (12) 12 fibers; (16) 16 fibers; (24) 24 fibers

Note: All packaging is 1,000 meter drum reel. Other lengths available upon request.

62.5/125 µm (OM1) multimode cable available upon request



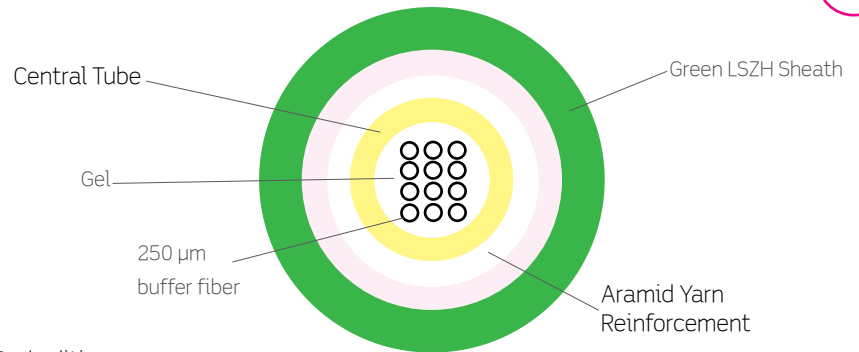
FIBER CABLES | 2-24 Indoor/Outdoor Central Loose Tube LSZH Fiber Cable

APPLICATION

LAN backbones
Telecom access lines
Campus networks

STANDARDS COMPLIANCE

EN 50173-1:2002, IEC 60794-1, ISO 11801 2nd edition
ITU G.652.A/B/C/D for SM (low water peak)
ITU G.657.A/B for SM (enhanced bend insensitive)



CONSTRUCTION

Loose Tube	ø2.8 mm jelly filled loose tube with 2-16 fibers; ø3.5 mm loose tube with 24 fibers
Strength member	Waterblocked E-Glass fiber elements
Armoring	1.5 mm green FireBur sheath, UV stabilized, IEC 50290-2-27

FIRE RATING

IEC 60332-1-2	Single vertical wire test
IEC 60754-1	No halogens
IEC 60754-2	No acid matters
IEC 61034-2	No dense smoke

PHYSICAL PROPERTIES

Nominal outer diameter	2-16 fibers: 7.5 mm 24 fibers: 8.0 mm
Nominal weight	24 fibers: 60 kg/km 2-16 fibers: 55 kg/km
Maximum installation tensile strength	1500 N (fiber strain less than 1/2 of proof test level)
Short term tensile strength	1000 N (fiber strain less than 1/3 of proof test level)
Permanent tensile strength	700 N (no attenuation change, fiber strain less than 1/4 of proof test level)
Compressive strength (crush)	2000 N
Impact	20 Nm (no attenuation change, no broken cable elements)
Torsion	5 cycles ± 1 turn
Kink	The cables do not form a kink when a loop is drawn together to a diameter of 200 mm
Min. bending radius, unloaded	R=60 mm
Min. bending radius, loaded	R=110 mm
Temperature	Storage: -40 °C to 60 °C (short term up to 70 °C) Installation: -15 °C to 40 °C Operation: -30 °C to 70 °C
Water penetration	No water on free end

TRANSMISSION CHARACTERISTICS	
50/125 µm OM2 MULTIMODE	
Attenuation (of cable with fibers)	
Maximum value of cable at 850 nm	< 2.7 dB/km
Maximum value of cable at 1300 nm	< 0.8 dB/km
Typical value at 850 nm	< 2.5 dB/km
Typical value at 1300 nm	< 0.6 dB/km
Inhomogeneity of OTDR trace for any two 1000 meter fiber lengths	Max. 0.2 dB/km
Bandwidth	
850 nm	600 MHz • km
1300 nm	1200 MHz • km
Group index of refraction at 850 nm	1.482
Group index of refraction at 1300 nm	1.477

50/125 µm	OM3 MULTIMODE	OM4 MULTIMODE
Attenuation		
Maximum value of cable at 850 nm	< 3.0 dB/km	< 2.3 dB/km
Maximum value of cable at 1300 nm	< 1.0 dB/km	< 0.6 dB/km
Maximum value of fiber (for reference only) at 850 nm	< 2.5 dB/km	< 2.1 dB/km
Maximum value of fiber (for reference only) at 1300 nm	< 0.7 dB/km	< 0.4 dB/km
Inhomogeneity of OTDR trace for any two 1000 meter fiber lengths	Max. 0.1 dB/km	Max. 0.1 dB/km
Bandwidth		
OFL value at 850 nm	< 1500 MHz • km	< 3500 MHz • km
OFL value at 1300 nm	< 500 MHz • km	< 500 MHz • km
Effective Modal Bandwidth (EMB) Effective Modal Bandwidth	< 2000 MHz • km	< 4,700 MHz • km
Group index of refraction at 850 nm	1.482	1.482
Group index of refraction at 1300 nm	1.477	1.477

9/125 µm OS1/OS2 SINGLE-MODE	
Attenuation	
1310 nm -1625 nm	< 0.39 dB/km
1550 nm	< 0.25 dB/km
Inhomogeneity of OTDR trace for any two 1000 meter fiber lengths	Max. 0.1 dB/km
Bandwidth	
Group index of refraction at 1310 nm	1.467
Group index of refraction at 1550 nm	1.468
Group index of refraction at 1625 nm	1.468

PART NUMBERS	
DESCRIPTION	PART NO.
50/125 µm (OM2) Multimode Indoor/Outdoor Loose LSZHCable	50LRZ-yy1
50/125 µm (OM3) Multimode Indoor/Outdoor Loose LSZH Cable	5LLRZ-yy1
50/125 µm (OM4) Multimode Indoor/Outdoor Loose LSZH Cable	55LRZ-yy1
9/125 µm (OS1/OS2) Single-Mode Indoor/Outdoor Loose LSZH Cable	SMLRZ-yy1

yy= fiber count: (02) 2 fibers; (04) 4 fibers; (06) 6 fibers; (08) 8 fibers; (12) 12 fibers; (16) 16 fibers; (24) 24 fibers

Note: All packaging is 1,000 meter drum reel. Other lengths available upon request.

62.5/125 µm (OM1) multimode cable is available upon request.

Fiber count higher than 24 available upon request

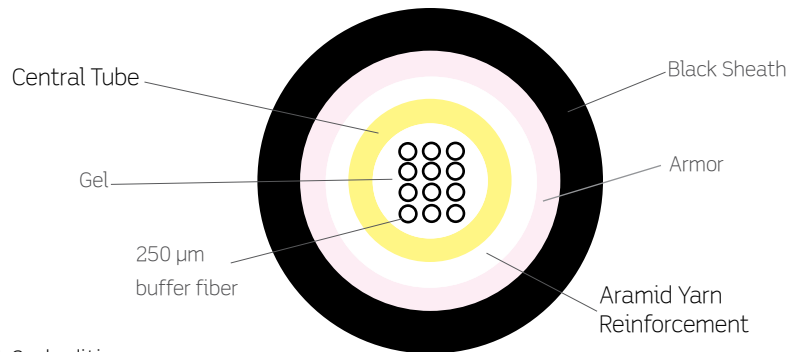


APPLICATION

LAN backbones
 Outdoor direct burial
 Tunnels
 Conduits

STANDARDS COMPLIANCE

EN 50173-1:2002, IEC 60794-1, ISO 11801 2nd edition
 ITU G.652.A/B/C/D for SM (low water peak)
 ITU G.657.A/B for SM (enhanced bend insensitive)



CONSTRUCTION	
Loose Tube	ø2.8 mm jelly filled loose tube with 2-16 fibers; ø3.5 mm loose tube with 24 fibers
Strength member	E-Glass yarns
Armoring	0.15 mm corrugated steel tape
Sheath	1.5 mm black MDPE sheath with red stripe, IEC 60811, IEC 60708

PHYSICAL PROPERTIES	
Nominal outer diameter	2-16 fibers: 8.5 mm 18-24 fibers: 9.5 mm
Nominal weight	2-16 fibers: 75 kg/km 18-24 fibers: 80 kg/km
Tensile strength (dynamic)	1000 N
Tensile strength (permanent)	500 N
Compressive strength (crush)	2000 N
Impact	10 nm
Torsion	5 cycles ± 1 turn
Kink	The cables do not form a kink when a loop is drawn together to a diameter of 100 mm
Min. bending radius, unloaded	R=55 mm
Min. bending radius, loaded	R=110 mm
Temperature	Storage and installation: -40 °C to 70 °C Operation: -40 °C to 70 °C

FIBER
cables

TRANSMISSION CHARACTERISTICS

50/125 µm OM2 MULTIMODE	
Attenuation (of cable with fibers)	
Maximum value of cable at 850 nm	< 2.7 dB/km
Maximum value of cable at 1300 nm	< 0.8 dB/km
Typical value at 850 nm	< 2.5 dB/km
Typical value at 1300 nm	< 0.6 dB/km
Inhomogeneity of OTDR trace for any two 1000 meter fiber lengths	Max. 0.2 dB/km
Bandwidth	
850 nm	600 MHz • km
1300 nm	1200 MHz • km
Group index of refraction at 850 nm	1.482
Group index of refraction at 1300 nm	1.477

50/125 µm	OM3 MULTIMODE	OM4 MULTIMODE
Attenuation		
Maximum value of cable at 850 nm	< 3.0 dB/km	< 2.3 dB/km
Maximum value of cable at 1300 nm	< 1.0 dB/km	< 0.6 dB/km
Maximum value of fiber (for reference only) at 850 nm	< 2.5 dB/km	< 2.1 dB/km
Maximum value of fiber (for reference only) at 1300 nm	< 0.7 dB/km	< 0.4 dB/km
Inhomogeneity of OTDR trace for any two 1000 meter fiber lengths	Max. 0.1 dB/km	Max. 0.1 dB/km
Bandwidth		
OFL value at 850 nm	< 1500 MHz • km	< 3500 MHz • km
OFL value at 1300 nm	< 500 MHz • km	< 500 MHz • km
Effective Modal Bandwidth (EMB)	< 2000 MHz • km	< 4,700 MHz • km
Group index of refraction at 850 nm	1.482	1.482
Group index of refraction at 1300 nm	1.477	1.477

9/125 µm OS1/OS2 SINGLE-MODE

Attenuation	
1310 nm -1625 nm	< 0.39 dB/km
1550 nm	< 0.25 dB/km
Inhomogeneity of OTDR trace for any two 1000 meter fiber lengths	Max. 0.1 dB/km
Bandwidth	
Group index of refraction at 1310 nm	1.467
Group index of refraction at 1550 nm	1.468
Group index of refraction at 1625 nm	1.468

PART NUMBERS

DESCRIPTION	PART NO.
50/125 µm (OM2) Multimode Outdoor Loose Armor Cable	50LAZ-yy2
50/125 µm (OM3) Multimode Outdoor Loose Armor Cable	5LLAZ-yy2
50/125 µm (OM4) Multimode Outdoor Loose Armor Cable	55LAZ-yy2
9/125 µm (OS1/OS2) Single-Mode Outdoor Loose Armor Cable	SMLAZ-yy2

yy= fiber count: (02) 2 fibers; (04) 4 fibers; (06) 6 fibers; (08) 8 fibers; (12) 12 fibers; (16) 16 fibers; (24) 24 fibers

Note: All packaging is 2,000 meter drum reel. Other lengths available upon request.

62.5/125 µm (OM1) multimode cable is available upon request

Fiber count higher than 24 available upon request



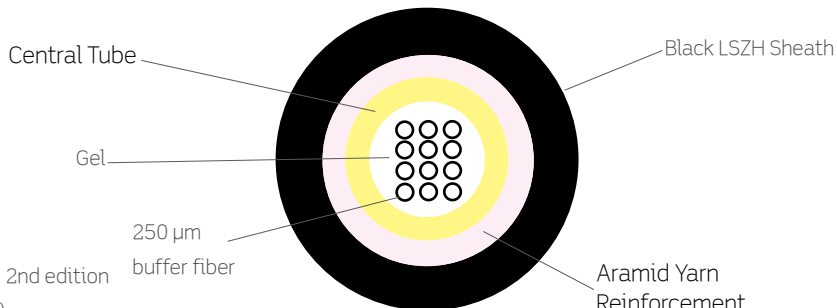
FIBER CABLES | 2-24 Outdoor Central Loose Tube (Light Protection) LSZH Fiber Cable

APPLICATION

LAN backbones
Telecom access lines
Campus networks

STANDARDS COMPLIANCE

EN 50173-1:2002, IEC 60794-1, ISO 11801 2nd edition
ITU G.652.A/B/C/D for SM (low water peak)
ITU G.657.A/B for SM (enhanced bend insensitive)



CONSTRUCTION

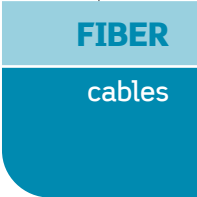
Loose Tube	ø2.8 mm jelly filled loose tube with 2-16 fibers; ø3.5 mm loose tube with 24 fibers
Strength member	Waterblocked E-Glass fiber elements
Sheath	1.8 mm black LSZH sheath with red stripe, UV stabilized, IEC 50290-2-27

FIRE RATING

IEC 60332-1-2	Single vertical wire test
IEC 60754-1	No halogens
IEC 60754-2	No acid matters
IEC 61034-2	No dense smoke

PHYSICAL PROPERTIES

Nominal outer diameter	2-16 fibers: 9.0 mm 18-24 fibers: 9.5 mm
Nominal weight	2-16 fibers: 80 kg/km 18-24 fibers: 85 kg/km
Maximum installation tensile strength	3000 N (fiber strain less than 1/2 of proof test level)
Short term tensile strength	2000 N (fiber strain less than 1/3 of proof test level)
Permanent tensile strength	1000 N (no attenuation change, fiber strain less than 1/4 of proof test level)
Compressive strength (crush)	3000 N
Impact	25 Nm (no attenuation change, no broken cable elements)
Torsion	5 cycles 1 turn
Kink	The cables do not form a kink when a loop is drawn together to a diameter of 200 mm
Min. bending radius, unloaded	R = 100 mm
Min. bending radius, loaded	R = 100 mm
Temperature	Storage: -40 °C to 60 °C (short term up to 70 °C) Installation: -15 °C to 40 °C Operation: -40 °C to 70 °C
Water penetration	No water on free end



TRANSMISSION CHARACTERISTICS	
50/125 µm OM2 MULTIMODE	
Attenuation (of cable with fibers)	
Maximum value of cable at 850 nm	< 2.7 dB/km
Maximum value of cable at 1300 nm	< 0.8 dB/km
Typical value at 850 nm	< 2.5 dB/km
Typical value at 1300 nm	< 0.6 dB/km
Inhomogeneity of OTDR trace for any two 1000 meter fiber lengths	Max. 0.2 dB/km
Bandwidth	
850 nm	600 MHz • km
1300 nm	1200 MHz • km
Group index of refraction at 850 nm	1.482
Group index of refraction at 1300 nm	1.477

50/125 µm	OM3 MULTIMODE	OM4 MULTIMODE
Attenuation		
Maximum value of cable at 850 nm	< 3.0 dB/km	< 2.3 dB/km
Maximum value of cable at 1300 nm	< 1.0 dB/km	< 0.6 dB/km
Maximum value of fiber (for reference only) at 850 nm	< 2.5 dB/km	< 2.1 dB/km
Maximum value of fiber (for reference only) at 1300 nm	< 0.7 dB/km	< 0.4 dB/km
Inhomogeneity of OTDR trace for any two 1000 meter fiber lengths	Max. 0.1 dB/km	Max. 0.1 dB/km
Bandwidth		
OFL value at 850 nm	< 1500 MHz • km	< 3500 MHz • km
OFL value at 1300 nm	< 500 MHz • km	< 500 MHz • km
Effective Modal Bandwidth (EMB) Effective Modal Bandwidth	< 2000 MHz • km	< 4,700 MHz • km
Group index of refraction at 850 nm	1.482	1.482
Group index of refraction at 1300 nm	1.477	1.477

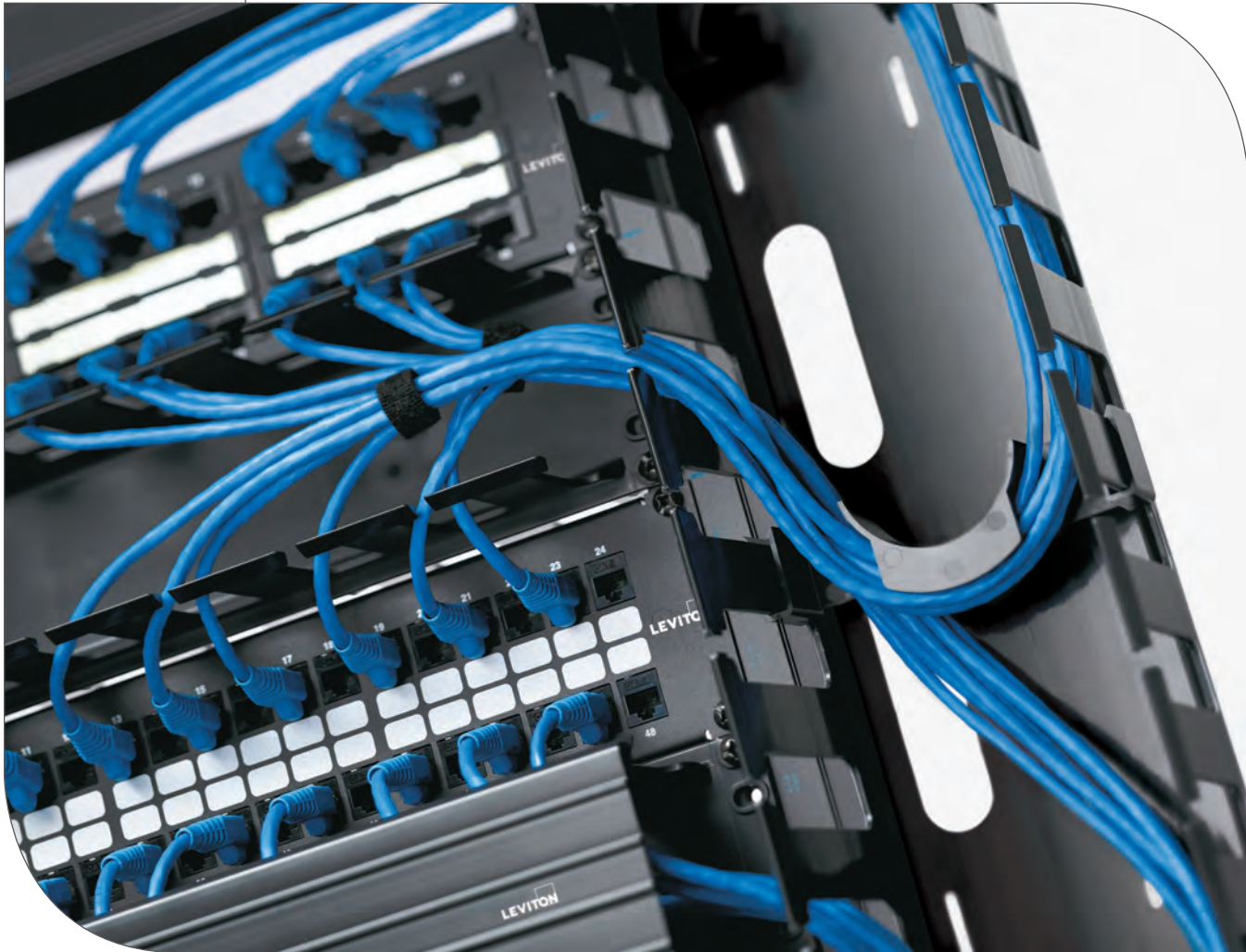
9/125 µm OS1/OS2 SINGLE-MODE	
Attenuation	
1310 nm -1625 nm	< 0.39 dB/km
1550 nm	< 0.25 dB/km
Inhomogeneity of OTDR trace for any two 1000 meter fiber lengths	Max. 0.1 dB/km
Bandwidth	
Group index of refraction at 1310 nm	1.467
Group index of refraction at 1550 nm	1.468
Group index of refraction at 1625 nm	1.468

PART NUMBERS	
DESCRIPTION	PART NO.
50/125 µm (OM2) Multimode Outdoor Loose (light protection) LSZH Cable	50OLZ-yy1
50/125 µm (OM3) Multimode Outdoor Loose (light protection) LSZH Cable	5L0LZ-yy1
50/125 µm (OM3) Multimode Outdoor Loose (light protection) LSZH Cable	550LZ-yy1
9/125 µm (OS1/OS2) Single-Mode Outdoor Loose (light protection) LSZH Cable	SM0LZ-yy1

yy= fiber count: (02) 2 fibers; (04) 4 fibers; (06) 6 fibers; (08) 8 fibers; (12) 12 fibers; (16) 16 fibers; (24) 24 fibers
 Note: All packaging is 1,000 meter drum reel. Other lengths available upon request.
 62.5/125 µm (OM1) multimode cable is available upon request.
 Fiber count higher than 24 available upon request.



CABLE MANAGEMENT



SECTION C CONTENTS

- C3** Versi-Duct® Cable Management Systems
- C5** Horizontal Cable Managers
- C6** Rear Cable Managers
- C7** Blanks & Transitional Covers
- C8** Rings & Brackets
- C9** Fiber Raceway System
- C17** VELCRO® Brand Cable Fasteners
- C19** Zone Enclosures
- C20** Wireless Access Point Enclosures

CABLE MANAGEMENT | Versi-Duct® Vertical Management



VERSI-DUCT CABLE MANAGEMENT SYSTEM

Leviton's unique Versi-Duct system is a versatile cable management solution for copper and fiber installations. The innovative system fits on any standard equipment rack, and accessories enable a wide range of cable management configurations.

VERSI-DUCT 8" CHANNEL CABLE MANAGEMENT

- Ideal for today's large-scale deployments and CAT 6A installations with typical larger diameter cable
- 80" channel ships in two 40" pieces for easier handling and installation
- Channels available with standard or designer cover
- Channels include cover, slack loop organizers, cable retainers, and mounting brackets
- Included cover features unique integrated dual-hinge for easy accessibility
- Channels can be side or center-mounted for better space utilization
- Large finger passthrough space aligns with rack units

VERSI-DUCT 8" CHANNEL VERTICAL CABLE MANAGEMENT & ACCESSORIES		
DESCRIPTION	FRONT ONLY	FRONT & REAR
Vertical 80" length, 8" W x 8" D channel, standard hinged black cover	8980L-VFO	8980L-VFR
Vertical 80" length, 8" W x 8" D channel, designer hinged grey cover	[A] 8C80L-VFO	[B] 8C80L-VFR
Vertical Center Mounting Bracket, 8" channel (bag of 4)		89265-BKT
Vertical Cable Retainer, 8" channel (bag of 6)		[C] 89265-WR1
Vertical Slack Loop Organizer, 8" channel (package of 2)		[D] 89265-SL1

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.

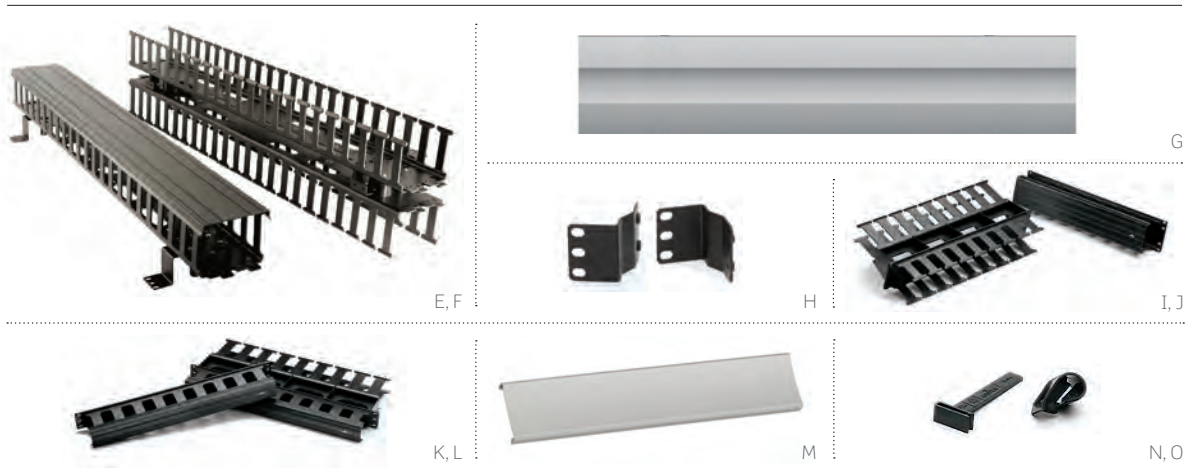
Feature	Channel Depth (WxD)	Usable Area (In ²)	CAT 6A Capacity (.330" Cable)	CAT 6 Capacity (.230" Cable)	CAT 5e Capacity (.185" Cable)
8" Channel Size	8" x 8"	56	186	384	596
Finger Spacing	5.5" x 1"	5.5	24	60	114
Large Passthrough	4.8" x 2.6"	12.7	72	120	258
Small Passthrough	2.6" x 2.6"	6.8	36	72	138



CABLE
MGMT

versi-duct

CABLE MANAGEMENT | Versi-Duct® Vertical & Horizontal Management



VERSI-DUCT 5" CHANNEL CABLE MANAGEMENT

- Versatile accessories allow unique installation configurations
- 80" channel ships in two 40" pieces for easier handling and installation
- Included cover features unique integrated dual-hinge for easy accessibility
- Interlocking tabs maintain flush channel alignment
- Finger spacing aligns with rack units

VERSI-DUCT HORIZONTAL CABLE MANAGEMENT

- Fits all standard 19" racks
- Horizontal managers include bend radius compliant clips
- Finger spacing aligns with Leviton patch panel port openings to better manage patch cords

**CABLE
MGMT**

versi-duct

VERSI-DUCT 5" CHANNEL VERTICAL CABLE MANAGEMENT & ACCESSORIES

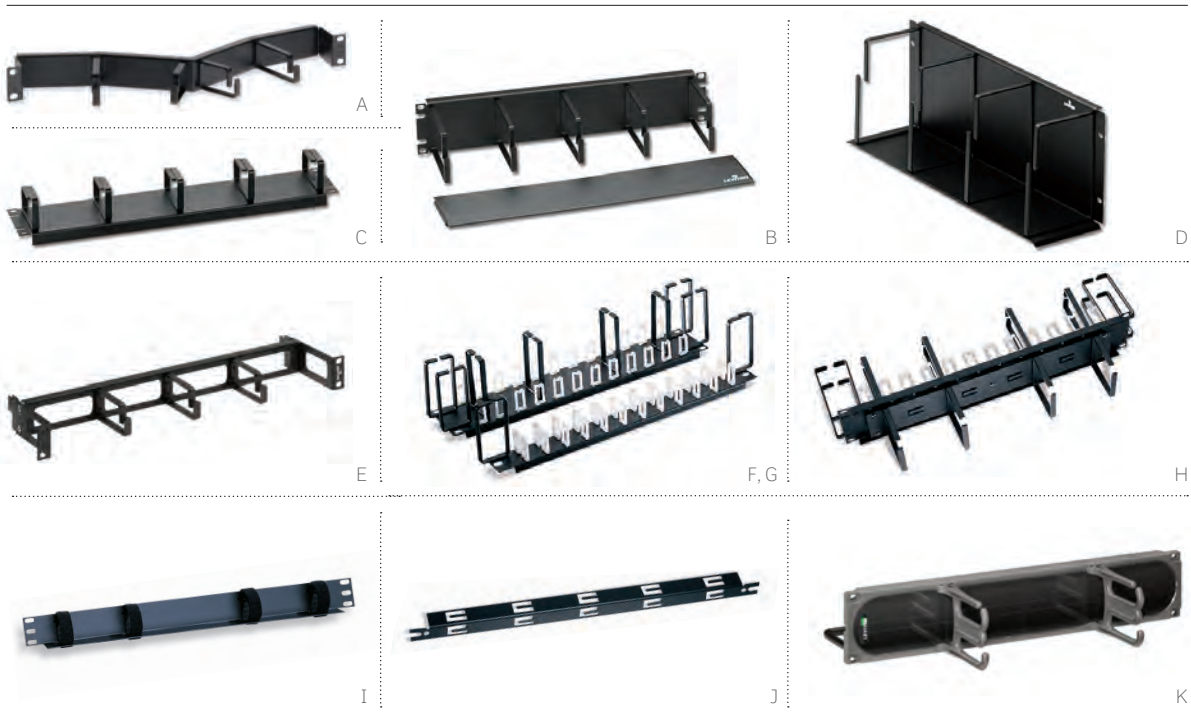
DESCRIPTION	FRONT ONLY	FRONT & REAR
Vertical 80" length, 5" W x 4" D channel, standard snap-on black cover (included)	4980L-VFO	4980L-VFR
Vertical 40" length, 5" W x 4" D channel, standard snap-on black cover (included)	[E] 4940L-VFO	[F] 4940L-VFR
Vertical 40" Designer Cover, 5" channel, snap-on, grey		[G] 59265-5DC
Mounting Bracket, 5" channel		[H] 49265-BKT

VERSI-DUCT HORIZONTAL CABLE MANAGEMENT & ACCESSORIES

DESCRIPTION	FRONT ONLY	FRONT & REAR
Horizontal Manager, 2RU, 3" W x 3" D front, 2" W x 4" D rear*, with cover	[I] 492RU-HFO	[J] 492RU-HFR
Horizontal Manager, 1RU, 1.5" W x 3" D front, 1.5" W x 4" D rear*, with cover	[K] 491RU-HFO	[L] 491RU-HFR
Horizontal Designer Cover, 2RU, snap-on, grey		[M] 49265-DC2
Horizontal Designer Cover, 1RU, snap-on, grey		49265-DC1
Horizontal Cable Retainer (10 per package)		[N] 49265-WR1
Horizontal Cover Hinge (4 per package)		[O] 49265-HNG

*Bend radius clips included.

CABLE MANAGEMENT | Horizontal Cable Managers



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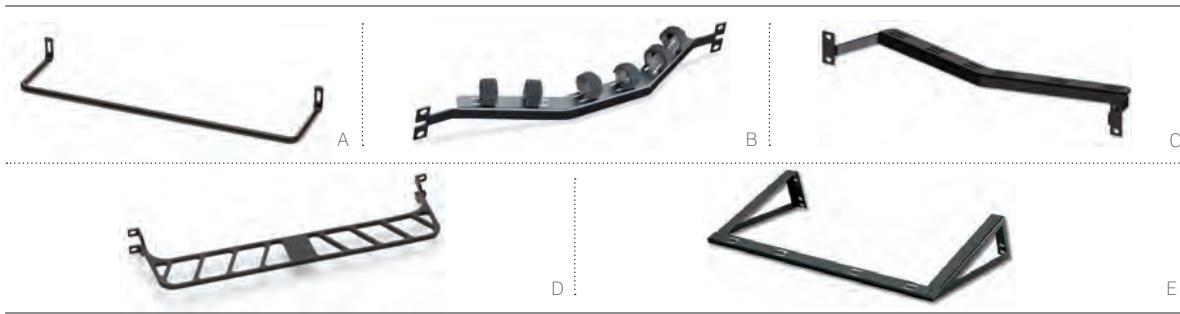
horizontal
cable mgr

HORIZONTAL CABLE MANAGERS

- Available in 1RU, 2RU, and 4RU sizes
- All mount to standard 19" racks and cabinets
- 4RU manager includes a shelf to support patch cords
- Horizontal managers support transition to vertical management
- Combo Manager offers front and rear management
- Attach included cable manager to C1 Ultra blank panel for high-density installations

HORIZONTAL CABLE MANAGERS

DESCRIPTION	FLAT	FLAT W/ METAL COVER	ANGLED	RECESSED-ANGLED	RECESSED-FLAT
Horizontal Manager, 1RU, 4" metal rings	49253-LPM	4925C-LPM	49254-LPM	[A] 4W254-LPM	
Horizontal Manager, 2RU, 4" metal rings	49253-BCM	[B] 4925C-BCM	49254-BCM	4W254-BCM	
Horizontal Manager, 2RU, 2" metal rings	[C] 49253-2CM				
Horizontal Manager, 4RU, 4" metal rings	[D] 49253-4CM	4925C-4CM			
Horizontal Manager, 1RU, 6" metal rings	49253-6PM				
Horizontal Manager, 2RU, 6" metal rings	49253-6MR				
Horizontal Manager, 4RU, 6" metal rings	49253-6CM	4925C-6CM			
Recessed Horizontal Manager, 1RU, 3" metal rings					[E] 49253-RCM
Horizontal Manager, 2RU, w/ plastic saddles	[F] 49252-PO2				
Horizontal Manager, 1RU, w/ plastic saddles	[G] 49252-PO1				
Combo Front and Rear Manager, 2RU	[H] 49252-PCM				
VELCRO® Brand Horizontal Manager, 1RU	[I] 41150-019				
Tie Wrap Bar, 1" H x 1.5" D	[J] 49258-TWB				
C1 Ultra Blank Panel / Cable Manager, 2RU	[K] C1253-2CM				



REAR CABLE MANAGEMENT BARS

- Standard Flat Cable Management Bar attaches directly to patch panels
- Standard Angled and Recessed-Angled Cable Management Bars attach directly to rack
- Extended Cable Management Bar handles large cable volumes and includes six VELCRO® Brand straps
- High-density Cable Management Bar is constructed of die-cast aluminum to support heavy loads of cable and mounts on front or rear of panel
- Rear Cable Management Bar for Active Equipment offers extended depth for power cord support and cutouts for air circulation

**CABLE
MGMT**

rear cable
managers

REAR CABLE MANAGEMENT BARS

DESCRIPTION	FLAT	ANGLED	RECESSED-ANGLED
Standard Cable Management Bar	[A] 49005-CMB	[B] 49006-AMB	[C] 4W006-AMB
High-Density Cable Management Bar, 1RU	[D] 49005-DMB		
Rear Cable Manager for Active Equipment, 2RU	[E] 41188-SM2		

SPOTLIGHT Cable Management Options



High-Density Cable Management Bar

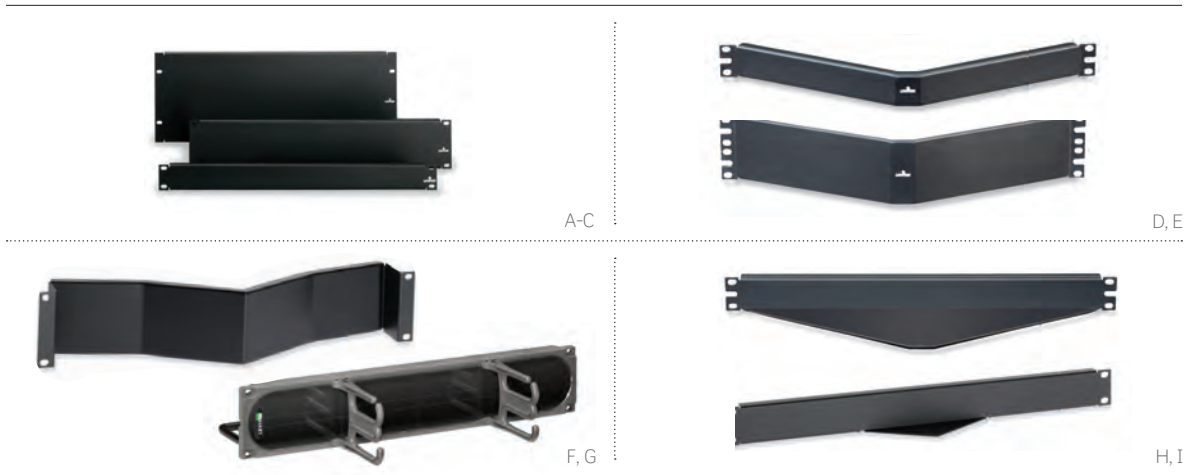
Constructed of durable, lightweight die-cast aluminum, the High-Density 1RU Cable Management Bar is excellent for heavy cable loads. The bar supports up to 48 Cat 6A, CAT 6, or CAT 5e horizontal cables and fits all industry standard 19" racks and cabinets. It can be mounted on the front or rear of the rack.



Vertical Cable Management Rings

Support and manage vertical and horizontal cable loads with Vertical Cable Management Rings (shown on page C8). The open ring solution is ideal for tight spaces and smaller deployments. Install with the Tie Bracket (shown on page C8) for center mounting.

CABLE MANAGEMENT | Blanks & Transitional Covers



CABLE MGMT

covers

BLANK PANEL INSERTS

- Provide a seamless look and designate rack space for future expansion
- Available for flat, angled, and recessed-angled patch panels
- Attach included cable manager to C1 Ultra Blank Panel when additional cord management is needed

TRANSITIONAL COVERS

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

BLANK PANEL INSERTS			
DESCRIPTION	STANDARD	ANGLED	RECESSED-ANGLED
Blank Panel, 1RU	[C] 49254-BP1	[D] 49254-BA1	4W254-BA1
Blank Panel, 2RU	[B] 49254-BP2	[E] 49254-BA2	[F] 4W254-BA2
Blank Panel, 4RU	[A] 49254-BP4		
C1 Ultra Blank Panel / Cable Manager, 2RU	[G] C1253-2CM		
TRANSITIONAL COVERS			
DESCRIPTION		ANGLED	RECESSED-ANGLED
Transitional Cover, 1RU		[H] 49254-BC1	[I] 4W254-BC1

SPOTLIGHT Angled & Recessed-Angled Panels



Address specific rack and cabinet requirements with Leviton angled and recessed-angled patch panels. Standard angled panels improve patch cord routing in high-density applications, while recessed-angled panels are ideal for applications with minimal depth in front of the panel. Specialized cable management is available for both styles, including standard bars, horizontal managers, blanks, and transitional covers.



CABLE MANAGEMENT RINGS

- Vertical Manager Rings are an open ring solution that can be installed in tight spaces and smaller deployments
- Tie Bracket allows rings to be center-mounted
- 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
- 6" deep brackets allow for proper cable management
- 2RU, 3RU, and 4RU sizes

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° and 120° positions
- Rack- or wall-mountable

**CABLE
MGMT**

rings &
brackets

CABLE MANAGEMENT RINGS	
DESCRIPTION	PART NO.
[A] 3" Vertical Manager Rings	49260-MR3
[B] 6" Vertical Manager Rings	49260-MR6
[C] Mounting Tie Bracket	49261-BKT
[D] Vertical Transition Rings for Angled and Recessed-Angled Panels, 2RU	49262-HR1
HINGED WALL-MOUNT BRACKETS	
DESCRIPTION	PART NO.
[E] Hinged Wall-Mount Bracket, 2RU	49251-W62
Hinged Wall-Mount Bracket, 3RU	49251-W63
Hinged Wall-Mount Bracket, 4RU	49251-W64
FRONT HINGED BRACKET	
DESCRIPTION	PART NO.
[F] Front Hinged Bracket, 3RU	49400-FHB



**CABLE
MGMT**

fiber
raceway

FIBER RACEWAY SYSTEM

Route, protect, and store fiber cabling with Leviton's Fiber Raceway System. The easy to design, easy to configure, easy to install cable management system provides a dedicated path for critical network cabling. Fiber Raceway is an ideal solution in data centers, head ends, telecom rooms, and wiring closets – virtually any application that requires fiber cable protection or segregation.

ADAPTS TO ANY APPLICATION

Raceway components are available in four colors (yellow, orange, grey, and black), four sizes, and a wide variety of styles. Ducting is available solid or slotted, with or without covers; connecting components enable drop-offs and routing around obstacles. Mounting kits allow overhead, raised floor, and vertical installation.

ASSEMBLES QUICKLY AND EASILY

Ducting is easily cut to size with a mitre saw, and the system installs with only a screwdriver and other simple carpentry tools. Connection components, including vertical and horizontal outlets and hardware-free covers, snap together tool-free, saving time and money. Side drop-off kits can be added after initial installation anywhere along the Raceway to accommodate new cable routing to racks and cabinets.

PRESERVES FIBER INTEGRITY

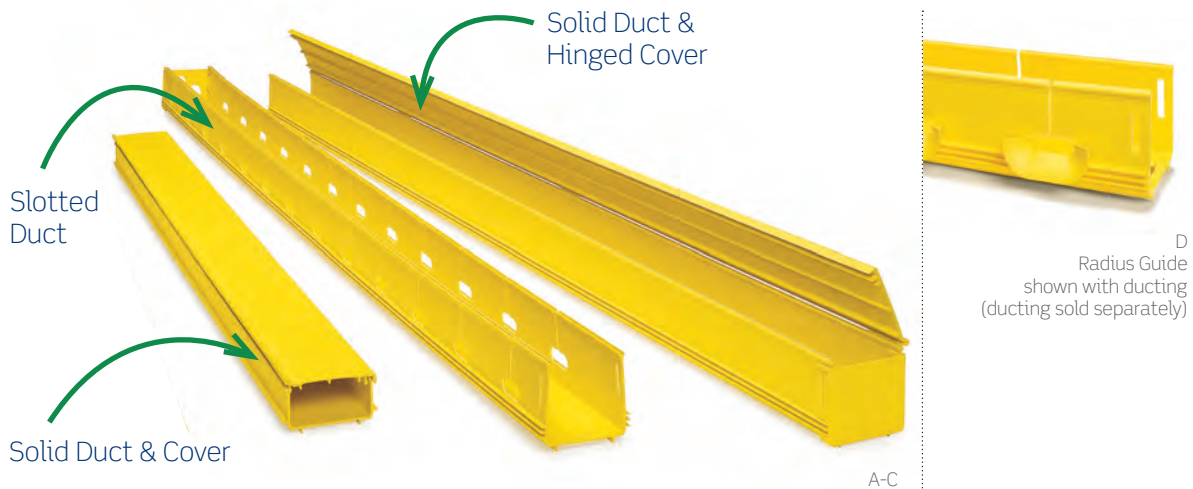
High impact thermoplastic construction ensures ample protection, rigidity, and support. Ducting won't sag under heavy cable loads, and accidental cable damage is prevented, minimizing network downtime. Plus, the system maintains a minimum bend radius of 30 mm at all times.

REDUCES FIRE DAMAGE

The Fiber Raceway System is UL 2024A listed for riser-rated telecommunications applications. In addition, raceway materials carry one of UL's highest flammability ratings, 94 V-0. They are also halogen-free and produce no corrosive acid or toxic gas emissions in the event of fire, making them ideal for sensitive environments from hospitals and nursing homes to telecom rooms and data centers.

DUCTING & BEND RADIUS GUIDES

- Ducting is ideal for routing and supporting cables throughout fiber networks
- 6.5 foot sections can be hand cut to fit exact specifications
- Available in four sizes without covers, or with regular or hinged covers
- Slotted ducting ideal for cable runs with varying exit locations
- Bend radius guides safely route fiber
- Available in four colors, as shown below



**CABLE
MGMT**

fiber
raceway

DUCTING				
DESCRIPTION	2" X 2"	4" X 4"	4" X 8"	4" X 12"
Solid Duct	S2DCT-SDT	*4DCT-SDT	*8DCT-SDT	*WDCT-SDT
[A] Solid Duct and Cover	S2DCT-SDC	*4DCT-SDC	*8DCT-SDC	*WDCT-SDC
[B] Slotted Duct	S2DCT-DSL	*4DCT-DSL		
[C] Solid Duct and Hinged Cover	S2DCT-DHC†	*4DCT-DHC	*8DCT-DHC	
Slotted Duct and Cover	S2DCT-DCS	*4DCT-DCS		
Slotted Duct and Hinged Cover		*4DCT-SHC		
BEND RADIUS GUIDES				
DESCRIPTION				
[D] Radius Guide (10 pack) (fits 2" x 2" and 4" x 4" slotted ducts)	SRAGD-SLT			

Dimensions listed as H x W.

† = 2"x 2" Hinged cover is available in eight 10" sections only.

2"x 4" and 2" x 8" ducting available by special order.

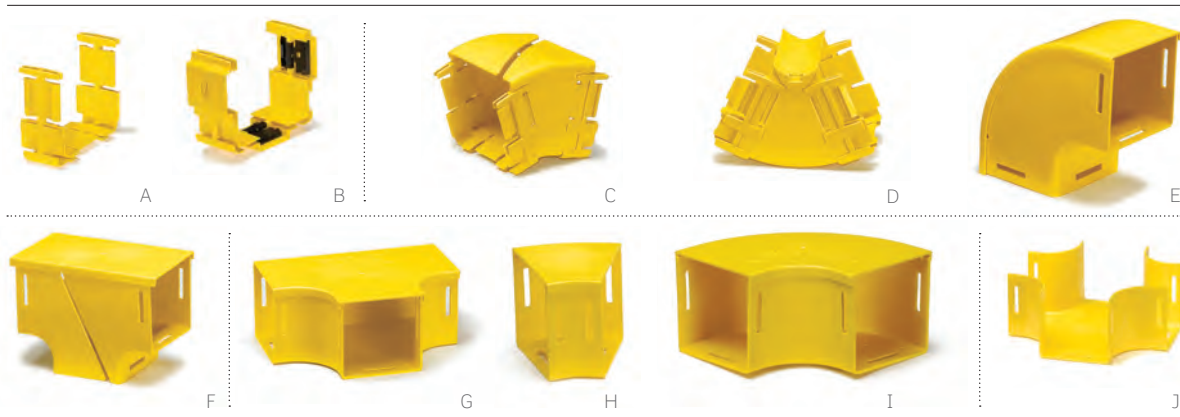
2"x 2" offered in yellow only.

* = Color: Choose from any of the colors below. Grey is special order and requires additional lead time.



Yellow (S) Orange (O) Black (E) Grey (G)

Contact inside sales at 800.722.2082 to order. Callers from outside the US and Canada please dial +1.425.486.2222.



JOINERS

- Joiners create a rigid connection between ducting sections and other components
- Standard Joiners install without tools; Slotless Joiners install using a screwdriver

VERTICAL ELBOWS

- Connect horizontal raceway at different heights and route raceway around obstacles
- Available in four sizes, three angles, and with or without covers
- Retrofit styles allow easy addition of new fibers

VERTICAL TEES

- Drop cables vertically from horizontal routes into frames or cabinets
- Available in four sizes with or without covers

HORIZONTAL TEES

- Branch off the duct and extend the fiber route
- Available in four sizes with or without covers

HORIZONTAL ELBOWS

- Change the direction of horizontal routes
- Available in four sizes, three angles, and with or without covers

HORIZONTAL CROSSES

- Allow easy fiber routing in all directions for increased expansion and adaptability
- Available in four sizes with or without covers

2" x 4" and 2" x 8" components available by special order.

2" x 2" offered in yellow only.

* = Color: Choose from any of the colors below. Grey is special order and requires additional lead time.



Yellow (S)



Orange (O)



Black (E)



Grey (G)

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A Culture of Ingenuity & Innovation



Mark Dearing
Senior Product Manager

Mark works with customers to understand their applications and needs, and then helps translate those needs into new products. Like all our product managers, Mark is a subject matter expert, providing critical support to internal departments as well as to sales and end users. He speaks at BICSI conferences and is certified as a BICSI Registered Communication Distribution Designer (RCDD). He's also a co-inventor of several patented products and design features.

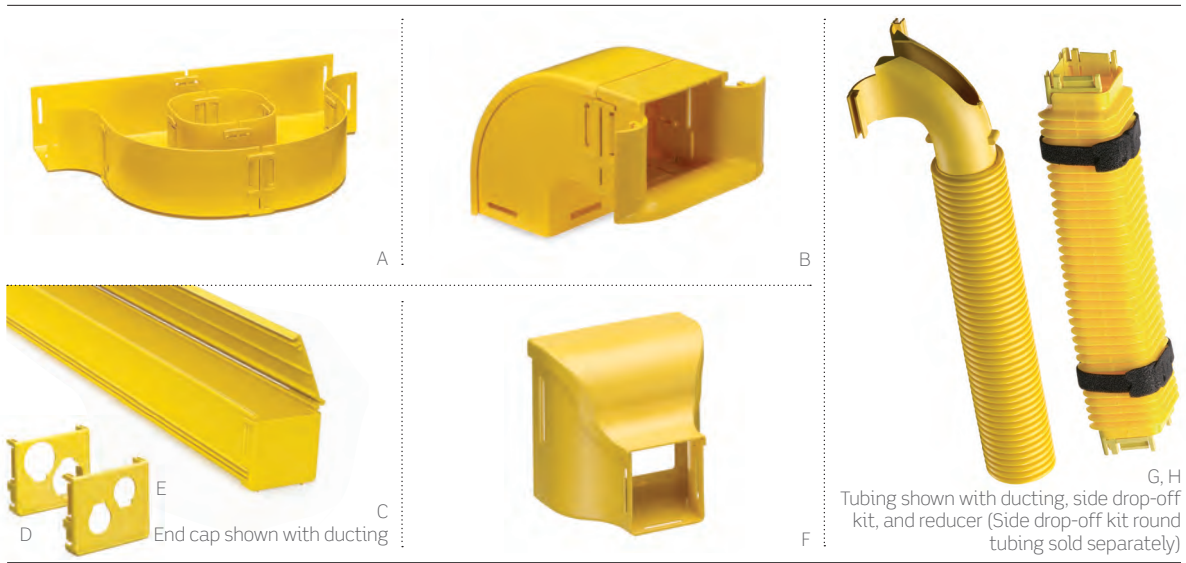
JOINERS				
DESCRIPTION	2" X 2"	4" X 4"	4" X 8"	4" X 12"
[A] Joiner	S2JNR-SLT	*4JNR-SLT	*8JNR-SLT	
[B] Slotless Joiner		*4JNR-SLS	*8JNR-SLS	*WJNR-SLS
VERTICAL ELBOWS				
DESCRIPTION	2" X 2"	4" X 4"	4" X 8"	4" X 12"
Vertical Elbow 30° Down	S2VEL-30D	*4VEL-30D	*8VEL-30D	
Vertical Elbow 30° Down and Cover	S2VEL-3DC	*4VEL-3DC	*8VEL-3DC	
[C] Vertical Elbow 30° Down Retrofit		*4VEL-3DR	*8VEL-3DR	
Vertical Elbow 30° Up		*4VEL-30U	*8VEL-30U	
[D] Vertical Elbow 30° Up and Cover		*4VEL-3UC	*8VEL-3UC	
Vertical Elbow 30° Up Retrofit		*4VEL-3UR	*8VEL-3UR	
Vertical Elbow 45° Down	S2VEL-45D	*4VEL-45D	*8VEL-45D	*WVEL-45D
Vertical Elbow 45° Down and Cover	S2VEL-4DC	*4VEL-4DC	*8VEL-4DC	*WVEL-4DC
Vertical Elbow 45° Down Retrofit		*4VEL-4DR	*8VEL-4DR	
Vertical Elbow 45° Up		*4VEL-45U		*WVEL-45U
Vertical Elbow 45° Up and Cover	S2VEL-4UC	*4VEL-4UC	*8VEL-4UC	*WVEL-4UC
Vertical Elbow 45° Up Retrofit		*4VEL-4UR	*8VEL-4UR	
Vertical Elbow 90° Down	S2VEL-90D	*4VEL-90D	*8VEL-90D	*WVEL-90D
[E] Vertical Elbow 90° Down and Cover	S2VEL-9DC	*4VEL-9DC	*8VEL-9DC	*WVEL-9DC
Vertical Elbow 90° Down Retrofit		*4VEL-9DR	*8VEL-9DR	
Vertical Elbow 90° Up	S2VEL-90U	*4VEL-90U	*8VEL-90U	*WVEL-90U
Vertical Elbow 90° Up and Cover	S2VEL-9UC	*4VEL-9UC	*8VEL-9UC	*WVEL-9UC
Vertical Elbow 90° Up Retrofit	S2VEL-9UR	*4VEL-9UR	*8VEL-9UR	
Vertical Elbow 90° Up and Down Enclosed		*4VEL-9UD	*8VEL-9UD	
VERTICAL TEES				
DESCRIPTION	2" X 2"	4" X 4"	4" X 8"	4" X 12"
Vertical Tee	S2VTE-TEE	*4VTE-TEE	*8VTE-TEE	*WVTE-TEE
Vertical Tee and Cover	S2VTE-TEC	*4VTE-TEC	*8VTE-TEC	*WVTE-TEC
[F] Vertical Tee Retrofit	S2VTE-TER	*4VTE-TER	*8VTE-TER	
HORIZONTAL TEES				
DESCRIPTION	2" X 2"	4" X 4"	4" X 8"	4" X 12"
Horizontal Tee	S2HTE-TEE	*4HTE-TEE	*8HTE-TEE	*WHTE-TEE
[G] Horizontal Tee and Cover	S2HTE-TEC	*4HTE-TEC	*8HTE-TEC	*WHTE-TEC
HORIZONTAL ELBOWS				
DESCRIPTION	2" X 2"	4" X 4"	4" X 8"	4" X 12"
Horizontal Elbow 30°	S2HEL-30D	*4HEL-30D	*8HEL-30D	
[H] Horizontal Elbow 30° and Cover	S2HEL-3DC	*4HEL-3DC	*8HEL-3DC	
Horizontal Elbow 45°	S2HEL-45D	*4HEL-45D	*8HEL-45D	*WHEL-45D
Horizontal Elbow 45° and Cover	S2HEL-4DC	*4HEL-4DC	*8HEL-4DC	*WHEL-4DC
Horizontal Elbow 90°	S2HEL-90D	*4HEL-90D	*8HEL-90D	
[I] Horizontal Elbow 90° and Cover	S2HEL-9DC	*4HEL-9DC	*8HEL-9DC	*WHEL-9DC
HORIZONTAL CROSSES				
DESCRIPTION	2" X 2"	4" X 4"	4" X 8"	4" X 12"
[J] Horizontal Cross	S2HCR-HCR	*4HCR-HCR	*8HCR-HCR	*WHCR-HCR
Horizontal Cross and Cover	S2HCR-HCC	*4HCR-HCC	*8HCR-HCC	*WHCR-HCC

Dimensions listed as H x W.

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fiber
raceway

CABLE MANAGEMENT | Fiber Raceway System



STORAGE LOOPS

- Organize excess patch cord lengths
- Available in two styles: inline for storing within the duct system, and offset for outside the main duct

SIDE DROP-OFF KITS

- Provide a safe exit for fiber cords at any point along ducting when dropping down to active equipment or work areas

END CAPS

- Snap into place to seal the open end of standard ducting; can easily be removed for future system modifications
- Available in two styles: solid-walled, or with knockouts for flexible tubing or fiber feedout

REDUCERS

- Join varying ducting sizes together

ADAPTERS

- Used to connect Leviton Fiber Raceway System with ADC ducting

TUBING

- Manage fiber as it enters or exits equipment rack ducting
- Flexible/ribbed design allows for adjustment if drops cannot be positioned directly in line with equipment

STORAGE LOOPS			
DESCRIPTION	2" X 2"	4" X 4"	4" X 8"
[A] Fiber Storage Loop Inline	S2FSL-INL	*4FSL-INL	*8FSL-INL
Fiber Storage Loop Offset		*4FSL-OFF	*8FSL-OFF
SIDE DROP-OFF KITS			
DESCRIPTION	2" X 2"	4" X 4"	4" X 8"
[B] Side Drop-Off Kit (for Raceway Ducting)	S2DRP-DCT	*4DRP-DRP	
Side Drop-Off Kit (for Round Tube)	S2DRP-TUB		
Side Drop-Off Kit (for Square Tube)	S2DRP-STB		
Outlet Trumpet	S2TRM-TRM	*4TRM-TRM	

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END CAPS				
DESCRIPTION	2" X 2"	4" X 4"	4" X 8"	4" X 12"
[C] End Cap, standard		*4END-CAP	*8END-CAP	
End Cap, slotless		*4END-CSL	*8END-CSL	*WEND-CSL
End Cap, (two) .75" diameter knockouts	S2END-20D			
End Cap, (one) 1.5" diameter knockout	S2END-38D			
End Cap, (one) 1.5" hole	S2END-38H			
End Cap, (one) 3.5" hole				
End Cap Tube Outlet for 2" Tube	S2END-OUT			
[D] End Cap, (two) 1.75" diameter knockouts		*4END-46D		
[E] End Cap, (two) 1.25" diameter knockouts		*4END-32D		
REDUCERS				
DESCRIPTION	4" X 4"	4" X 8"	4" X 12"	
Reducer to 2" x 2"	*4RDR-RDR			
[F] Reducer to 2" x 2" and Cover	*4RDR-RDC			
Reducer to 4" x 4" Horizontal Cross and Cover		*8RDR-RDC		
Reducer to 4" x 4" Right Hand		*8RDR-RRH		
Reducer to 4" x 4" Right Hand and Cover		*8RDR-RHC		
Reducer to 4" x 4" Left Hand		*8RDR-RLH		
Reducer to 4" x 4" Left Hand and Cover		*8RDR-LHC		
Reducer to 4" x 8"				*WRDR-RDR
Reducer to 4" x 8" and Cover				*WRDR-RDC
ADAPTERS (TO MATE W/ ADC DUCTING)				
DESCRIPTION	4" X 4"	4" X 8"		
Adapter Kit to ADC 4" Duct	S4ADP-ADC			
Adapter Kit to ADC 4" Tee	S4ADP-TEE			
Left Hand Adapter Kit to ADC 6" Duct		S8ADP-LAD		
Right Hand Adapter Kit to ADC 6" Duct		S8ADP-RAD		
Adapter Kit to ADC 6" Tee		S8ADP-TEE		
TUBING (PVC, NON UL 94V-0 MATERIAL)				
DESCRIPTION				PART NO.
[G] Round, 2" diameter, 39" length (yellow)				S50RT-01M
Round, 2" diameter, 78" length (yellow)				S50RT-02M
Round, 1" diameter, 78" length (grey)				S25RT-02M
Round, 1.5" diameter, 78" length (black)				S38RT-02M
Round, split, .75" diameter, 78" length (grey)				S20RS-02M
Square, 2", 14" length (yellow)				S50ST-350
[H] Square w/ cover, 2", 14" length (yellow)				S5STC-350

2" x 4" and 2" x 8" components available by special order.

2" x 2" offered in yellow only.

* = Color: Choose from any of the colors below. Grey is special order and requires additional lead time.



Yellow (S) Orange (O) Black (E) Grey (G)

Contact inside sales at 800.722.2082 to order. Callers from outside the US and Canada please dial +1.425.486.2222.

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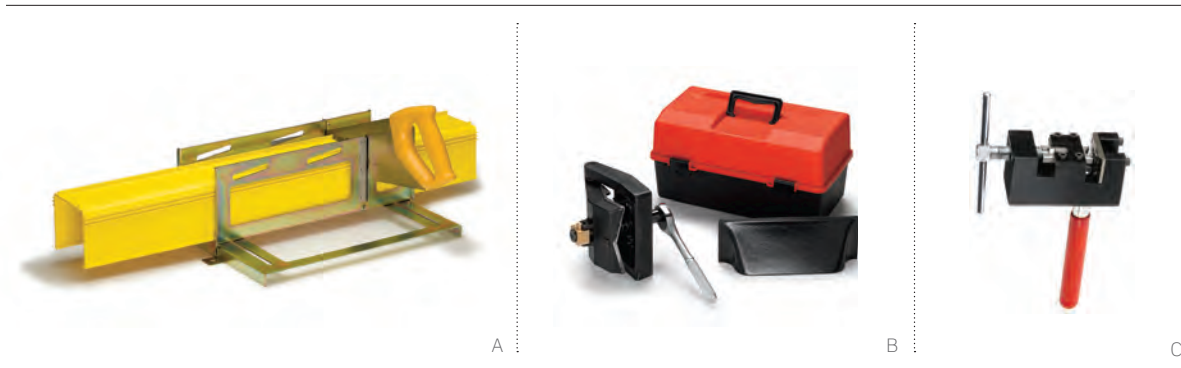
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fiber
raceway

MOUNTING HARDWARE

- Extensive selection enables Fiber Raceway installation above equipment racks and frames, under flooring, or on walls, ladder rack, or unistrut
- Other mounting hardware available - contact tech support at 800.824.3005 or +1.425.486.2222

MOUNTING HARDWARE	
DESCRIPTION	PART NO.
[A] 4" x 4" Wall-Mounting Kit	S4MNT-KIT
4" x 8" Wall-Mounting Kit	S8MNT-KIT
[B] 4" x 4" Wall Extension Bracket (up to 10") Mounting Kit	S4EXT-KIT
4" x 8" Wall Extension Bracket (up to 14") Mounting Kit	S8EXT-KIT
2" x 2" Duct-Mounting Bracket	S2DMB-000
[C] 4" x 4" Duct-Mounting Bracket	S4DMB-000
4" x 8" Duct-Mounting Bracket	S8DMB-000
4" x 12" Duct-Mounting Bracket	SWDMB-000
[D] 4" x 4" Suspension Kit (with 3.3' rod)	S4SUS-KIT
4" x 8" Suspension Kit (with 3.3' rod)	S8SUS-KIT
4" x 12" Suspension Kit (with 3.3' rod)	SWSUS-KIT
4" x 12" Suspension Kit (without rod)	SWSUS-WRD
2" x 2" Raised-Mounting Kit (for above or below cabinet)	S1RMK-000
[E] 4" x 4" Raised-Mounting Kit (for above or below cabinet)	S4RMK-000
4" x 8" Raised Mounting Kit (for above or below cabinet)	S8RMK-000
4" x 12" Raised-Mounting Kit (for above or below cabinet)	SWRMK-000
2" x 2" Ladder Rack/Unistrut Mounting Kit	S1LRU-000
[F] 4" x 4" Ladder Rack/Unistrut Mounting Kit	S4LRU-000
4" x 8" Ladder Rack/Unistrut Mounting Kit	S8LRU-000
[G] 5/8" Threaded Rod Side-Mount Bracket (threaded rod not included)	SMH00-SMB



TOOLS

- Several kit options for cutting and slotting duct during installation or upgrades
- Mitre boxes provide a stable channel for cutting ducting
- Cut-out tools prepare ducting for the addition of a Side Drop-off Kit

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TOOLS	
DESCRIPTION	PART NO.
Mitre Box (for 1.25" and 2" Ducting)*	SMTRE-050
[A] Mitre Box (for 4", 8", and 12" Ducting)*	SMTRE-300
[B] 2" Side Cut-Out Tool Kit (for use with 2" x 2" Side Drop-Off Kits)**	S2CUT-TOL
4" Side Cut-Out Tool Kit (for use with 2" x 4" and 4" x 4" Side Drop-Off Kits)**	S4CUT-TOL
[C] 2" End Slot Tool (for use with 2" x 2" Joiners)	SSL0T-050
4" x 8" End Slot Tool (for use with 4" x 4" and 4" x 8" Joiners)	SSL0T-200

* = Ducting and saw not included.

** = Ratchet and socket not included.

Contact inside sales at 800.722.2082 to order. Callers from outside the US and Canada please dial +1.425.486.2222.

SPOTLIGHT Fiber Raceway Application Notes



Leviton offers a series of downloadable Fiber Raceway application notes, available at leviton.com/frs. These application notes explain which raceway products or kits are appropriate for specific scenarios, from under-floor mounting to ladder and strut mounting. A video is also available on the site, providing installation instructions and a component overview.



VELCRO® BRAND TIE WRAPS

- Available in 5", 8", and 12" lengths (0.5" width)
- Slot helps secure fastening without over-tightening
- All wraps come 25 units per roll

VELCRO® BRAND WRAPS – BULK ROLLS

- Available in 15', 75', and 600' bulk rolls (0.5" width)
- Cut to desired length

Maroon products UL Listed for use in plenum or air handling spaces per National Electric Code (NEC) Section 300.

VELCRO® BRAND COMPRESSION STRAPS

- Available in 15" lengths, (all 0.5" width)
- Adjustable to support a variety of loads
- Easy feedthrough slot helps secure fastening without over-tightening
- Strap locked area equals 6 square inches
- Holds up to 320 CAT 5e, 200 CAT 6, or 100 CAT 6A cables

VELCRO® BRAND WRAPS – SOFTCINCH LITE ROLLS

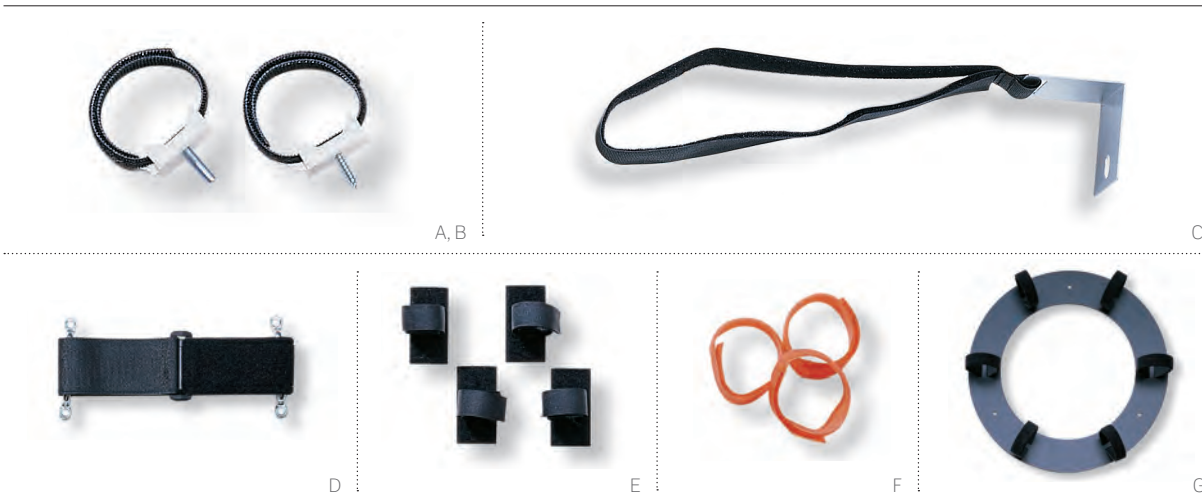
- Thinner depth for smaller bundles
- Tear by hand for quick application
- Available in 75' roll (0.5" width)

VELCRO® BRAND CABLE FASTENERS					
DESCRIPTION	BLACK	BLUE	YELLOW	ORANGE	MAROON (PLENUM RATED)
[A] Tie Wrap, 5"	43105-005	43105-05L	43105-05Y	43105-05O	43105-05P
[B] Tie Wrap, 8"	43108-008	43108-08L	43108-08Y	43108-08O	43108-08P
[C] Tie Wrap, 12"	43112-012	43112-12L	43112-12Y	43112-12O	43112-12P
[D] Bulk Roll, 15'	43115-015	43115-15L	43115-15Y	43115-15O	43115-15P
[E] Bulk Roll, 75'	43115-075	43115-75L	43115-75Y	43115-75O	43115-75P
[F] Bulk Roll, 600'	43115-600				
[G] Compression Strap	44115-15E	44115-15L	44115-15Y	44115-15O	
[H] SoftCinch Lite Roll	4S115-75E				



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Velcro



VELCRO® BRAND UTILITY FASTENERS

- Saddle ties attach to wood surfaces, relay racks, and enclosures
- Compression straps are an ideal solution for heavy vertical cable runs
- J-Hooks are height adjustable to bypass obstacles, and open to 8" diameter
- Workstation loops, with 5.25" loop, attach with convenient peel-off adhesive
- Orange fasteners hold cable bundles up to 3" diameter
- Storage rings for inside and outside plant ensure fiber optic bend radius; loops included

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MGMT**

Velcro

VELCRO® BRAND UTILITY FASTENERS	
DESCRIPTION	PART NO.
[A] Saddle Ties w/ 10/32 metal rack screws (10 per pack)	41020-SPR
[B] Saddle Ties w/ #8 wood screws (10 per pack)	41010-SPW
[C] J-Hook	46700-SLG
[D] Compression Strap	45224-RCS
[E] Workstation Loops w/ peel-off adhesive (25 per pack)	41225-SAP
[F] Fasteners, orange (10 per pack)	41030-OFT
[G] Storage Rings, Inside Plant, 11.75" diameter	48900-IFR
Storage Rings, Outside Plant, 24" diameter	48900-0FR

SPOTLIGHT | Protect Cables with Genuine VELCRO® Brand Fasteners



Use VELCRO® Brand fasteners to secure all cable bundles. Our genuine VELCRO® Brand products won't crush or damage cables like tie wraps can, and are reusable for moves, adds, and changes (MACs). Plus, with our extensive range of fastener styles, colors, and sizes, Leviton has the perfect VELCRO® Brand cable management solution for your unique needs.



A



B



C



D

CABLE MGMT

zone enclosures

ZONE ENCLOSURES

- Provide flexible consolidation point in ceiling or floor
- Simplify moves, adds, and changes
- Plenum-rated with included fire-rated foam sealing kits
- Significant reduction in cable pathway loading
- Use as a telecom enclosure (TE) for cabling flexibility

2' x 2' PASSIVE RAISED-FLOOR ENCLOSURES

- Fit in air handling space under 8" raised floors
- House two 4RU (8RU total) racks for standard 19" components
- Rotating patch panel mounting provides easy access to rear of panels

CEILING ENCLOSURES

- Install flush with drop ceiling
- Fully hinged drop-down doors support installed equipment and open to face technician
- Active and passive styles available

ZONE ENCLOSURES

DESCRIPTION

PART NO.

[A] Active Ceiling Enclosure, 2' x 2', 2RU active and 5RU passive space

Z1000-AC2

[B] Active Ceiling Enclosure, 2' x 4', 4RU active and 10RU passive space

Z1000-AC4

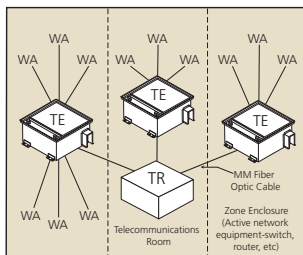
[C] Passive Raised-Floor Enclosure, 8" depth, 8RU passive space

Z1000-PF2

[D] Passive Ceiling Enclosure, 2' x 2', 5RU passive space

Z1000-PC2

SPOTLIGHT Zone Cabling Design Benefits



In a zone cabling design, cables are routed from the telecommunications room (TR) to appropriately placed telecommunications enclosures (TE). Cabling is then run from the zone enclosure to each work area (WA). In an Active Zone Enclosure System, a single fiber run can support dozens of work areas, significantly reducing cable pathway loading and TR space requirements. Zone cabling designs are ideal for open office architecture. Zone cabling benefits include:

- Maximum infrastructure flexibility
- Improved network performance
- Simplified moves, adds, and changes
- Reduced floor space usage
- Significantly reduced cost of ownership



5" & 10" WIRELESS ACCESS POINT CEILING ENCLOSURES

- Single edge-protected access port includes a fire-rated foam sealing kit
- Suitable for installation in air spaces
- Mount into a standard 2' x 2' ceiling tile

4" WIRELESS ACCESS POINT CEILING ENCLOSURES

- Accommodates one wireless access point or bridge
- Removable door-mounted bracket supports equipment up to 10.5" W x 1.875" H x 5.5" D
- Includes fully-hinged, lockable door with two round holes for access point antennae

CEILING ENCLOSURE FACEPLATES

- All faceplates fit both 5" and 10" depth enclosures
- Select appropriate part number based on listed compatible access point model
- All faceplates are fully-hinged and lockable

WALL-MOUNT ENCLOSURE

- Rugged steel construction with lock assembly
- Accommodates equipment sized 9.5" W x 6.5" H x 2.75" D

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wireless
enclosures

WIRELESS ACCESS POINT CEILING ENCLOSURES	
DESCRIPTION	PART NO.
Wireless Access Point Ceiling Enclosure, 10" depth, faceplate sold separately	W1000-WCE
[A] Wireless Access Point Ceiling Enclosure, 5" depth, faceplate sold separately	W1000-WC5
[B] Wireless Access Point Ceiling Enclosure, 4" depth, with faceplate	W1000-WC0
WIRELESS ACCESS POINT CEILING ENCLOSURE FACEPLATES (REQUIRED FOR 5" & 10" ENCLOSURES)	
DESCRIPTION	PART NO.
Blank Faceplate (fits 5" and 10" Wireless Access Point Enclosures)	W1000-F01
Faceplate for Cisco Aironet 1200 (fits 5" and 10" Wireless Access Point Enclosures)	W1000-F04
WIRELESS ACCESS POINT WALL-MOUNT ENCLOSURE	
DESCRIPTION	PART NO.
[C] Wireless Access Point Wall-Mount Enclosure (accommodates Cisco Aironet 350 or equivalent)	W1000-WW0

All enclosures and faceplates are powder-coated white.

POWER SOLUTIONS



SECTION D CONTENTS

POWER DISTRIBUTION UNITS (PDU)	D3	FLX Series
	D9	Switched Series
	D11	Metered Series
	D13	P1000 Series
	D15	5500 & 5505 Series
	D16	4500 Series

POWER DISTRIBUTION | FLX Series

Leviton's FLX Series PDUs provide reliable power distribution into racks and cabinets with output power ranging from 2.0 kW to 12.5 kW. Metered units include a Smart Meter Technology display showing voltage, amperage, and wattage for the total PDU and for each individual branch (3-phase units). FLX Series PDUs are available in a wide selection of input plugs and output receptacles meeting both NEMA and IEC standards. All PDUs include UL-rated breakers for branch circuit protection. The 70" PDUs mount vertically in racks or cabinets, and feature data center quality design and construction.

RECOMMENDED APPLICATIONS:

Data Center Cabinets

Telecommunications Racks

Quick Network Deployment



INPUT FLEXIBILITY

- 120V & 208V Single-Phase and 208V 3-Phase (WYE or Delta)
- 12 input plug options meeting both NEMA and IEC 60309 standards
- 208V units (single and 3-phase) provided with Type DP cable for NEC 645 compliance
- 120V units available with locking or non-locking input plugs
- Cord lengths from 3 to 15 feet (10 ft. standard)



DATA CENTER READY

- Tested for temperature, humidity, vibration, and shock conditions that exceed the ranges in section 5 of the Telcordia GR63 standard
- 18-gauge cold-rolled steel construction
- All 208V units include UL-489 circuit breakers
- 208V units (single and 3-phase) provided with Type DP cords for NEC 645 compliance
- Grounding stud provides easy and reliable grounding

POWER

power
distribution



SMART METER TECHNOLOGY

- Displays amps, volts, and watts
- Gravity sensor detects PDU orientation and auto-inverts display
- Auto-scrolling feature on 3-phase units displays bank-level information
- Amperage and wattage accuracy: $\pm 5\%$
- Voltage accuracy: $\pm 2\%$
- Blue LEDs increase visibility and require minimal power to operate display



POWER
power distribution

OUTPUT FLEXIBILITY

- Output power ranging from 2.0 kW to 12.5 kW
- 3-phase units available with 120V, 208V, and 120V/208V output
- Output receptacles include NEMA 5-20R and L6-20R; IEC 60320 C13 and C19

MOUNTING FLEXIBILITY













- Bracket and button-mounting hardware included for compatibility with a wide range of rack and cabinet applications
- Optional adjustable rack-mounting bracket available for open-frame racks*
- Cable management available for securing cords and improving aesthetics*

*See page D5 for FLX Series accessories.







POWER DISTRIBUTION | FLX Series

INPUT PLUG TYPES

Single Phase 120V	NEMA  5-20P	NEMA  L5-20P	NEMA  L5-30P	
Single Phase 208V	NEMA  L6-20P	NEMA  L6-30P		
3-Phase 208V Delta	NEMA  L15-20P	NEMA  L15-30P	Non-NEMA  CS8365C	IEC 60309  460P9W
	NEMA  L21-20P	NEMA  L21-30P	IEC 60309  560P9W	

OUTPUT RECEPTACLE TYPES

NEMA  5-20R 120V	NEMA  L6-20R 208V	IEC 60320  C13 208V	IEC 60320  C19 208V
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FLX SERIES ACCESSORIES

DESCRIPTION	PART NO.
Adjustable Mounting Bracket	PDURK-BKT
Power Cord Management Bar	PDURK-MGR
Power Cord Retention Rings, VELCRO® Brand Straps	PDURK-RNG

Adjustable Mounting Bracket



Power Cord Management Bar



Single-Phase
208V FLX PDU



3-Phase
208V FLX PDU

POWER
power
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The FLX Series offers a variety of configurations to meet many different applications and power requirements. The information contained in the following tables will assist you in finding the right FLX model to meet your needs.

FLX PDU INPUT AND OUTPUT CHARACTERISTICS BY PLUG TYPE

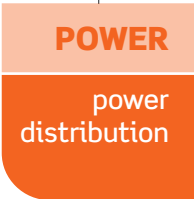
PDU INPUT				PDU OUTPUT	
Plug Type	Input Voltage	Plug Rating	Continuous Input Current	Output Power	Max. Output Current
5-20P	120V Single-Phase	20A	16A	2.0 kW	16A Total
L5-20P	120V Single-Phase	20A	16A	2.0 kW	16A Total
L5-30P	120V Single-Phase	30A	24A	3.0 kW	24A Total
L6-20P	208V Single-Phase	20A	16A	3.3 kW	16A Total
L6-30P	208V Single-Phase	30A	24A	5.0 kW	24A Total
L15-20P	208V 3-Phase Delta	20A	16A	5.8 kW	9.3A / Bank
L15-30P	208V 3-Phase Delta	30A	24A	8.6 kW	13.8A / Bank
CS8365C	208V 3-Phase Delta	50A	35A	12.5 kW	20A / Bank
560P9W	208V 3-Phase WYE	60A	35A	12.5 kW	20A / Bank
L21-20P	208V 3-Phase WYE	20A	16A	5.8 kW	9.3A / Bank
L21-30P	208V 3-Phase WYE	30A	24A	8.6 kW	13.8A / Bank
460P9W	208V 3-Phase Delta	60A	35A	12.5 kW	20A / Bank

FLX PDU PRODUCT LIST BY OUTPUT RECEPTACLE CONFIGURATION

OUTLET QTY & TYPE	120V Single			208V Single		3 WYE			3 Delta			
	5-20P	L5-20P	L5-30P	L6-20P	L6-30P	L21-20P	L21-30P	560P9W	L15-20P	L15-30P	CS8365C	460P9W
(24) 5-20R	FM106	FM107	FM105	—	—	—	—	—	—	—	—	—
(24) C13; (6) C19; (6) 5-20R	—	—	—	—	—	FM379	FM380	FM381	—	—	—	—
(36) C13; (6) C19	—	—	—	—	—	FM355	FM356	FM388	FM413	FM403	FM354	FM429
(24) C13; (6) C19	—	—	—	FM204	FM206	FM313	FM315	FM361	FM410	FM445	FM337	FM424
(24) C13; (4) C19; (4) L6-20R	—	—	—	FB204	FB206	FB313	FB315	FB361	FB410	FB445	FB337	FB424
(8) C13; (4) L6-20R; (12) 5-20R	—	—	—	—	—	FM373	FM374	FM375	FM431	FM432	FM433	FM434
(12) C13; (12) C19	—	—	—	—	—	FB373	FB374	FB375	FB431	FB432	FB433	FB434
(12) C13; (12) C19	—	—	—	—	—	FM376	FM377	FM378	—	—	—	—
(12) L6-20R	—	—	—	—	—	—	—	—	—	—	—	—
(12) L6-20R	—	—	—	—	—	FM389	FM390	FM391	FM450	FM451	FM452	FM453
(12) L6-20R	—	—	—	—	—	FM347	FM348	FM371	FM406	FM407	FM346	FM426
(12) L6-20R	—	—	—	—	—	FB347	FB348	FB371	FB406	FB407	FB346	FB426
(36) 5-20R	—	—	—	—	—	FM310	FM311	FM360	—	—	—	—
(36) 5-20R	—	—	—	—	—	FB310	FB311	FB360	—	—	—	—
(12) C13; (18) C19	—	—	—	—	—	FM382	FM386	FM387	FM446	FM447	FM448	FM449
(12) C13; (18) C19	—	—	—	—	—	—	—	—	—	—	—	—
(24) C13; (3) 5-20R	—	—	—	—	—	FM330	FM331	FM367	—	—	—	—
(24) C13; (3) 5-20R	—	—	—	—	—	FB330	FB331	FB367	—	—	—	—
(36) C13	—	—	—	—	—	FM353	FM324	FM364	FM411	FM412	FM352	FM428
(36) C13	—	—	—	—	—	FB353	FB324	FB364	FB411	FB412	FB352	FB428
(12) L6-20R	—	—	—	FM207	FM210	—	—	—	—	—	—	—
(12) L6-20R	—	—	—	FB207	FB210	—	—	—	—	—	—	—

FLX PDUs are available with a cord length of 3-15 feet. The default cord length is 10 feet.

— Indicates configuration is not available.



POWER DISTRIBUTION | FLX Series > Part Numbers

The modular and flexible design of the FLX Series PDU allows for components to be stocked at the factory for rapid product assembly at the time of the order. Below is a listing of the most common FLX configurations, which can be assembled in 5 days or less for quantities up to 15 units. For delivery information that would include transit time from the factory to your specific location, please contact Leviton Customer Service at 800.722.2082.

SINGLE-PHASE 120V INPUT PDUS								
Part No.		Input			Output			
Metered	Basic	Plug Type	Voltage	Continuous Current	Power	Voltage	Receptacle Qty & Type	Max. Current
FM106-10S	—	5-20P	120V Single-Phase	16A	2.0 kW	120V	(24) 5-20R	16A Total
FM107-10L	—	L5-20P	120V Single-Phase	16A	2.0 kW	120V	(24) 5-20R	16A Total
FM105-10L	—	L5-30P	120V Single-Phase	24A	3.0 kW	120V	(24) 5-20R	24A Total
SINGLE PHASE 208V INPUT PDUS								
Part No.		Input			Output			
Metered	Basic	Plug Type	Voltage	Continuous Current	Power	Voltage	Receptacle Qty & Type	Max. Current
FM204-10L	FB204-10L	L6-20P	208V Single-Phase	16A	3.3 kW	208V	(24) C13; (6) C19	16A Total
FM207-10L	FB207-10L	L6-20P	208V Single-Phase	16A	3.3 kW	208V	(12) L6-20R	16A Total
FM206-10L	FB206-10L	L6-30P	208V Single-Phase	24A	5.0 kW	208V	(24) C13; (6) C19	24A Total
FM210-10L	FB210-10L	L6-30P	208V Single-Phase	24A	5.0 kW	208V	(12) L6-20R	24A Total
3-PHASE 208V INPUT PDUS								
Part No.		Input			Output			
Metered	Basic	Plug Type	Voltage	Continuous Current	Power	Voltage	Receptacle Qty & Type	Max. Current
FM431-10L	FB431-10L	L15-20P	208V 3-Phase Delta	16A	5.8 kW	208V	(24) C13; (4) C19; (4) L6-20R	9.3A / Bank
FM373-10L	FB373-10L	L21-20P	208V 3-Phase WYE	16A	5.8 kW	208V	(24) C13; (4) C19; (4) L6-20R	9.3A / Bank
FM410-10L	FB410-10L	L15-20P	208V 3-Phase Delta	16A	5.8 kW	208V	(24) C13; (6) C19	9.3A / Bank
FM313-10L	FB313-10L	L21-20P	208V 3-Phase WYE	16A	5.8 kW	208V	(24) C13; (6) C19	9.3A / Bank
FM379-10L	—	L21-20P	208V 3-Phase WYE	16A	5.8 kW	120V & 208V	(24) C13; (6) C19; (6) 5-20R	9.3A / Bank
FM413-10L	FB413-10L	L15-20P	208V 3-Phase Delta	16A	5.8 kW	208V	(36) C13; (6) C19	9.3A / Bank
FM355-10L	FB355-10L	L21-20P	208V 3-Phase WYE	16A	5.8 kW	208V	(36) C13; (6) C19	9.3A / Bank
FM432-10L	FB432-10L	L15-30P	208V 3-Phase Delta	24A	8.6 kW	208V	(24) C13; (4) C19; (4) L6-20R	13.8A / Bank
FM374-10L	FB374-10L	L21-30P	208V 3-Phase WYE	24A	8.6 kW	208V	(24) C13; (4) C19; (4) L6-20R	13.8A / Bank
FM445-10L	FB445-10L	L15-30P	208V 3-Phase Delta	24A	8.6 kW	208V	(24) C13; (6) C19	13.8A / Bank
FM316-10L	FB316-10L	L21-30P	208V 3-Phase WYE	24A	8.6 kW	208V	(24) C13; (6) C19	13.8A / Bank
FM380-10L	—	L21-30P	208V 3-Phase WYE	24A	8.6 kW	120V & 208V	(24) C13; (6) C19; (6) 5-20R	13.8A / Bank
FM403-10L	FB403-10L	L15-30P	208V 3-Phase Delta	24A	8.6 kW	208V	(36) C13; (6) C19	13.8A / Bank
FM356-10L	FB356-10L	L21-30P	208V 3-Phase WYE	24A	8.6 kW	208V	(36) C13; (6) C19	13.8A / Bank
FM433-10L	FB433-10L	CS8365C	208V 3-Phase Delta	35A	12.5 kW	208V	(24) C13; (4) C19; (4) L6-20R	20A / Bank
FM434-10L	FB434-10L	460P9W	208V 3-Phase Delta	35A	12.5 kW	208V	(24) C13; (4) C19; (4) L6-20R	20A / Bank
FM375-10L	FB375-10L	560P9W	208V 3-Phase WYE	35A	12.5 kW	208V	(24) C13; (4) C19; (4) L6-20R	20A / Bank
FM337-10L	FB337-10L	CS8365C	208V 3-Phase Delta	35A	12.5 kW	208V	(24) C13; (6) C19	20A / Bank
FM424-10L	FB424-10L	460P9W	208V 3-Phase Delta	35A	12.5 kW	208V	(24) C13; (6) C19	20A / Bank
FM361-10L	FB361-10L	560P9W	208V 3-Phase WYE	35A	12.5 kW	208V	(24) C13; (6) C19	20A / Bank
FM381-10L	—	560P9W	208V 3-Phase WYE	35A	12.5 kW	120V & 208V	(24) C13; (6) C19; (6) 5-20R	20A / Bank
FM354-10L	FB354-10L	CS8365C	208V 3-Phase Delta	35A	12.5 kW	208V	(36) C13; (6) C19	20A / Bank
FM429-10L	FB429-10L	460P9W	208V 3-Phase Delta	35A	12.5 kW	208V	(36) C13; (6) C19	20A / Bank
FM388-10L	FB388-10L	560P9W	208V 3-Phase WYE	35A	12.5 kW	208V	(36) C13; (6) C19	20A / Bank

FLX PDUs are available with a cord length of 3-15 feet in 1 foot increments.

The default cord length is 10 feet. To order a different cord length, simply replace the 10 with the desired length. For example: FM380-15L features a 15' cord.

Standard dimensions are 70" H x 2.3" W x 2.4" D. For units with UL 489-rated circuit breakers, add an additional 1" of depth at the base of the PDU for the circuit breaker enclosure (as shown on page D5.)

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POWER DISTRIBUTION | FLX Series > Part Numbers

Below is a list of less common FLX configurations, which may have a longer assembly lead-time. Please contact Leviton Customer Service at 800.722.2082 for delivery and lead-time information.

3-PHASE 208V INPUT PDUS								
Part No.		Input			Output			
Metered	Basic	Plug Type	Voltage	Continuous Current	Power	Voltage	Receptacle Qty & Type	Max. Current
FM450-10L	FB450-10L	L15-20P	208V 3-Phase Delta	16A	5.8 kW	120V & 208V	(12) C13; (12) C19	9.3A / Bank
FM389-10L	FB389-10L	L21-20P	208V 3-Phase WYE	16A	5.8 kW	120V & 208V	(12) C13; (12) C19	9.3A / Bank
FM446-10L	FB446-10L	L15-20P	208V 3-Phase Delta	16A	5.8 kW	120V & 208V	(12) C13; (18) C19	9.3A / Bank
FM382-10L	FB382-10L	L21-20P	208V 3-Phase WYE	16A	5.8 kW	120V & 208V	(12) C13; (18) C19	9.3A / Bank
FM406-10L	FB406-10L	L15-20P	208V 3-Phase Delta	16A	5.8 kW	120V & 208V	(12) L6-20R	9.3A / Bank
FM347-10L	FB347-10L	L21-20P	208V 3-Phase WYE	16A	5.8 kW	120V & 208V	(12) L6-20R	9.3A / Bank
FM330-10L	FB330-10L	L21-20P	208V 3-Phase WYE	16A	5.8 kW	120V & 208V	(24) C13; (3) 5-20R	9.3A / Bank
FM310-10L	FB310-10L	L21-20P	208V 3-Phase WYE	16A	5.8 kW	120V & 208V	(36) 5-20R	9.3A / Bank
FM411-10L	FB411-10L	L15-20P	208V 3-Phase Delta	16A	5.8 kW	120V & 208V	(36) C13	9.3A / Bank
FM353-10L	FB353-10L	L21-20P	208V 3-Phase WYE	16A	5.8 kW	120V & 208V	(36) C13	9.3A / Bank
FM376-10L	—	L21-20P	208V 3-Phase WYE	16A	5.8 kW	120V & 208V	(8) C13; (4) L6-20R; (12) 5-20R	9.3A / Bank
FM451-10L	FB451-10L	L15-30P	208V 3-Phase Delta	24A	8.6 kW	120V & 208V	(12) C13; (12) C19	13.8A / Bank
FM390-10L	FB390-10L	L21-30P	208V 3-Phase WYE	24A	8.6 kW	120V & 208V	(12) C13; (12) C19	13.8A / Bank
FM447-10L	FB447-10L	L15-30P	208V 3-Phase Delta	24A	8.6 kW	120V & 208V	(12) C13; (18) C19	13.8A / Bank
FM386-10L	FB386-10L	L21-30P	208V 3-Phase WYE	24A	8.6 kW	120V & 208V	(12) C13; (18) C19	13.8A / Bank
FM407-10L	FB407-10L	L15-30P	208V 3-Phase Delta	24A	8.6 kW	120V & 208V	(12) L6-20R	13.8A / Bank
FM348-10L	FB348-10L	L21-30P	208V 3-Phase WYE	24A	8.6 kW	120V & 208V	(12) L6-20R	13.8A / Bank
FM331-10L	FB331-10L	L21-30P	208V 3-Phase WYE	24A	8.6 kW	120V & 208V	(24) C13; (3) 5-20R	13.8A / Bank
FM311-10L	FB311-10L	L21-30P	208V 3-Phase WYE	24A	8.6 kW	120V & 208V	(36) 5-20R	13.8A / Bank
FM412-10L	FB412-10L	L15-30P	208V 3-Phase Delta	24A	8.6 kW	120V & 208V	(36) C13	13.8A / Bank
FM324-10L	FB324-10L	L21-30P	208V 3-Phase WYE	24A	8.6 kW	120V & 208V	(36) C13	13.8A / Bank
FM377-10L	—	L21-30P	208V 3-Phase WYE	24A	8.6 kW	120V & 208V	(8) C13; (4) L6-20R; (12) 5-20R	13.8A / Bank
FM452-10L	FB452-10L	CS8365C	208V 3-Phase Delta	35A	12.5 kW	120V & 208V	(12) C13; (12) C19	20A / Bank
FM453-10L	FB453-10L	460P9W	208V 3-Phase Delta	35A	12.5 kW	120V & 208V	(12) C13; (12) C19	20A / Bank
FM391-10L	FB391-10L	560P9W	208V 3-Phase WYE	35A	12.5 kW	120V & 208V	(12) C13; (12) C19	20A / Bank
FM448-10L	FB448-10L	CS8365C	208V 3-Phase Delta	35A	12.5 kW	120V & 208V	(12) C13; (18) C19	20A / Bank
FM449-10L	FB449-10L	460P9W	208V 3-Phase Delta	35A	12.5 kW	120V & 208V	(12) C13; (18) C19	20A / Bank
FM387-10L	FB387-10L	560P9W	208V 3-Phase WYE	35A	12.5 kW	120V & 208V	(12) C13; (18) C19	20A / Bank
FM346-10L	FB346-10L	CS8365C	208V 3-Phase Delta	35A	12.5 kW	120V & 208V	(12) L6-20R	20A / Bank
FM426-10L	FB426-10L	460P9W	208V 3-Phase Delta	35A	12.5 kW	120V & 208V	(12) L6-20R	20A / Bank
FM371-10L	FB371-10L	560P9W	208V 3-Phase WYE	35A	12.5 kW	120V & 208V	(12) L6-20R	20A / Bank
FM367-10L	FB367-10L	560P9W	208V 3-Phase WYE	35A	12.5 kW	120V & 208V	(24) C13; (3) 5-20R	20A / Bank
FM360-10L	FB360-10L	560P9W	208V 3-Phase WYE	35A	12.5 kW	120V & 208V	(36) 5-20R	20A / Bank
FM352-10L	FB352-10L	CS8365C	208V 3-Phase Delta	35A	12.5 kW	120V & 208V	(36) C13	20A / Bank
FM428-10L	FB428-10L	460P9W	208V 3-Phase Delta	35A	12.5 kW	120V & 208V	(36) C13	20A / Bank
FM364-10L	FB364-10L	560P9W	208V 3-Phase WYE	35A	12.5 kW	120V & 208V	(36) C13	20A / Bank
FM378-10L	—	560P9W	208V 3-Phase WYE	35A	12.5 kW	120V & 208V	(8) C13; (4) L6-20R; (12) 5-20R	20A / Bank

POWER
power
distribution



A



B

Choose Leviton Switched Series PDUs to solve many power management problems common in IT environments, including unauthorized use of power outlets, equipment lock-up, in-rush current, overloaded circuits, and the need for remote access to power outlets. Switched Series PDUs include all the functionality of our Metered Series, plus several exclusive monitoring and management features to ensure optimum power quality.

SWITCHED SERIES

Includes the functionality of our Metered PDU Series (Pages D11-D12) plus the following:

- Full-featured network management provided via Web, SNMP, and Telnet allows remote access, configuration, and management
- Remote individual outlet control allows shut-down of unused outlets and remote rebooting of attached equipment
- Aggregate current draw can be monitored remotely or locally via digital display
- Power sequencing minimizes in-rush current and prevents circuit overload
- SNMP alerts when power or environmental conditions exceed thresholds
- Firmware is easily upgraded via network download to installed units for future product enhancements
- External probe available separately for relative temperature and humidity monitoring; simply plug it into one of two RJ-11 ports
- Available in 120V or 208V versions with 20 or 30 amps
- Available in vertical Zero-U or horizontal rack-mount styles
- Attaches to most common cabinets and racks with included mounting hardware



C, D

STANDARDS & CERTIFICATIONS

UL 60950-1 LISTED | #E228302

RECOMMENDED APPLICATIONS:

Data Center Cabinets

Telecommunications Racks

Adjustable extension brackets available; See spotlight on D13.

POWER
power
distribution

SWITCHED SERIES HORIZONTAL POWER DISTRIBUTION UNITS (PDUs)

PART NO.	INPUT			OUTPUT			DIMENSIONS
	VOLTAGE	AMPS	INPUT CORD TYPE, LENGTH, & PLUG	VOLTAGE	RECEPTACLE TYPE	RECEPTACLE QUANTITY	
[A] SH081-1D1*	120V	20A	Modular Cord; see accessories below	120V	5-20R	8	1.75" H x 17" W x 7" D
SH081-1B1	120V	30A	Hardwired; 10' w/ L5-30P plug	120V	5-20R	8	1.75" H x 17" W x 7" D
[B] SH082-1C2	208V	30A	Hardwired; 10' w/ L6-30P plug	208V	C13	8	1.75" H x 17" W x 7" D

SWITCHED SERIES VERTICAL POWER DISTRIBUTION UNITS (PDUs)

PART NO.	INPUT			OUTPUT			DIMENSIONS
	VOLTAGE	AMPS	INPUT CORD TYPE, LENGTH, & PLUG	VOLTAGE	RECEPTACLE TYPE	RECEPTACLE QUANTITY	
[C] SV161-1D1*	120V	20A	Modular Cord; see accessories below	120V	5-20R	16	44.4" L x 1.75" W x 2.25" D
SV161-1B1	120V	30A	Hardwired; 10' w/ L5-30P plug	120V	5-20R	16	44.4" L x 1.75" W x 2.25" D
[D] SV162-1C2	208V	30A	Hardwired; 10' w/ L6-30P plug	208V	C13	16	49.5" L x 1.75" W x 2.25" D

* = 120V/20A PDUs require a modular power cord.

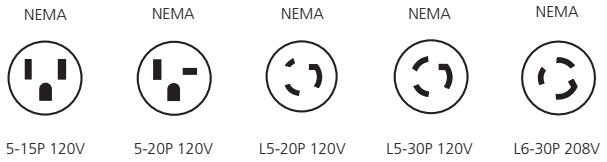
POWER
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ACCESSORIES

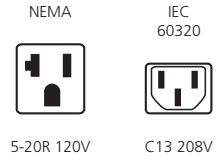
DESCRIPTION	PART NO.
Modular Power Cord, C19 to 5-15P, 10'	PCORD-G10
Modular Power Cord, C19 to 5-20P, 10'	PCORD-A10
Modular Power Cord, C19 to L5-20P, 10'	PCORD-H10
Modular Power Cord, C19 to L5-20P, 15'	PCORD-H15
Temperature & Relative Humidity Probe, 10'	TCORD-010



INPUT PLUG TYPES



OUTPUT RECEPTACLE TYPES



POWER DISTRIBUTION | Metered Series



A



B

Leviton's Metered Series PDUs provide the reliable power distribution required for data centers and telecommunication rooms. High-reliability designs, performance components, and quality manufacturing result in a robust product suitable for critical 24/7 "always on" environments. LED display monitors its connected equipment input current, assuring optimal use of available amperage. Metered PDUs are available in a variety of input and output options to meet unique power requirements.

METERED SERIES

- Current monitoring helps prevent overloads in high-density computing environments
- Available in 120V or 208V versions with 20 or 30 amps
- Available in vertical Zero-U or horizontal rack-mount styles
- Horizontal units mount on 19" racks and cabinets
- Included mounting hardware allows attachment to most common cabinets and racks
- Optional adjustable rack mounting bracket available

STANDARDS & CERTIFICATIONS

UL 60950-1 LISTED | #E228302

RECOMMENDED APPLICATIONS:

Data Center Cabinets

Telecommunication Racks

Adjustable extension brackets available; See spotlight on D13.



C, D

POWER

power distribution

The Industry's Best Service & Support



Brian Hansen, RCDD

Specification Engineer, BICSI President (2010 - 2011)

Brian has been in the telecommunications industry for over 23 years, in which he has been a consultant, contractor, and network engineer. Today he's a member of Leviton's nationwide spec team, covering the North Central U.S. region. He also just finished a prestigious role as BICSI board president, where he helped expand the organization around the globe and forward the goals of the ITS industry. You can expect the same level of leadership and expertise from Brian with high-quality specifications, installation, and management support.

METERED SERIES HORIZONTAL POWER DISTRIBUTION UNITS (PDUs)

PART NO.	INPUT			OUTPUT			DIMENSIONS
	VOLTAGE	AMPS	INPUT CORD TYPE, LENGTH, & PLUG	VOLTAGE	RECEPTACLE TYPE	RECEPTACLE QUANTITY	
[A] MH101-1D1*	120V	20A	Modular Cord; see accessories below	120V	5-20R	10	1.75" H x 17.5" W x 5" D
MH101-1B1	120V	30A	Hardwired; 10' w/ L5-30P plug	120V	5-20R	10	1.75" H x 17.5" W x 5" D
[B] MH122-1C2	208V	30A	Hardwired; 10' w/ L6-30P plug	208V	C13	12	1.75" H x 17.5" W x 5" D

METERED SERIES VERTICAL POWER DISTRIBUTION UNITS (PDUs)

PART NO.	INPUT			OUTPUT			DIMENSIONS
	VOLTAGE	AMPS	INPUT CORD TYPE, LENGTH, & PLUG	VOLTAGE	RECEPTACLE TYPE	RECEPTACLE QUANTITY	
[C] MV121-1D1*	120V	20A	Modular Cord; see accessories below	120V	5-20R	12	31.25" L x 1.75" W x 2.25" D
MV121-1B1	120V	30A	Hardwired; 10' w/ L5-30P plug	120V	5-20R	12	31.25" L x 1.75" W x 2.25" D
MV241-1D1*	120V	20A	Modular cord; see accessories below	120V	5-20R	24	54.0" L x 1.75" W x 2.25" D
MV241-1B1	120V	30A	Hardwired; 10' w/ L5-30P plug	120V	5-20R	24	54.0" L x 1.75" W x 2.25" D
[D] MV122-1C2	208V	30A	Hardwired; 10' w/ L6-30P plug	208V	C13	12	31.25" L x 1.75" W x 2.25" D
MV242-1C2	208V	30A	Hardwired; 10' w/ L6-30P plug	208V	C13	24	54.0" L x 1.75" W x 2.25" D

* 120V/20A PDUs require a modular power cord.

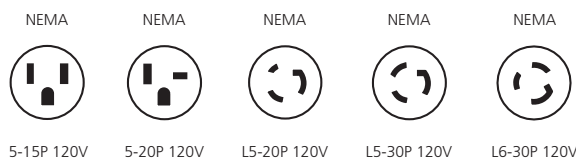
POWER
power distribution

ACCESSORIES

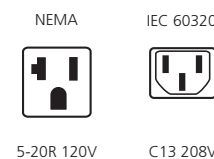
DESCRIPTION	PART NO.
Modular Power Cord, C19 to 5-15P, 10'	PCORD-G10
Modular Power Cord, C19 to 5-20P, 10'	PCORD-A10
Modular Power Cord, C19 to L5-20P, 10'	PCORD-H10
Modular Power Cord, C19 to L5-20P, 15'	PCORD-H15



INPUT PLUG TYPES



OUTPUT RECEPTACLE TYPES



POWER DISTRIBUTION | P1000 Series



Leviton's P1000 Series Rack PDUs are designed for data centers, wiring closets, and other environments that require cost-effective, "always on" power. The robust, compact design ensures that these products can be used wherever reliability and density are important.

P1000 SERIES

- All models feature circuit breaker protection to prevent current overloads
- Available in 120V or 208V versions with 15, 20, or 30 amps
- 208V PDUs come with 2-pole circuit breakers for added safety
- Surge-protected models prevent damage from transient surges
- LED indicators for power, grounding/polarity, and surge protection where applicable
- Hardwired power input cord
- 18-gauge cold-rolled steel construction
- Available in vertical Zero-U or horizontal 19" rack-mount styles
- Mounting hardware included. Optional adjustable rack-mounting bracket available



Vertical P1000 units ship with flat brackets, L-brackets, backplates, mounting buttons, screws, and washers to support a variety of workstation options



STANDARDS & CERTIFICATIONS

UL 60950-1 LISTED | #E228302
UL 1449 LISTED 3RD ED. | #E228302
(P1070 SERIES ONLY)

RECOMMENDED APPLICATIONS:

Data Center Cabinets

Telecommunications Racks

SPOTLIGHT PDU Adjustable Extension Brackets



Mount Leviton Vertical PDUs in open-frame racks with adjustable PDU Extension Brackets to make room for cable management and other hardware. Robust 14-gauge construction ensures ample support for the PDU and attached power cords. The PDU Extension Bracket (PDURK-BKT) works with all Leviton vertical PDUs including FLX, Switched, Metered, and P1000 Series. See ordering information on page D5.

UNMETERED HORIZONTAL POWER DISTRIBUTION UNITS (PDUs), SINGLE-INPUT

PART NO.	INPUT				OUTPUT			DIMENSIONS
	VOLTAGE	AMPS	CORD LENGTH	PLUG TYPE	VOLTAGE	RECEPTACLE TYPE	RECEPTACLE QUANTITY	
P1020-12S	120V	15A	12'	5-15P	120V	5-15R	10	1.75" H x 17.5" W x 4.5" D
[A] P1021-12S	120V	20A	12'	5-20P	120V	5-20R	10	1.75" H x 17.5" W x 4.5" D
P1022-12L	120V	20A	12'	L5-20P	120V	5-20R	10	1.75" H x 17.5" W x 4.5" D
P1023-12L	120V	30A	12'	L5-30P	120V	5-20R	16	3.5" H x 17.5" W x 4.5" D
[B] P1024-12L	208V	20A	12'	L6-20P	208V	C13	12	1.75" H x 17.5" W x 4.5" D
P1025-12L	208V	30A	12'	L6-30P	208V	C13	16	3.5" H x 17.5" W x 4.5" D

UNMETERED VERTICAL POWER DISTRIBUTION UNITS (PDUs), SINGLE-INPUT

PART NO.	INPUT				OUTPUT			DIMENSIONS
	VOLTAGE	AMPS	CORD LENGTH	PLUG TYPE	VOLTAGE	RECEPTACLE TYPE	RECEPTACLE QUANTITY	
P1040-10S	120V	15A	10'	5-15P	120V	5-15R	16	30" L x 1.8" W x 1.75" D
[C] P1041-10S	120V	20A	10'	5-20P	120V	5-20R	16	30" L x 1.8" W x 1.75" D
P1042-10L	120V	20A	10'	L5-20P	120V	5-20R	16	30" L x 1.8" W x 1.75" D
P1043-10S	120V	20A	10'	5-20P	120V	5-20R	24	48" L x 1.8" W x 1.75" D
[D] P1044-10L	120V	20A	10'	L5-20P	120V	5-20R	24	48" L x 1.8" W x 1.75" D
P1045-10L	120V	30A	10'	L5-30P	120V	5-20R	24	48" L x 1.8" W x 1.75" D
P1046-10L	208V	20A	10'	L6-20P	208V	C13	24	48" L x 2.19" W x 2" D
[E] P1047-10L	208V	30A	10'	L6-30P	208V	C13	24	48" L x 2.19" W x 2" D

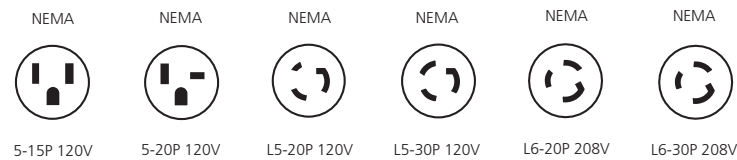
SURGE PROTECTED VERTICAL POWER DISTRIBUTION UNITS (PDUs), SINGLE-INPUT

PART NO.	INPUT				OUTPUT			DIMENSIONS
	VOLTAGE	AMPS	CORD LENGTH	PLUG TYPE	VOLTAGE	RECEPTACLE TYPE	RECEPTACLE QUANTITY	
P1070-10S	120V	15A	10'	5-15P	120V	5-15R	16	30" L x 2.19" W x 1.73" D
P1071-10S	120V	20A	10'	5-20P	120V	5-20R	16	30" L x 2.19" W x 1.73" D
P1072-10L	120V	20A	10'	L5-20P	120V	5-20R	16	30" L x 2.19" W x 1.73" D
P1073-10S	120V	20A	10'	5-20P	120V	5-20R	24	48" L x 2.19" W x 1.73" D
P1074-10L	120V	20A	10'	L5-20P	120V	5-20R	24	48" L x 2.19" W x 1.73" D

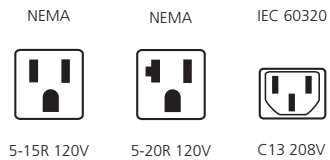
All P1000 Series PDUs have hardwired cords.

POWER
power distribution

INPUT PLUG TYPES



OUTPUT RECEPTACLE TYPES



POWER DISTRIBUTION | 5500 & 5505 Series



Leviton's 5500 and 5505 Series Power Distribution Units (PDUs) help power and protect vital electronic equipment. These PDUs are similar to the 4500 Series, but with the added assurance of surge protection. The 5500 and 5505 Series share several key features, including:

- Resettable circuit breaker to protect against overloading
- 12 receptacles: 10 in back, 2 in front
- 20-amp versions available with either straight blade or locking input plug
- Mounts horizontally on 19" racks or cabinets

STANDARDS & CERTIFICATIONS

UL 1363 RECOGNIZED | #E118936

5500: UL 1449 LISTED 3RD ED. | #E118936/3/1

5505: UL 1449 LISTED 3RD ED. | #E118936/3/2

POWER
power
distribution

5500 SERIES W/ ENHANCED SURGE PROTECTION

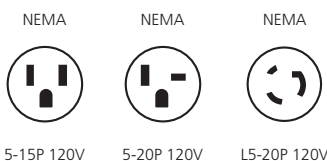
- Peak surge current: 72 kA
- VPR — L-N: 400 Vpk, L-G/N-G: 500 Vpk
- EMI/RFI noise filtering: 100 kHz to 30 MHz, -10 dB to -35 dB
- Type SPD: 4
- Physical dimensions: 1.75" H x 19" W x 4.55" D

5505 SERIES W/ SURGE PROTECTION

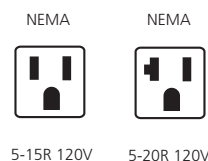
- Peak surge current: 27 kA
- VPR — L-N: 600 Vpk, L-G/N-G: 700 Vpk
- EMI/RFI noise filtering: 100 kHz to 30 MHz, -5 dB to -40 dB
- Type SPD: 4
- Physical dimensions: 1.75" H x 19" W x 2.5" D

5500/5505 SERIES RACK MOUNT POWER DISTRIBUTION UNITS (PDUs) WITH SURGE PROTECTION										
PART NO.	FOOTPRINT	ON/OFF SWITCH		INPUT				OUTPUT		
		YES	NO	INPUT VOLTAGE	AMPS	CORD LENGTH	INPUT PLUG	OUTPUT VOLTAGE	RECEPTACLE TYPE	RECEPTACLE QUANTITY
[A] 5500-190	Horizontal / Rack Mnt.	•		120V	15A	12'	5-15P	120V	5-15R	12
5500-192	Horizontal / Rack Mnt.	•		120V	20A	12'	5-20P	120V	5-20R	12
5500-20L	Horizontal / Rack Mnt.	•		120V	20A	12'	L5-20P	120V	5-20R	12
5500-15N	Horizontal / Rack Mnt.		•	120V	15A	12'	5-15P	120V	5-15R	12
[B] 5500-20N	Horizontal / Rack Mnt.		•	120V	20A	12'	5-20P	120V	5-20R	12
5500-2NL	Horizontal / Rack Mnt.		•	120V	20A	12'	L5-20P	120V	5-20R	12
5505-190	Horizontal / Rack Mnt.	•		120V	15A	12'	5-15P	120V	5-15R	12

INPUT PLUG TYPES



OUTPUT RECEPTACLE TYPES





A



B

Leviton's 4500 Series Power Distribution Units (PDUs) provide the robust and economical solutions needed to power vital electronic equipment. Similar to the 5500 series, but without surge protection, the 4500 Series offers flexibility and economy for use in diverse applications.

4500 SERIES

- Resettable circuit breaker provides overload protection
- Available in 15- or 20-amp versions
- 20-amp versions available with either straight blade or locking input plug
- Easy-access on/off rocker switch
- 12 receptacles: 10 in back, 2 in front
- Mounts horizontally on 19" racks or cabinets
- Physical dimensions: 1.75" H x 19" W x 3" D

STANDARDS & CERTIFICATIONS

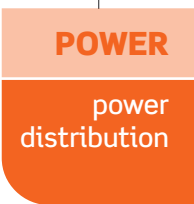
UL 1363 RECOGNIZED | #E118936

UL 60950-1 LISTED | #E228302

RECOMMENDED

APPLICATIONS:
(5500/5505/4500)

Telecommunications
Racks



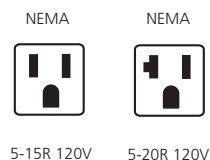
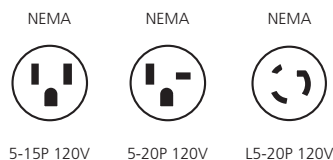
4500 SERIES RACK MOUNT POWER DISTRIBUTION UNITS (PDUs)

PART NO.	FOOTPRINT	ON/OFF SWITCH		INPUT				OUTPUT		
		YES	NO	INPUT VOLTAGE	AMPS	CORD LENGTH	INPUT PLUG	OUTPUT VOLTAGE	RECEPTACLE TYPE	RECEPTACLE QUANTITY
4515-07S	Horizontal / Rack Mnt.	•		120V	15A	7'	5-15P	120V	5-15R	12
[A] 4515-10S	Horizontal / Rack Mnt.	•		120V	15A	10'	5-15P	120V	5-15R	12
4515-15S	Horizontal / Rack Mnt.	•		120V	15A	15'	5-15P	120V	5-15R	12
4520-07S	Horizontal / Rack Mnt.	•		120V	20A	7'	5-20P	120V	5-20R	12
[B] 4520-10S	Horizontal / Rack Mnt.	•		120V	20A	10'	5-20P	120V	5-20R	12
4520-15S	Horizontal / Rack Mnt.	•		120V	20A	15'	5-20P	120V	5-20R	12
4520-07L*	Horizontal / Rack Mnt.	•		120V	20A	7'	L5-20P	120V	5-20R	12
4520-10L*	Horizontal / Rack Mnt.	•		120V	20A	10'	L5-20P	120V	5-20R	12
4520-15L*	Horizontal / Rack Mnt.	•		120V	20A	15'	L5-20P	120V	5-20R	12

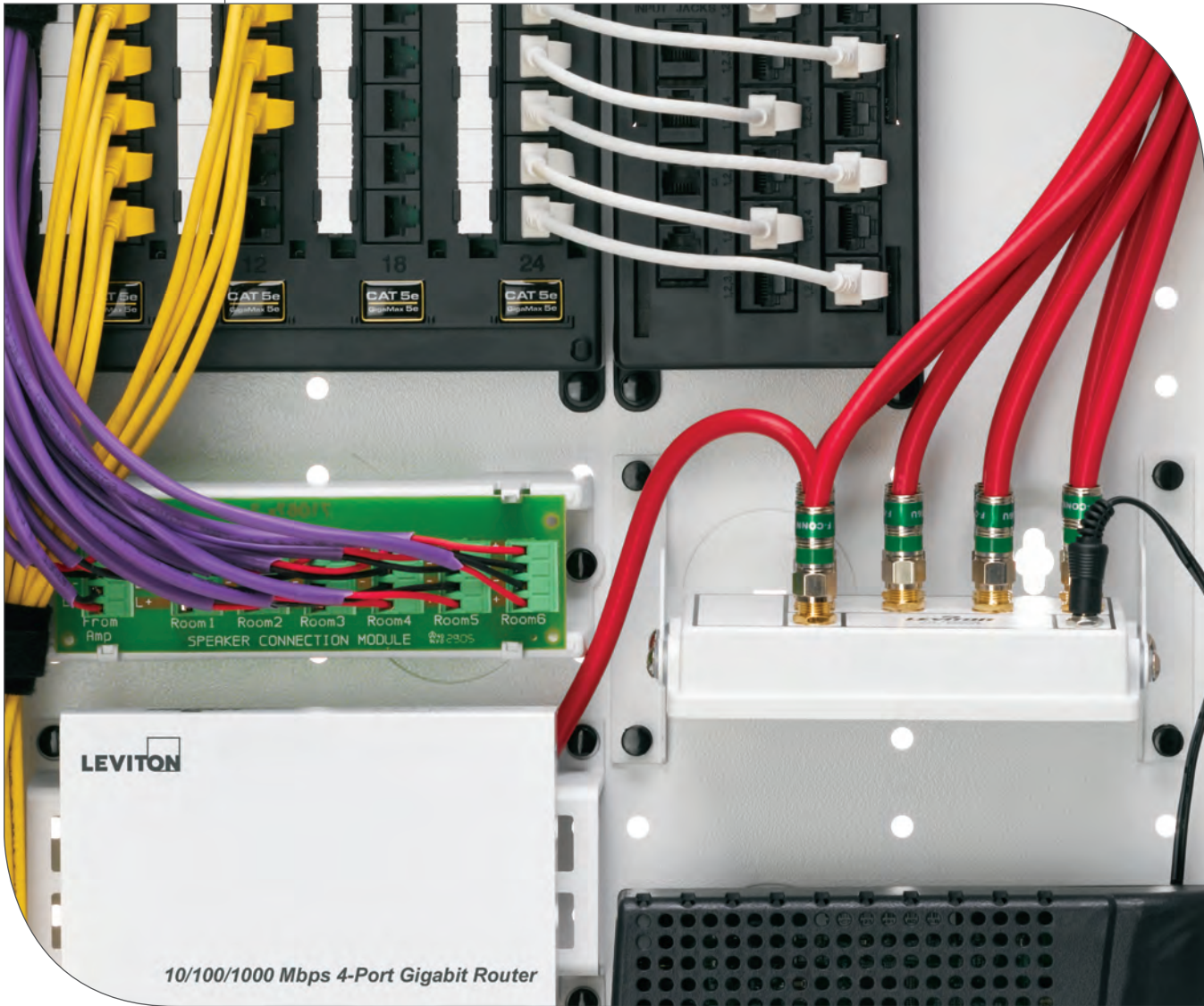
* 4520-07L formerly 4505-20L; 4520-10L formerly 4505-20T; 4520-15L formerly 4505-20F.

INPUT PLUG TYPES

OUTPUT RECEPTACLE TYPES



MDU SOLUTIONS



10/100/1000 Mbps 4-Port Gigabit Router

SECTION E CONTENTS

MULTIPLE DWELLING UNITS (MDU) SYSTEMS	E3	Features & Benefits
STRUCTURED MEDIA	E5	Structured Media® Center & Enclosures
	E9	Multi-Bay Enclosures
	E10	Populating The Structured Media Center
	E11	Mounting Brackets & Patch Cords
	E13	Twist & Mount Patch Panels
	E13	Telephone Input Distribution Panels (TIDP)
	E13	Compact Series Structured Media Cabling Panels
	E14	Standard Series Structured Media Cabling Panels
	E15	Modules & Expansion Boards
	E17	Power Supplies & Surge Protection
	E18	Data Networking
	E19	Video Distribution/Splitters
	E20	QuickPort® Connectors
	E21	Renu® Wallplates & Inserts
	E22	QuickPort Wallplates
	E23	Decora® Wallplates & Inserts
	E24	Cheetah Speed System®
AUDIO	E25	In-Wall/Ceiling Speakers
	E27	Outdoor Speakers
	E28	Home Theater Speakers
	E29	Harman/Kardon® A-BUS® Multi-Room Audio System
	E30	Volume Controls & Audio Distribution Modules
	E31	Home Theater & Recessed Devices

MDU SYSTEMS | The Connected Home Network

Want to increase occupancy rates and become the preferred property in the neighborhood? Make it easy for your customers to connect to the world of information, commerce, entertainment, and each other. That's where Leviton comes in, offering data, voice, audio, and video network service solutions to exceed your customer's expectations.

MDU PROJECTS ARE ONE OF THE FASTEST GROWING CONSTRUCTION MARKETS TODAY

- **Apartments & Condos**

Welcome to renter nation. Two-thirds of all new households formed in the next five years will be renters. Surround your tenants with technology; make it easy for them to connect.

- **Hotels & Hospitality**

Expectations for hotel technology are the same, if not greater, than at home. Create a home-like atmosphere for business travelers and vacationers alike with audio, video, and high speed Internet connectivity.



- **Hospitals & Healthcare**

Hospital technology is more than medical treatment. It's also the comfort and connectivity provided by familiar things like HDTV and high speed Internet. Leviton systems are the value add that can differentiate your projects in the market.

- **Mixed-Use Buildings**

Urban infill is in, putting residential, retail, and commercial in a shared building. A connected building can be the difference that attracts business and residential tenants. Leviton's enterprise grade connectivity systems are the whole building solution to serve your commercial and residential consumers.



MDU

the
connected
home

Leviton is providing contractors, developers, and integrators cost-effective solutions to stand out in the MDU market. Our market-leading residential and commercial structured wiring systems deliver the highest performance voice, audio, video, and data networks available.

INTERNET CONNECTIVITY

Voice, data, audio, and video ports support VoIP, IPTV, HDTV, Blu-Ray™, and streaming music and movies

HIGH-SPEED GAMING

Online games and multi-player experience with less lag time

SYSTEM SECURITY

Structured wiring offers better network security than wireless

INTEGRATED HOME THEATER

State-of-the-art distribution, speakers, and control modules bring the movie theater experience home

WHOLE-HOUSE AUDIO

A single playlist can be enjoyed in any connected room

EMPOWERED WI-FI

A wireless network within a structured wiring system provides high-speed connectivity and convenience



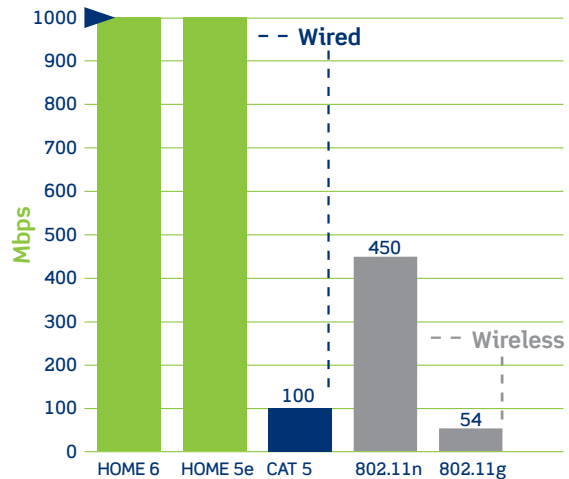
OPTIMIZING A HOME NETWORK

Wire Up for Speed, Security, and Reliability

Only a wired connection can deliver Gigabit performance. Wire up gaming consoles, IPTVs, set-top boxes, and any other stationary appliances for the best possible performance, data security, and signal reliability.

Go Wireless for Convenience and Mobility

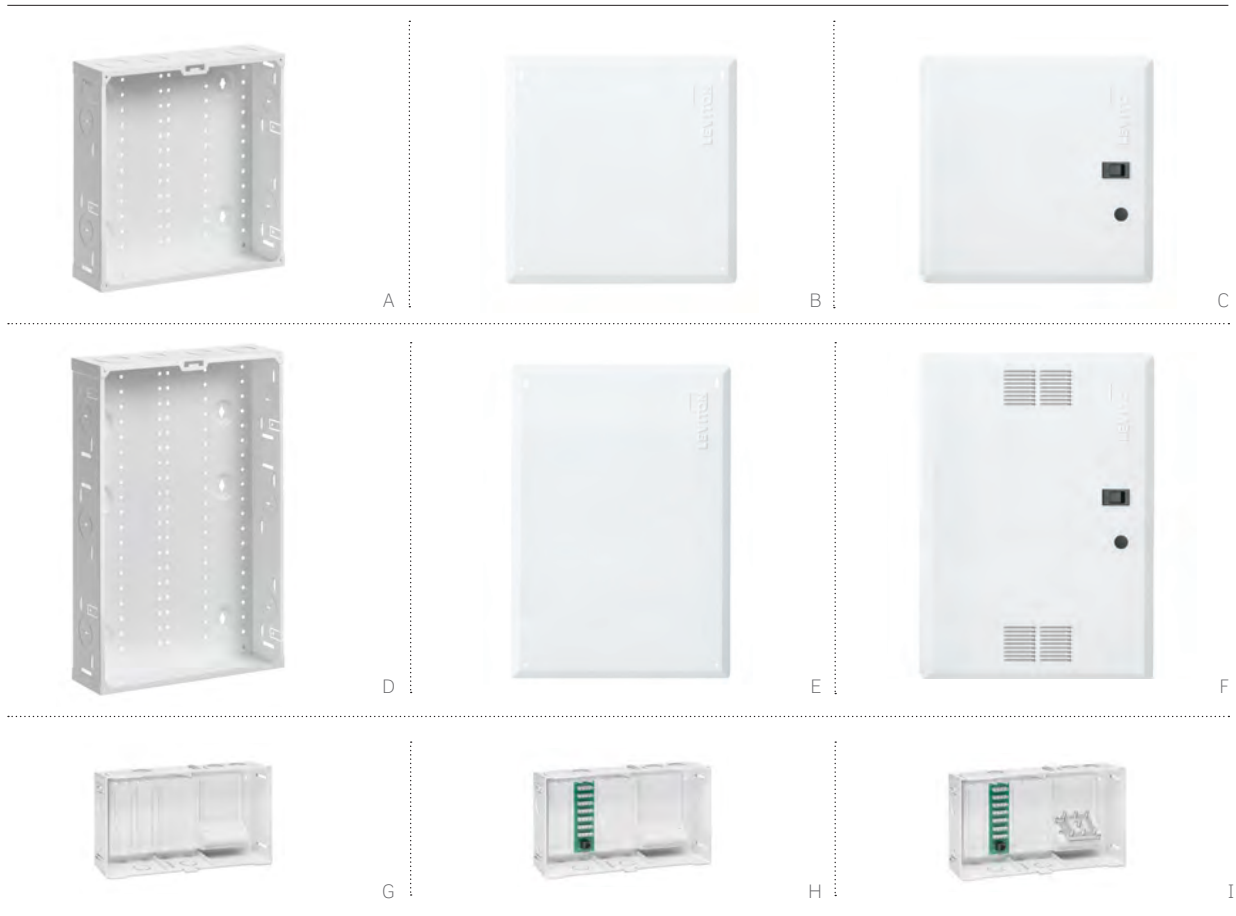
Wireless provides convenient broadband access for mobile devices, but even the latest Wi-Fi networking devices operate at only 45% of Gigabit speeds. And the more wireless devices on the network, the slower the connection for each. Reserve wireless for laptops, smartphones, and tablets; let a wired network do the heavy lifting.



Note: CAT 6 cabling allows for 2.5 times more bandwidth than CAT 5e due to improved error rejection.

MDU

the
connected
home



MDU

structured media centers

Leviton's Structured Media Center enclosures provide a convenient termination location for wiring home runs from wall outlets, creating a distribution point for voice, data, audio, and video applications. Available in compact, 14", 21", 28", and 42" sizes to address a broad range of capacities for single family homes, MDUs, and light commercial applications, Leviton Structured Media Center enclosures support new and retrofit installations.

STRUCTURED MEDIA CENTER ENCLOSURES, COVERS & DOORS

- Enclosures are constructed of white powder-coated 20-gauge steel
- Covers and doors are constructed of white powder-coated 18-gauge steel, and feature 3/4" overlap to hide irregular drywall cuts
- Expansion modules mount vertically or horizontally
- Multiple knock-outs on top and bottom facilitate cable entry and routing
- Cut-out in base of enclosure accommodates single- and double-gang J-boxes and power modules
- Six 3" self-healing foam grommets included to accommodate and protect cable bundles
- Mounting tabs on housing sidewalls prevent enclosure from falling through the studs during installation
- Standards compliance: ACA and cULus Listed
- Can be surface-mounted or recessed
- Combine two or more enclosures for larger installations or future expansion
- Optional lock and key set available for additional security
- For enclosure configuration assistance, go to Leviton.com/HomeConfig

14" & 21" ENCLOSURES, COVERS & DOORS

- Entry level home network enclosures create a central distribution point for low-voltage cabling
- Ideal for apartments, condos, and smaller homes
- 14" enclosure accommodates basic residential networking systems and accessories
- 21" enclosure provides additional room for larger modules and equipment
- 21" enclosure available with new vented door for improved air flow

COMPACT STRUCTURED MEDIA MDU ENCLOSURES

- Economical solution for MDU connectivity
- Flexibility to accommodate a variety of telephone/video distribution configurations
- Available empty with cover or in two pre-configured kits
- Snap-on cover requires no tools or fasteners
- Molded-in brackets provide quick snap-in convenience for expansion boards
- Angled video-splitter shelf for easy installation
- Hosts three expansion boards and one TV splitter
- Constructed of sturdy white ABS molded plastic
- cULus Listed for communications equipment

14" STRUCTURED MEDIA ENCLOSURES, COVERS & DOORS	
DESCRIPTION	PART NO.
14" Enclosure and Flush-Mount Cover, 15.32" (389.1 mm) H x 15.62" (396.7 mm) W x 3.83" (97.3 mm) D	47605-140
[A] 14" Enclosure only, 14.0" (355.6 mm) H x 14.38" (365.3 mm) W x 3.63" (92.2 mm) D	47605-14E
14" Multi-Dwelling Unit Configuration A Enclosure and Flush-Mount Cover, 15.32" (389.1 mm) H x 15.62" (396.7 mm) W x 3.83" (97.3 mm) D, (see page E8 for knock out configurations)	47605-1MG
[B] 14" Flush-Mount Cover, 15.32" (389.1 mm) H x 15.62" (396.7 mm) W x 0.20" (5.1 mm) D	47605-14C
14" Economy Hinged Door, 15.32" (389.1 mm) H x 15.62" (396.7 mm) W x 0.25" (6.4 mm) D	47605-14D
[C] 14" Premium Hinged Door, 15.32" (389.1 mm) H x 15.62" (396.7 mm) W x 0.25" (6.4 mm) D	47605-14P
14" Enclosure only, job packed, 6 per pack, 14.0" (355.6 mm) H x 14.38" (365.3 mm) W x 3.63" (92.2 mm) D	47605-14G
14" Flush-Mount Cover only, job packed, 6 per pack, 15.32" (389.1 mm) H x 15.62" (396.7 mm) W x 0.20" (5.1 mm) D	47605-14B
Structured Media Center Lock & Key for 14", 21", 28", and 42" hinged doors	5L000-L0K
21" STRUCTURED MEDIA ENCLOSURES, COVERS & DOORS	
DESCRIPTION	PART NO.
[D] 21" Enclosure only, 21.0" (533.4 mm) H x 14.38" (365.3 mm) W x 3.63" (92.2 mm) D	47605-21E
[E] 21" Flush-Mount Cover only, 22.35" (567.7 mm) H x 15.62" (396.7 mm) W x 0.20" (5.1 mm) D	47605-21C
[F] 21" Premium Vented Hinged Door, 22.35" (567.7 mm) H x 15.62" (396.7 mm) W x 0.25" (6.4 mm) D	47605-21S
Structured Media Center Lock & Key for 14", 21", 28", and 42" hinged doors	5L000-L0K
COMPACT STRUCTURED MEDIA MDU ENCLOSURE	
DESCRIPTION	PART NO.
[G] Compact Structured Media Enclosure and Cover, empty, 8.02" (203.7 mm) H x 14.38" (365.2 mm) W x 3.71" (94.2 mm) D	47605-MDU
Compact Structured Media Enclosure Cover only, 15.375" (390.5 mm) H x 9" (228.6 mm) W x .5" (12.7 mm) D	47605-MDC
[H] MDU Kit (Compact Structured Media Enclosure and Cover plus 1x6 Telephone Expansion Board), 8.02" (203.7 mm) H x 14.38" (365.2 mm) W x 3.71" (94.2 mm) D	47604-0F6
[I] MDU Kit (Compact Structured Media Enclosure and Cover plus 1x6 Telephone Expansion Board and 6-Way 1GHz Splitter), 8.02" (203.7 mm) H x 14.38" (365.2 mm) W x 3.71" (94.2 mm) D	47604-F6S

MDU

structured
media
centers



MDU
structured
media
centers

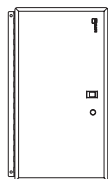
28" & 42" ENCLOSURES, COVERS & DOORS

- Command central for virtually all technology including networking, DSL, cable Internet modem, satellite video, camera, VoIP, fax, telephone, intercom, and audio
- Available in high-rise MDU configurations
- 28" enclosure accommodates up to 8 distribution modules
- 42" enclosure accommodates up to 12 distribution modules

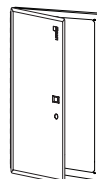
SPOTLIGHT Choosing Your Structured Media Center Enclosure Cover or Door



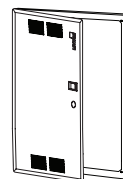
Standard Cover
Screws directly to enclosure frame.



Economy Hinged Door
Hinged flange attaches to left or right side of enclosure.



Premium Hinged Door
Full-frame design adds durability and security. Door hinges from left or right.

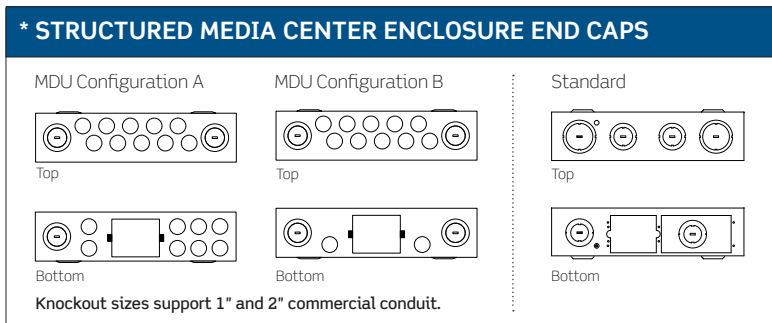


Premium Vented Hinged Door
For 21" enclosure only. Full-frame design. Ventilated door hinges from left or right.

28" STRUCTURED MEDIA ENCLOSURES, COVERS & DOORS	
DESCRIPTION	PART NO.
28" Enclosure and Flush-Mount Cover, 29.32" (744.7 mm) H x 15.62" (396.7 mm) W x 3.83" (97.3 mm) D	47605-28W
[A] 28" Enclosure only, 28.0" (711.2 mm) H x 14.38" (365.3 mm) W x 3.63" (92.2 mm) D	47605-28N
28" Multi-Dwelling Unit Configuration A Enclosure and Flush Mount Cover, 29.32" (744.7 mm) H x 15.62" (396.7 mm) W x 3.83" (97.3 mm) D*	47605-2MG
28" Multi-Dwelling Unit Configuration B Enclosure only, 28.0" (711.2 mm) H x 14.38" (365.3 mm) W x 3.63" (92.2 mm) D*	47605-M28
28" Flush-Mount Cover, 29.32" (744.7 mm) H x 15.62" (396.7 mm) W x 0.20" (5.1 mm) D	47605-F28
28" Economy Hinged Door, 29.32" (744.7 mm) H x 15.62" (396.7 mm) W x 0.25" (6.4 mm) D	47605-28D
[B] 28" Premium Hinged Door, 29.32" (744.7 mm) H x 15.62" (396.7 mm) W x 0.25" (6.4 mm) D	47605-28P
28" Enclosure only, job packed, 3 per pack, 28.0" (711.2 mm) H x 14.38" (365.3 mm) W x 3.63" (92.2 mm) D	47605-28G
28" Flush-Mount Cover only, job packed, 3 per pack, 29.32" (744.7 mm) H x 15.62" (396.7 mm) W x 0.20" (5.1 mm) D	47605-28B
[C] 28" Pre-Fab Back Plate, 25" (635.0 mm) H x 13.5" (342.9 mm) W x 0.38" (9.65 mm) D	47605-2BP
[G] Extender Bracket, 2" depth extension package for 28" Structured Media Centers**	47612-28B
Structured Media Center Lock & Key for 14", 21", 28", and 42" hinged doors	5L000-L0K

42" STRUCTURED MEDIA ENCLOSURES, COVERS & DOORS	
DESCRIPTION	PART NO.
42" Enclosure and Flush-Mount Cover, 43.32" (1,100.3 mm) H x 15.62" (396.7 mm) W x 3.83" (97.3 mm) D	47605-42W
[D] 42" Enclosure only, 42.16" (1,070.8 mm) H x 14.38" (365.3 mm) W x 3.63" (92.2 mm) D	47605-42N
42" Multi-Dwelling Unit Configuration A Enclosure and Flush-Mount Cover, 43.32" (1,100.3 mm) H x 15.62" (396.7 mm) W x 3.83" (97.3 mm) D*	47605-4MG
42" Multi-Dwelling Unit Configuration B Enclosure only, 42.16" (1,070.8 mm) H x 14.38" (365.3 mm) W x 3.63" (92.2 mm) D*	47605-M42
42" Flush-Mount Cover, 43.32" (1,100.3 mm) H x 15.62" (396.7 mm) W x 0.20" (5.1 mm) D	47605-F42
42" Economy Hinged Door, 43.32" (1,100.3 mm) H x 15.62" (396.7 mm) W x 0.25" (6.4 mm) D	47605-42D
[E] 42" Premium Hinged Door, 43.32" (1,100.3 mm) H x 15.62" (396.7 mm) W x 0.25" (6.4 mm) D	47605-42P
[F] 42" Pre-Fab Back Plate, 40.0" (1,016.0 mm) H x 13.5" (342.9 mm) W x 0.38" (9.65 mm) D	47605-4BP
[G] Extender Bracket, 2" depth extension package for 42" Structured Media Centers**	47612-42B
Structured Media Center Lock & Key for 14", 21", 28", and 42" hinged doors	5L000-L0K

MDU
structured
media
centers



Leviton Extender Brackets provide an additional 2" of depth and enhanced ventilation within Leviton 28" and 48" Structured Media Centers. The brackets attach between the enclosure and the cover to form a 2" deep, louvered frame. The increased depth also allows space for better cable management and for larger modules, such as audio amplifiers, to be mounted within the Structured Media Center.



**Extender Bracket (SMC sold separately)

G



MULTI-BAY ENCLOSURES

Multi-Bay Enclosures provide excellent termination and mounting locations for both in-home structured wiring and fiber-to-the-home (FTTH) components. Structured wiring components typically mount in the upper section of the dual enclosure and optical network termination (ONT) mounts in the lower section. The dual enclosure can be surface-mounted or mounted between metal or wood wall studs using provided screws for a clean and professionally finished appearance.

Specifications & Features

- Multi-bay enclosure design allows separate lockable sections for FTTH integration
- In a separate bay, a full Leviton structured wiring system can be easily connected and optimized up to Gigabit speeds to maximize incoming fiber optic connection
- Ideal for new installations or retrofits

MDU

structured media centers

MULTI-BAY ENCLOSURES

DESCRIPTION	PART NO.
14" + 14" Dual Enclosure, 29.64" (752.8mm) H x 14.30" (363.2mm) W x 3.63" (92.2mm) D	47FTH-440
[A] 28" + 14" Dual Enclosure, 46.64" (1,184.6mm) H x 14.30" (363.2mm) W x 3.63" (92.2mm) D	47FTH-840
28" + 14" + 14" Triple Enclosure, 59.22" (1,504.1mm) H x 14.30" (363.2mm) W x 3.63" (92.2mm) D	47FTH-844
42" + 14" Dual Enclosure, 57.64" (1,464.1mm) H x 14.30" (363.2mm) W x 3.63" (92.2mm) D	47FTH-420
14" + 14" + 14" Triple Enclosure, 45.22" (1,148mm) H x 14.30" (363.2mm) W x 3.63" (92.2mm) D	47FTH-240
[B] 28" + 28" Dual Enclosure, 57.64" (1,464.1mm) H x 14.30" (363.2mm) W x 3.63" (92.2mm) D	47FTH-880

SPOTLIGHT Multi-Bay Enclosure Center Bracket



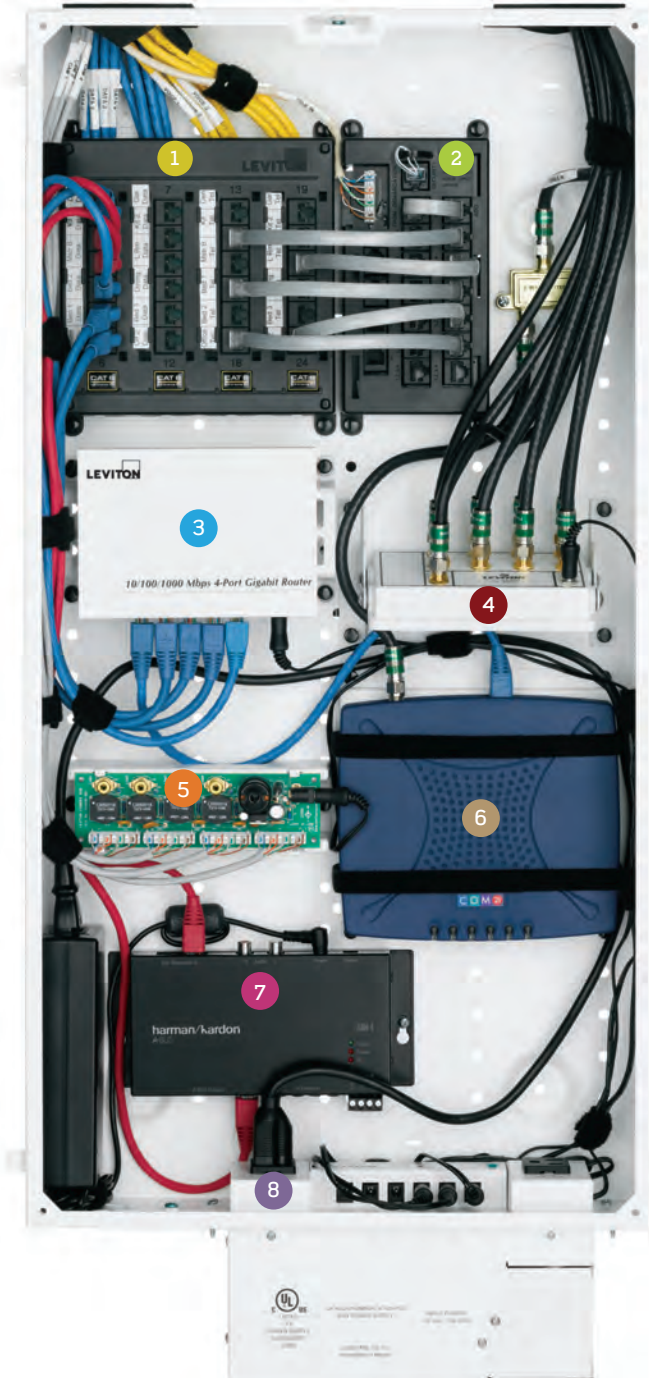
The specially engineered Multi-Bay Enclosure Center Bracket provides clearance for multiple enclosure covers, allowing secure access to both customer and service provider equipment. With multiple knockouts for different configurations, the center bracket provides a self-contained housing for electrical receptacles offering protection from Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI).

SPOTLIGHT The Connected Home Network

POPULATING THE STRUCTURED MEDIA® CENTER - THE NERVE CENTER OF THE CONNECTED HOME

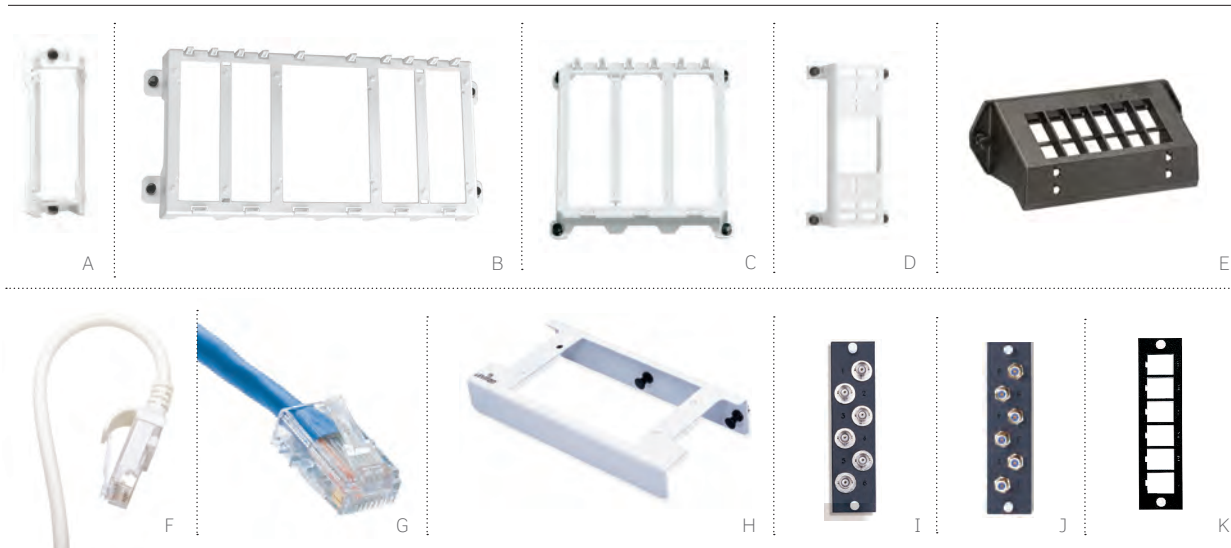
Get enterprise-grade, best-in-class broadband network performance capability with the Leviton Structured Media Center. All Structured Media solutions are engineered to work together, providing a clean and organized base and simplifying integration from rough-in through line activation. Solutions for every size connected home include:

- 1 High-Density Compact Cabling Panels**
Protective cable management with reliable CAT 5e or CAT 6 connectors
- 2 Telephone Input Distribution Panel (TIDP)**
Compact telephone service hub with terminated security test port
- 3 Gigabit Network Router**
Optimized for maximum speeds with 10/100/1000 CAT 6 network distribution
- 4 Amplified Video/TV Distribution Module**
SCTE/HDTV/DOCSIS transmission-compliant, premium grade distribution
- 5 Video Camera Interface Hub**
Distributes connectivity for up to four video surveillance cameras
- 6 ISP Modem (service provider supplied)**
Converts DSL, cable, or fiber optic signals for Internet access
- 7 Harmon Kardon® A-BUS® Multi-Room Audio**
4-zone content distribution with independent volume controls
- 8 Compact Power Supply**
Provides two NEMA 120 VAC and six 12 VDC power connections



Use the online Structured Media configurator to help design your structured wiring network at Leviton.com/HomeConfig.

MDU
structured media centers



MDU

mounting brackets & patch cords

MOUNTING BRACKETS

DESCRIPTION	PART NO.
[A] Single Plastic Bracket, for single expansion board, white	47612-SBK
[B] Expansion Plastic Bracket, for up to five expansion boards, white	47612-EBK
Shelf Plastic Bracket, for up to three expansion boards and CATV splitter, white	47612-VSB
[C] Half Plastic Bracket, for up to three expansion boards, white	47612-HBK
[D] Data Plastic Bracket, for mounting routers and switches	47612-DBK
[E] 12-Port SMC Bracket	47600-QPB

PATCH CORDS

DESCRIPTION	PART NO.
HOME 6™ Ultra High-Flex Patch Cord	6HHOM-xx*
[F] HOME 5e™ Ultra High-Flex Patch Cord	5HHOM-xx*
HOME 6 Standard Patch Cord	6LHOM-xx*
[G] HOME 5e Standard Patch Cord	5LHOM-xx*
8-Conductor Flat Telephone Patch Cord, 8' long	42400-8FG

xx = Length: 6' (6I), 1' (01), 2' (02), 3' (03), or 4' (04)

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



White (W)



Yellow (Y)



Red (R)



Blue (L)

MULTIMEDIA ADAPTER BRACKETS & MOUNTING PLATES

DESCRIPTION	PART NO.
[H] Multimedia Adapter Bracket	47612-MMA
[I] BNC Mounting Plate, 6-pack, loaded	5F100-BNC
[J] F-Connector Mounting Plate, 6-pack, loaded	5F100-6VF
[K] QuickPort® Mounting Plate, 6-pack, unloaded	5F100-6QP

MOUNTING BRACKETS

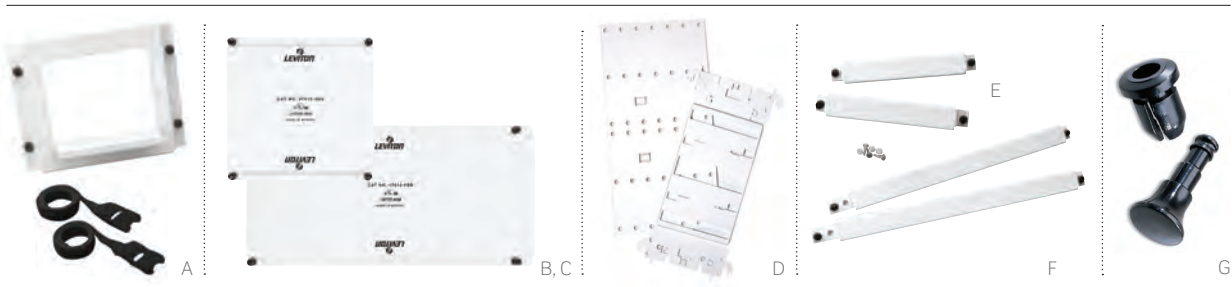
- Made of sturdy white ABS plastic
- Include push-lock pins
- Snap-in installation in any Leviton 14", 21", 28", or 42" Structured Media® Center
- Allow for cable management via routing under bracket
- 12-port bracket made of black polycarbonate
- 12-port bracket accepts all QuickPort® connectors

PATCH CORDS

- Available in CAT 6 and CAT 5e
- Low profile Ultra High-Flex Patch Cords allow tighter radius connections
- Available in five lengths and four colors

MULTIMEDIA ADAPTER BRACKET & MOUNTING PLATES

- Bracket is constructed of white powder-coated steel
- Plates are constructed of black powder-coated steel
- Bracket includes push-lock pins



UNIVERSAL SECURITY & SHELF BRACKETS

- Made of white powder-coated steel
- Includes push-lock pins

Universal Shelf Bracket

- Allows security batteries and other active products to be mounted inside any Leviton Structured Media® Center
- Includes four 8" long VELCRO® Brand strips, ensuring vertical and horizontal stability

Universal Security Board Mounting Plate

- Compact (6" width) and Standard (12" width) plates
- Includes four adhesive clips for mounting within any Leviton Structured Media Center

Combo Bracket

- Allows Leviton products to be installed in most non-Leviton structured wiring enclosures

Universal Mounting Brackets

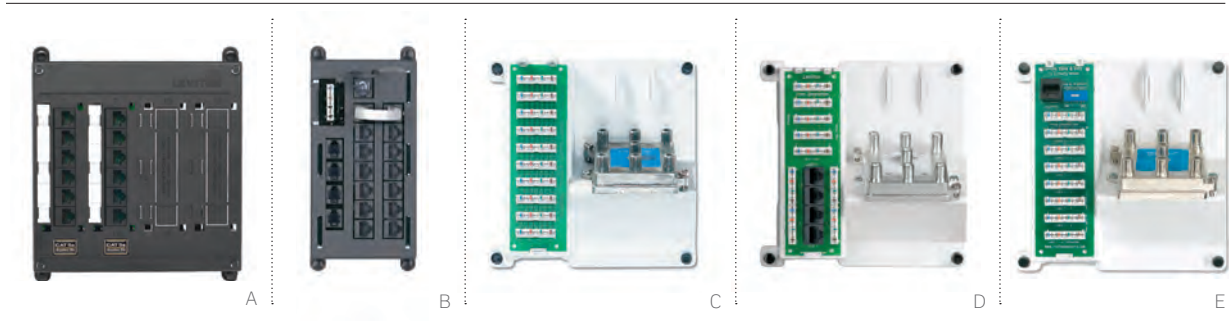
- Available in Compact (6" length) and Standard (12" length), both 1" wide
- Allows an unlimited number of upgrades (limited only by enclosure size) to be added to an existing security system terminated within any Leviton Structured Media Center
- Sold in pairs with self-tapping screws and spacers to easily connect the largest number of security alarm manufacturers' panels

MDU

mounting
brackets

UNIVERSAL SECURITY & SHELF BRACKETS

DESCRIPTION	PART NO.
[A] Universal Shelf Bracket	47612-UBK
[B] Compact Universal Security Board Mounting Plate	47612-HSB
[C] Standard Universal Security Board Mounting Plate	47612-FSB
[D] Combo Bracket	47612-CBK
[E] Compact Universal Mounting Bracket	47612-6SB
[F] Standard Universal Mounting Bracket	47612-1SB
[G] Push-Lock Pins (20 per pack)	47615-NYL



TWIST & MOUNT PATCH PANELS

- Low-profile, high-density, component-rated patching for both voice and Gigabit Ethernet connections
- Feature simple twist and mount installation
- Offered in CAT 6, CAT 5e, and CAT 6/CAT 5e combined configurations
- Universal T568A and T568B wiring labels ensure compatibility in both residential and commercial installations
- Meet or exceed all TIA-568-C.2 bend radius requirements
- Available in 12- and 24-port versions

TELEPHONE INPUT DISTRIBUTION PANELS (TIDP)

- Supports four line telephone distribution
- Offers choice of inputs and outputs: one 4-pair 110-style IDC input, four industry-standard RJ-11 jack inputs for use with "triple play" modems, or 12 modular industry-standard RJ-45 jack outputs
- Includes a security jack for interface with security systems
- Test and auxiliary disconnect outlet (ADO) ports for isolation and testing of telephone line connections
- Includes twelve 8" telephone patch cords

LOW-PROFILE / HIGH-DENSITY INTERCONNECT PATCH AND DISTRIBUTION PANELS

DESCRIPTION	PART NO.
Twist & Mount Patch Panel - 12 ports each of CAT 6 and CAT 5e (24 ports total)	476TM-654
Twist & Mount Patch Panel - 24 ports of CAT 6	476TM-624
Twist & Mount Patch Panel - 24 ports of CAT 5e	476TM-524
Twist & Mount Patch Panel - 6 ports each of CAT 6 and CAT 5e (12 ports total)	476TM-652
Twist & Mount Patch Panel - 12 ports of CAT 6	476TM-612
[A] Twist & Mount Patch Panel - 12 ports of CAT 5e	476TM-512
[B] Telephone Input Distribution Panel (TIDP)	476TL-T12

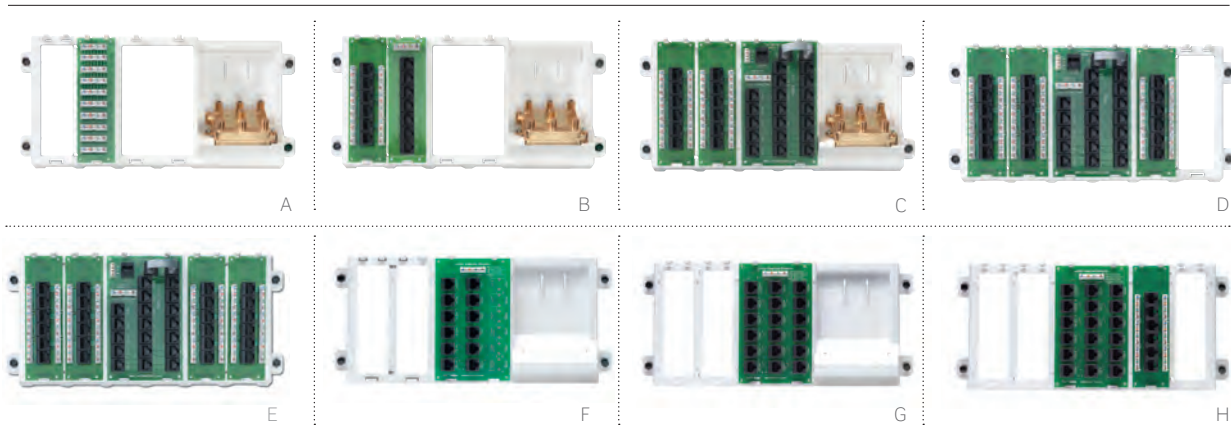
PRE-CONFIGURED COMPACT STRUCTURED MEDIA CABLING PANELS

- Compact series (6" width) is an ideal solution for basic telephone, data, security interface, and TV distribution in MDUs where space and budget are of primary concern
- Space-saving profile provides four to nine bridged telephone connections, up to four CAT 5e data connections, and up to eight video connections, depending on the panel selected

PRE-CONFIGURED STRUCTURED MEDIA CABLING PANELS - COMPACT WIDTH (6")

DESCRIPTION	PART NO.
1x9 Bridged Telephone and 4-way 1GHz TV Splitter	47603-1G4
[C] 1x9 Bridged Telephone and 6-way 1GHz TV Splitter	47603-1G6
1x9 Bridged Telephone and 8-way 1GHz TV Splitter	47603-1G8
[D] 1x4 Bridged Telephone, 4 Data, and 6-way 1GHz TV Splitter	47603-DP6
[E] 1x7 Bridged Telephone, Security Interface, and 6-way 1GHz TV Splitter	47603-TSV

All Low-Profile / High-Density Interconnect Panels include a black ABS plastic mounting bracket.



PRE-CONFIGURED STANDARD STRUCTURED MEDIA CABLING PANELS

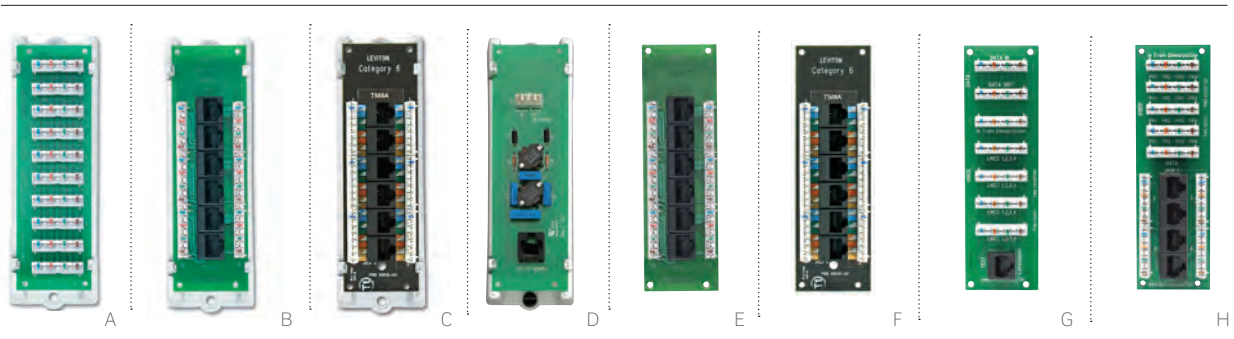
- Standard series (12" width) pre-configured panels combine voice, data, and TV modules into a single, simple distribution point
- Pre-configured options available with room for additional expansion boards

PRE-CONFIGURED STRUCTURED CABLING PANELS - STANDARD WIDTH (12")

DESCRIPTION	FEATURES	PART NO.
[A] Basic Telephone & Video Panel	- One 1x9 Bridged Telephone Board - One 6-way 2 GHz TV Splitter	47606-BTV
[B] Basic Home Networking Plus Panel	- One Telephone Patching Board - One CAT 5e Voice & Data Board - Six 4-line telephone connections - One 6-way 2 GHz TV Splitter	47606-BNP
Advanced Home Telephone & Video Panel	- One Telephone Line Distribution Board - 19 multi-line telephone connections (in various combinations of two or four lines) - One CAT 5e Voice & Data Board - One 6-way 2 GHz TV Splitter	47606-AHT
[C] Advanced Home Office Panel	- One Telephone Line Distribution Board - 19 multi-line telephone connections (in various combinations of two or four lines) - Two CAT 5e Voice & Data Boards - One 6-way 2 GHz TV Splitter	47606-ASO
12-Port Structured Media Panel	- One Telephone Line Distribution Board - 19 multi-line telephone connections (in various combinations of two or four lines) - Two CAT 5e Voice & Data Boards	47603-12P
[D] 18-Port Structured Media Panel	- One Telephone Line Distribution Board - 19 multi-line telephone connections (in various combinations of two or four lines) - Three CAT 5e Voice & Data Boards	47603-18P
[E] 24-Port Structured Media Panel	- One Telephone Line Distribution Board - 19 multi-line telephone connections (in various combinations of two or four lines) - Four CAT 5e Voice & Data Boards	47603-24P
[F] 4x12 Telephone Distribution Module	- One 4x12 Telephone Distribution Module	47603-12M
4x12 Telephone Distribution Module w/ Splitter	- One 4x12 Telephone Distribution Module - One 8-way 2 GHz TV Splitter	47603-412
[G] 4x18 Telephone Distribution Module	- One 4x18 Telephone Distribution Module	47603-18M
[H] 4x18 Telephone Distribution Module w/ CAT 5e Board	- One 4x18 Telephone Distribution Module - One CAT 5e Voice & Data Board	47603-8C1

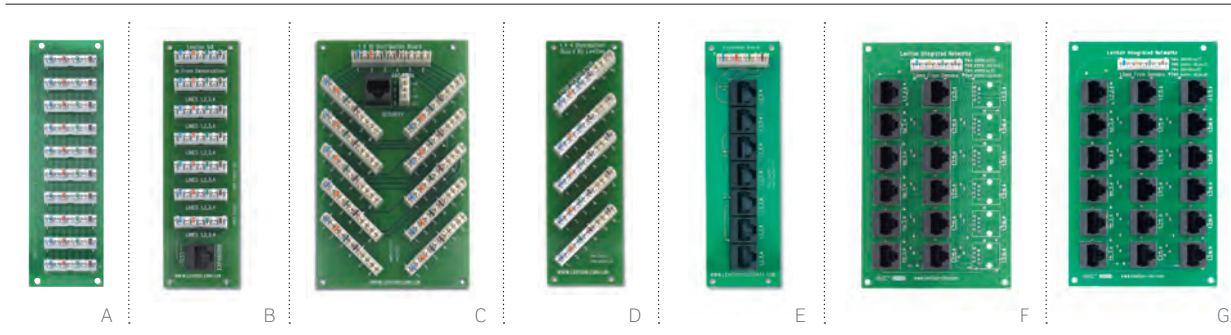
MDU

cabling panels



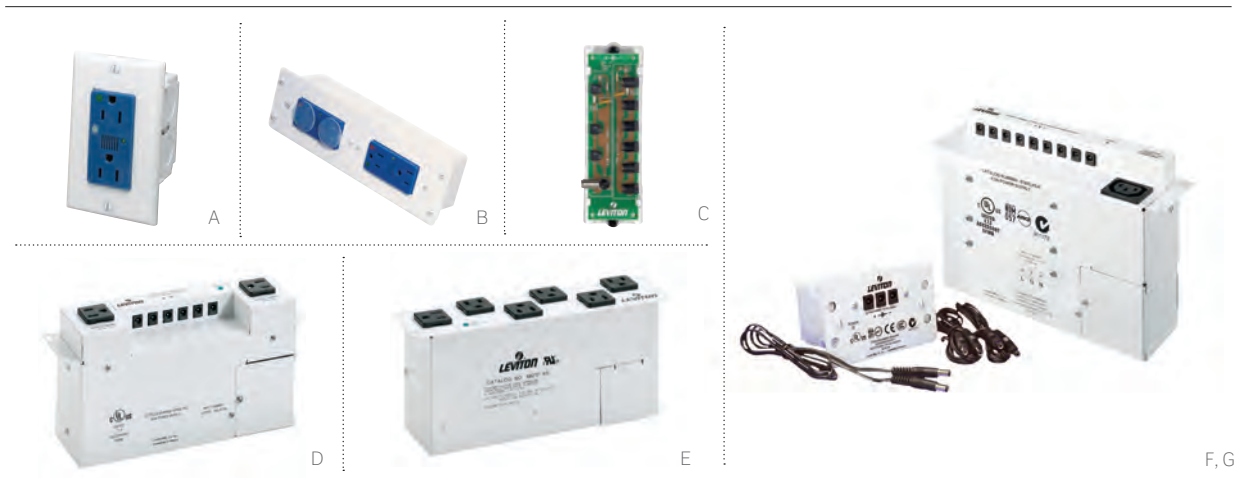
STAND-ALONE MODULES WITH BRACKETS		
DESCRIPTION		PART NO.
[A]	1x9 Bridged Telephone Module	47689-00B
[B]	CAT 5e Voice & Data Module	47605-C5B
[C]	CAT 6 Voice & Data Module	47611-C6B
[D]	DSL Filter Module	47616-DSB
	Telephone Security Module	47609-TSV

EXPANSION BOARDS			
DESCRIPTION	APPLICATION	FEATURES	PART NO.
[E] CAT 5e Voice and Data Board	Data, Telephone, Fax, Modem	<ul style="list-style-type: none"> - Patch phone or data connections to six locations - Combine with a TLDM, key system, or network switches for added applications - 4-pair 110-type IDC punchdowns - Six CAT 5e RJ-45 ports - Printed circuit board 	47603-0C5
[F] CAT 6 Voice and Data Board	Data, Telephone, Fax, Modem	<ul style="list-style-type: none"> - TIA-568-C channel-rated for Gigabit Ethernet - Combine with Gigabit Internet Router or Ethernet Switch for additional applications - 4-pair 110-type IDC punchdowns and six CAT 6 connectors 	47611-0C6
[G] VDSL Board w/ 1x5 Bridged Phone w/ Data Passthrough IDCs	Data, Telephone, Modem	<ul style="list-style-type: none"> - Bridge up to four telephone lines to five locations - Connect up to five separate telephones per line - IDC connectors for CAT 5 or CAT 5e wire - Termination point and pass-through for a data connection via IDCs up to 150 MHz 	47609-D5P
[H] Combo Phone & Data Board w/ 1x4 Bridged Phone and 4-Port CAT 5e	Data, Telephone	<ul style="list-style-type: none"> - Provides data and phone connections on a single board - 1x4 phone portion provides four telephone lines up to four locations via IDC punchdowns - Four ports of CAT 5e 150 MHz data connections via modular RJ-45 connectors and 4-pair 110-type IDC punchdowns 	47609-4DP



EXPANSION BOARDS (CONTINUED)			
DESCRIPTION	APPLICATION	FEATURES	PART NO.
[A] 1x9 Bridged Telephone Board	Telephone, Fax, Modem	<ul style="list-style-type: none"> - Bridge up to four telephone lines to nine locations - Connect up to nine separate telephones per line - Printed circuit board - 4-pair 110-type IDC punchdowns 	47603-110
[B] 1x6 Bridged Telephone Board	Telephone, Fax, Modem	<ul style="list-style-type: none"> - Bridge up to four telephone lines to six locations - Connect up to six separate telephones per line - Printed circuit board - IDC connectors for CAT 5 or CAT 5e wire - RJ-45 expansion port 	47609-0F6
[C] 1x10 Bridged Telephone Board	Telephone, Fax, Modem	<ul style="list-style-type: none"> - Bridge up to six telephone lines to ten locations - Connect up to ten separate telephones per line - Printed circuit board - IDC connectors for CAT 5 or CAT 5e wire - Security port - Punchdown security interface to accommodate alarm systems 	47609-S10
[D] 1x4 Bridged Telephone Board	Telephone, Fax, Modem	<ul style="list-style-type: none"> - Bridge up to four lines to four locations via IDC punchdowns 	47609-004
[E] Telephone Patching Board/ Expanded 4-line Telephone Distribution	Telephone, Fax, Modem	<ul style="list-style-type: none"> - Bridge up to four telephone lines to seven locations - Printed circuit board module - One incoming 4-pair 110-type IDC punchdown - Seven outgoing RJ-45 connector connections - Combine with a CAT 5e board to route telephone to remote locations 	47609-EMP
DSL Filter Board	Telephone, Modem	<ul style="list-style-type: none"> - Filters DSL signal from phone line before distribution throughout home or office - Eliminates need for individual filters at wallplate - Use with any phone distribution module - Printed circuit board module w/ RJ-45 connector and 110-type punchdown 	47616-DSF
Telephone Line Distribution Board	Telephone, Fax, Modem	<ul style="list-style-type: none"> - 19 multi-line telephone connections in combinations of two or four lines - Bridge "line 1" service to 12 locations and 4-line service to 8 locations - Connect to CAT 5e Voice & Data Board(s) or additional panels for more connections and easier moves/adds/changes - Independent RJ-45 connector and punchdown security interface to accommodate alarm systems 	47603-TDM
[F] 4x12 Telephone Distribution Board	Telephone, Fax	<ul style="list-style-type: none"> - Bridge up to four telephone lines to twelve locations 	47603-12B
[G] 4x18 Telephone Distribution Board	Telephone, Fax	<ul style="list-style-type: none"> - Bridge up to four telephone lines to eighteen locations 	47603-18B

MDU
expansion boards



SURGE-PROTECTION, STANDARD AC POWER MODULES & J-BOX KITS

- Fit in 14", 21", 28", and 42" Structured Media® Center enclosures
- Surge protected versions provide enhanced protection and EMI/RFI filtering per UL 1449 standards

DC BUS

- Eliminates need for more than two AC/DC power adapters
- Contains six 12 VDC power outputs at up 1500 mA total
- Contains three 24 VDC power outputs at up to 1000 mA total including one F-connector
- Output power cables included for all except 24 VDC F-connector connection

VERSATILE DC POWER SUPPLIES

- 120 VAC - 60 Hz input
- Six 12 VDC outputs with surge protection at 3.34A total
- Two NEMA 5-15 AC receptacles at 15A total

AC SURGE MODULES

- Includes six surge-protected NEMA 5-15P receptacles
- Allows six AC/DC power adapters to fit easily into Structure Media Center Enclosures
- Powers routers, switches, modems, volume controls, camera hubs, and other SMC mounted devices

UNIVERSAL MINI DC POWER SUPPLIES

- 90 - 264 VAC - 50/60 Hz input
- Three 12 VDC outputs with surge protection at 833 mA total

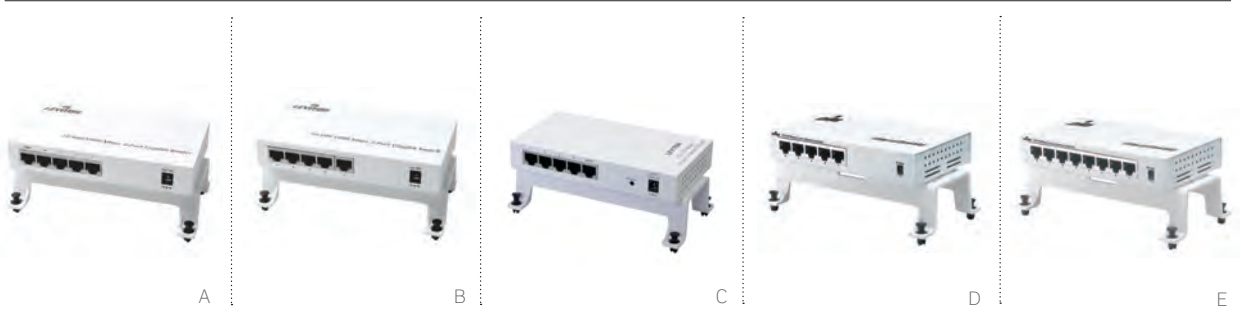
UNIVERSAL DC POWER SUPPLIES

- 100 - 240 VAC - 50/60 Hz input
- Nine 12 VDC outputs with surge protection at 3.34 A total
- One IEC AC power receptacle
- For North American and international use

MDU

power supplies

POWER SUPPLIES	
DESCRIPTION	PART NO.
[A] Surge J-Box Kit, one duplex receptacle, wallplate	47605-ACS
Non-Surge J-Box Kit, one duplex receptacle, wallplate	47605-ACN
[B] Surge AC Power Module, two duplex receptacles	47605-ODP
Non-Surge AC Power Module, two duplex receptacles	47605-NDP
[C] DC Bus, 12 VDC and 24 VDC	48212-124
[D] Versatile Power Supply, six 12 VDC connectors and two NEMA 15 A receptacles	47605-PSC
[E] AC Surge Module, six receptacles	48212-06S
[F] Universal Mini DC Power Supply, three 12 VDC connectors	47605-PSB
[G] Universal DC Power Supply, nine 12 VDC connectors and one IEC AC receptacle	47605-PSA
IEC TO NEMA 15A Adapter Power Cord, 12" (accessory for 47605-PSA)	48212-IEC



10/100/1000 GIGABIT ROUTERS

- Delivers fast, reliable broadband distribution throughout the residential network
- Multiple VPN capability allows individual users to securely access separate VPNs over the same connection
- LEDs indicate power; LINK/Activity; and 10, 100, or 1000 Mbps
- Quality of Service (QoS) for VoIP and video streaming
- Built-in network address translation (NAT) firewall protects networks and provides secure communication even during multiple VPN use
- URL blocking feature filters unwanted sites
- UPnP (Universal Plug-n-Play) allows automatic discovery and configuration of the Gateway UPnP supported through Windows Vista® or later
- Scheduling feature for parental control of Internet access periods
- Upgradeable by firmware updates at leviton.com

10/100 ROUTERS

- Enables multiple users to share a single, secure high-speed Internet connection
- Includes four ports for in-home LAN connections

10/100/1000 GIGABIT ETHERNET SWITCHES

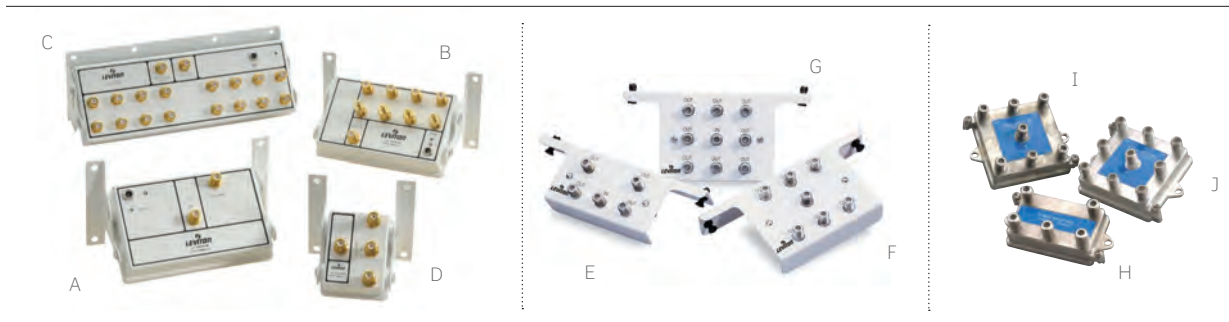
- 10/100/1000 Mbps data transfer rate
- Five RJ-45 connector Mbps LAN ports
- LEDs indicate power; LINK/Activity; and 10, 100, or 1000 Mbps
- Plug-n-play installation
- Auto detect uplink to easily cascade additional hubs, switches, and routers from any port
- Features high-performance, store-and-forward switching architecture with CRC

10/100 ETHERNET SWITCHES

- Network additional PCs, printers, and other peripherals beyond router capacity
- Connects to many home office Ethernet devices
- Available in 5- and 8-port versions

MDU
data
networking

DATA NETWORKING ROUTERS & SWITCHES	
DESCRIPTION	PART NO.
[A] 10/100/1000 Gigabit 4-Port Router, 2.56" H x 6.50" W x 3.94" D	47611-GB4
[B] 10/100/1000 Gigabit 5-Port Ethernet Switch, 2.52" H x 6.50" W x 3.54" D	47611-5GB
[C] 10/100 4-Port Internet Router, 2.52" H x 6.50" W x 3.54" D	47611-GT4
[D] 10/100 5-Port Ethernet Switch, 2.52" H x 6.50" W x 3.54" D	47611-5PT
[E] 10/100 8-Port Ethernet Switch, 2.52" H x 6.50" W x 3.54" D	47611-8PT



PREMIUM AMPLIFIED CATV/HDTV MODULE

- Bi-directional circuitry supports advanced interactive applications, as well as standard inputs
- Forward path internal amplifier provides equal input and output level on all ports; reverse path is not affected
- HDTV and digital cable ready, SCTE- and DOCSIS-compliant

3X1 PASSIVE COMBINER MODULE

- Digital CATV compatible
- Provides bi-directional signal path to support cable modem or digital cable communications
- F-ports provide up to 15 PSI weather sealing

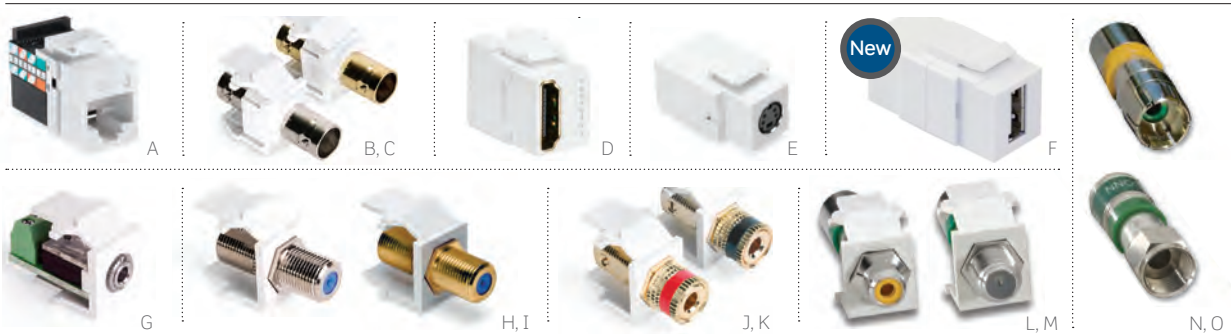
PASSIVE TV/CATV SPLITTERS

- Split signals to four, six, or eight TVs throughout the home
- Provide digital cable, cable TV, and other TV services via coaxial cable
- Lightweight, strong die-cast housing
- HDTV and digital cable ready
- SCTE-compliant

MDU

video distribution

PREMIUM CATV MODULES 1X4, 1X6 & 1X8 PASSIVE TV SPLITTERS		
DESCRIPTION	1 GHZ	
[A] 1x1 Premium CATV Module	47693-01P	
[B] 1x8 Premium CATV Module	47693-08P	
[C] 1x16 Premium CATV Module	47693-16P	
[D] 3x1 Passive Combiner	47693-31P	
1X4, 1X6 & 1X8 PASSIVE TV SPLITTERS W/ MOUNTING BRACKET		
DESCRIPTION	1 GHZ	2 GHZ
[E] 1x4 Passive TV Splitter w/ bracket for 14", 21", 28", and 42" SMCs	47690-04C	47690-4C2
[F] 1x6 Passive TV Splitter w/ bracket for 14", 21", 28", and 42" SMCs	47690-06C	47690-6C2
[G] 1x8 Passive TV Splitter w/ bracket for 14", 21", 28", and 42" SMCs	47690-08C	47690-8C2
1X4, 1X6, & 1X8 PASSIVE TV SPLITTERS		
[H] 1x4 Passive TV Splitter	47690-004	47690-0G4
[I] 1x6 Passive TV Splitter	47690-006	47690-0G6
[J] 1x8 Passive TV Splitter	47690-008	47690-0G8

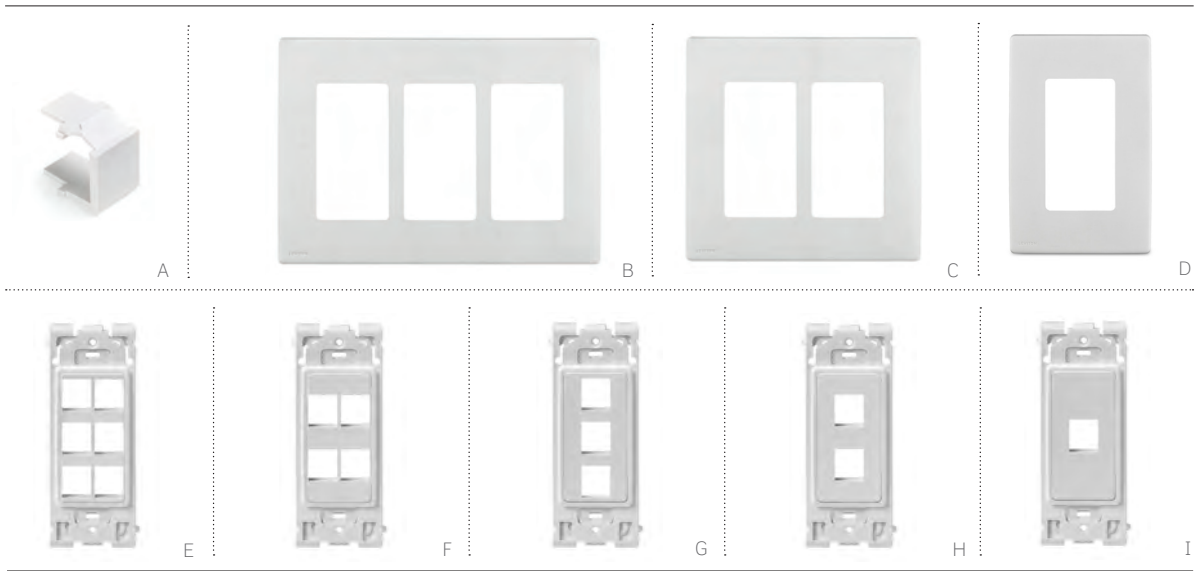


QUICKPORT CONNECTORS		
DESCRIPTION	APPLICATIONS	PART NO.
CAT 5 Connector	Voice & low-speed data	41108-R#5
CAT 3 Connector	Voice & low-speed data	41108-R#3
[A] GigaMax 5e CAT 5e Connector	High-speed data	5G108-R#5
Voice Grade 6-Conductor Connector	Voice	41106-R#6
Voice Grade 8-Conductor Connector	Voice	41108-R#8
[B] BNC Bulkhead Module, standard	CCTV & video	41084-B*F
[C] BNC Bulkhead Module, gold plated	CCTV & video	40832-0B°
[D] HDMI Passthrough	TV, DVD, satellite & home theater	40834-00#
[E] S-Video Feedthrough	Enhanced video streams	40734-CV~
[F] USB A-A Connector, feedthrough	Computers & peripherals	40835-00~
[G] 3.5 mm Stereo, screw terminal	Computer audio	40839-S~S
[H] F-Connector, standard, 3.0 GHz	TV, DVD, satellite & home theater	41084-F*F
[I] F-Connector, gold plated, 3.0 GHz	TV, DVD, satellite & home theater	40831-0B°
RCA to 110	Advanced audio & video	40735-Rx†
RCA w/ black stripe	Advanced audio & video	40830-B*E
RCA w/ red stripe	Advanced audio & video	40830-B*R
RCA w/ yellow stripe	Advanced audio & video	40830-B*Y
RCA w/ green stripe	Advanced audio & video	40830-B~V
RCA w/ blue stripe	Advanced audio & video	40830-B~L
Banana Jack Adapter, gold plated w/ black stripe	Advanced audio	40837-B*E
Banana Jack Adapter, gold plated w/ red stripe	Advanced audio	40837-B*R
[J] Binding Post Adapter, gold plated w/ black stripe	Advanced audio	40833-B*E
[K] Binding Post Adapter, gold plated w/ red stripe	Advanced audio	40833-B*R
Snap-in Blank Module	Secures unused ports	41084-B*B
[L] QuickPort Compression RCA Connector	Advanced audio & video	40782-R•W
[M] QuickPort Compression F-Connector (white only)	TV, DVD, satellite & home theater	40782-CPF
[N] RCA Compression Connector (colored rings included)	CCTV & video	40985-CRU
[O] Compression F-Connector	CCTV & video	40985-CRF



~ = Color: White (W), Ivory (I)
 x = Inner Barrel Color: Orange (O), Red (R), White (W), Yellow (Y) Ivory (I)
 † = Color: White (W), Light Almond (T), Ivory (I), Grey (G), Black (E)
 • = Inner Barrel Color: Black (E), Yellow (Y), Red (R), Blue (L), Green (V)
 ‡ = Color: Choose from any of the 13 colors shown at left
 * = Color: White (W), Light Almond (T), Ivory (I), Grey (G), Black (E), Brown (B)
 ° = Color: White (W), Light Almond (T), Ivory (I)
 # = Color: White (W), Light Almond (T), Ivory (I), Black (E)

MDU
 quickport
 connectors



Introducing Renu, Leviton's smart new electrical and data connectivity system. QuickPort® compatible wallplates snap on and off quickly and easily with no tools, simplifying installation and ongoing maintenance. Choose from wallplates and inserts in White On White, Navajo Sand, and Onyx Black.

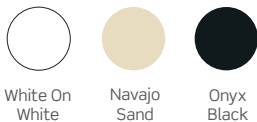
RENU WALLPLATES AND INSERTS

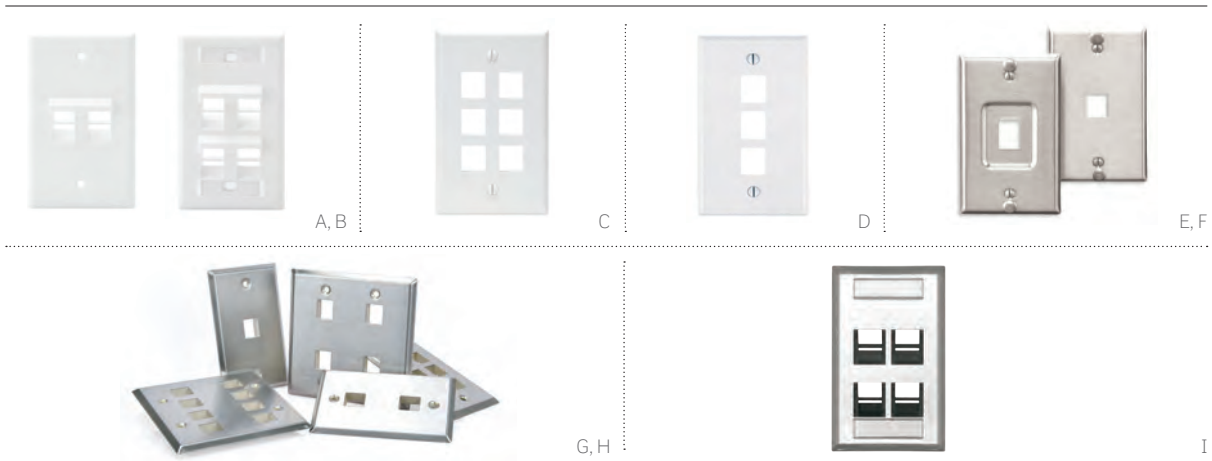
- Inserts accept all QuickPort connectors
- Screwless wallplates easily snap on to any Renu insert or device
- Slightly larger size covers wall imperfections
- Tongue and groove design simplifies alignment in multi-gang installations
- Adapter ring allows use of Decora® device with Renu wallplates
- Available in three standard colors to coordinate with the commercial-grade QuickPort line (white, light almond, black)
- Additional wallplate colors for switches, dimmers, and outlets available; visit www.leviton.com/renu
- cULus Listed
- 1 year limited warranty

MDU

renu wallplates & inserts

RENU WALLPLATES & INSERTS			
DESCRIPTION	WHITE ON WHITE	NAVAJO SAND	ONYX BLACK
[A] Snap-In Blank Module	RE640-BWW	RE640-BNS	RE640-BOB
Four-Gang Wallplate	REWP4-0WW	REWP4-0NS	REWP4-0OB
[B] Three-Gang Wallplate	REWP3-0WW	REWP3-0NS	REWP3-0OB
[C] Dual-Gang Wallplate	REWP2-0WW	REWP2-0NS	REWP2-0OB
[D] Single-Gang Wallplate	REWP1-0WW	REWP1-0NS	REWP1-0OB
[E] 6-Port Insert	RE640-WW6	RE640-NS6	RE640-OB6
[F] 4-Port Insert	RE640-WW4	RE640-NS4	RE640-OB4
[G] 3-Port Insert	RE640-WW3	RE640-NS3	RE640-OB3
[H] 2-Port Insert	RE640-WW2	RE640-NS2	RE640-OB2
[I] 1-Port Insert	RE640-WW1	RE640-NS1	RE640-OB1





QUICKPORT FLUSH-MOUNT & ANGLED WALLPLATES

- Angled ports relieve stress on equipment cords
- Manufactured from ABS plastic for superior durability

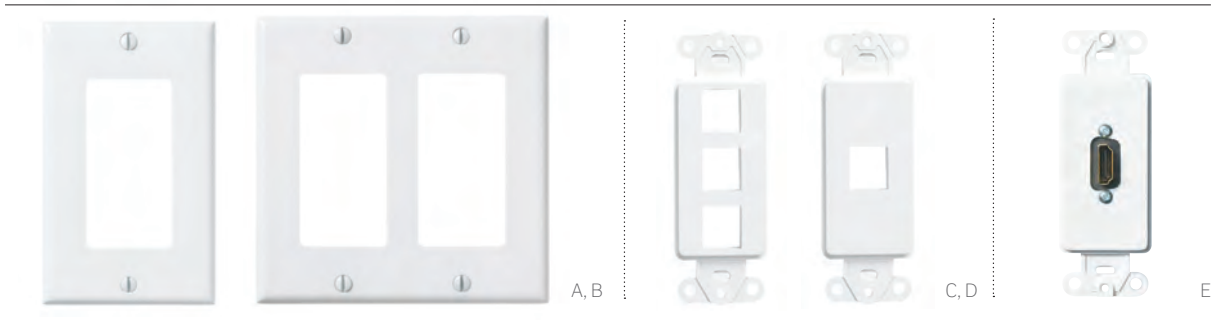
QUICKPORT STAINLESS STEEL WALLPLATES

- Manufactured from 304 stainless steel in a brushed finish to provide corrosion resistance in a non-magnetic material
- Angled wallplate ports facilitate proper front and rear cable bend radius

QUICKPORT ANGLED WALLPLATES					
DESCRIPTION	WHITE	LIGHT ALMOND	IVORY		
4-Port Wallplate	41081-4WP	41081-4TP	41081-4IP		
[A] 2-Port Wallplate	41081-2WP	41081-2TP	41081-2IP		
[B] 4-Port Wallplate w/ ID window	42081-4WS	42081-4TS	42081-4IS		
2-Port Wallplate w/ ID window	42081-2WS	42081-2TS	42081-2IS		
QUICKPORT FLUSH-MOUNT WALLPLATES					
DESCRIPTION	WHITE	LIGHT ALMOND	IVORY		
[C] 6-Port Flush Mount, polybag, standard carton	41080-6WP	41080-6TP	41080-6IP		
4-Port Flush Mount, polybag, standard carton	41080-4WP	41080-4TP	41080-4IP		
[D] 3-Port Flush Mount, polybag, standard carton	41080-3WP	41080-3TP	41080-3IP		
2-Port Flush Mount, polybag, standard carton	41080-2WP	41080-2TP	41080-2IP		
1-Port Flush Mount, polybag, standard carton	41080-1WP	41080-1TP	41080-1IP		
QUICKPORT STAINLESS STEEL WALLPHONE PLATE		Recessed	Flush		
	[E] 4108W-1SP		[F] 4108W-OSP		
QUICKPORT SINGLE-GANG STAINLESS STEEL WALLPLATES					
DESCRIPTION	1-PORT	2-PORT	3-PORT	4-PORT	6-PORT
[G] Single-Gang Wallplate	43080-1S1	43080-1S2	43080-1S3	43080-1S4	43080-1S6
QUICKPORT DUAL-GANG STAINLESS STEEL WALLPLATES					
DESCRIPTION	2-PORT	4-PORT	6-PORT	8-PORT	12-PORT
[H] Dual-Gang Wallplate	43080-2S2	43080-2S4	43080-2S6	43080-2S8	43080-2S12
QUICKPORT ANGLED STAINLESS STEEL WALLPLATES WITH ID WINDOWS					
DESCRIPTION	PART NO.				
[I] 4-Port Angled Wallplate, single-gang	43081-1L4				

Midsized plates in plastic and high-impact nylon also available. See page A46 or call Inside Sales at 1-800-722-2082.





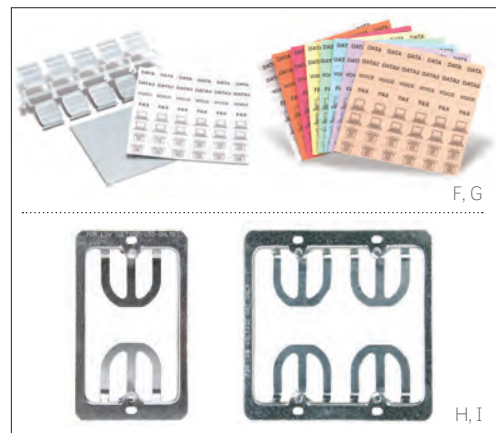
DECORA SINGLE- & DUAL-GANG WALLPLATES		
DESCRIPTION	SINGLE-GANG	DUAL-GANG
[A, B] Decora, standard size, urea	80401-00*	80409-00*
Decora, standard size, nylon	80401-0N*	80409-0N*
Decora, standard size, stainless	84401-040	84409-040
Decora Plus, standard size, polycarbonate	80301-0S*	80309-0S*
Decora, midsize, urea	80601-0S*	80609-0S*
Decora, midsize, nylon	0PJ26-00*	0PJ62-00*
Decora Plus, midsize, polycarbonate	0SJ26-0S*	0SJ62-0S*

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

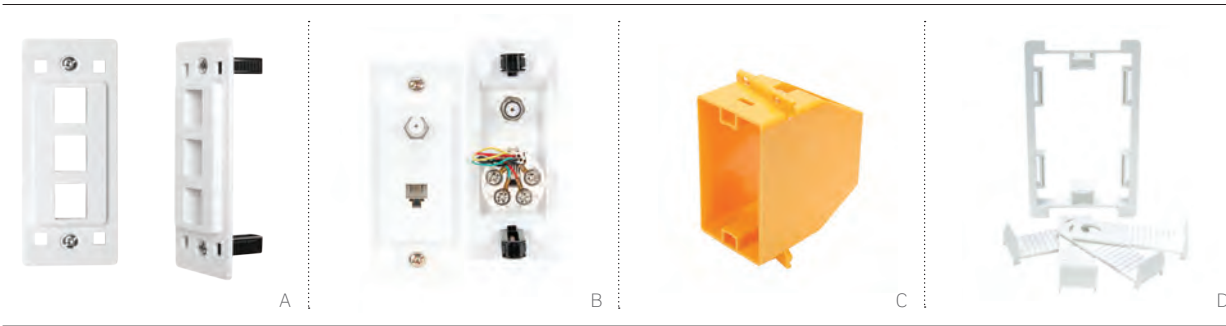
QUICKPORT® MULTIMEDIA WALLPLATE INSERTS			
DESCRIPTION	WHITE	LT. ALMOND	IVORY
6-Port Insert, polybag, standard carton	41646-00W	41646-00T	41646-00I
4-Port Insert, polybag, standard carton	41644-00W	41644-00T	41644-00I
[C] 3-Port Insert, polybag, standard carton	41643-00W	41643-00T	41643-00I
2-Port Insert, polybag, standard carton	41642-00W	41642-00T	41642-00I
[D] 1-Port Insert, polybag, standard carton	41641-00W	41641-00T	41641-00I
[E] HDMI Decora Insert, feedthrough	41647-00W	—	41647-00I
DVI Decora Insert, feedthrough	41648-00W	—	41648-00I

WALLPLATE ACCESSORIES	
DESCRIPTION	PART NO.
[F] QuickPort Shutter Kit (50 shutters)	51084-ICN
White Label Kit	51084-XLB
[G] Color Label Kit*	51084-CLB
[H] Wallplate Mounting Brackets, single-gang, bulk polybag pack, 2 brackets per unit, rack pack carton	C0224-000
[I] Wallplate Mounting Bracket, dual-gang, individual polybag pack, rack pack carton	C0225-000

* = Color Label Kit includes grey, orange, red, yellow, green, blue, purple, and brown (2 sheets of each color). Also shown on page A68.



MDU
Decora wallplates & inserts



CHEETAH SPEED SYSTEM

Install attractive phone, data, and video wallplates quickly and easily with the patented Cheetah Speed System. Using a revolutionary speed anchor with a snap and lock system, Cheetah Speed System reduces installation time by up to 50%, while at the same time offering the elegance and style of screwless wallplates. Decora® inserts in 1-6 ports and wallplates for phone and coax are available in white, ivory, and light almond.

- Patented speed anchor enables devices and wallplates to be installed without screws
- Self-aligning inserts increases installation speed by up to 50%

CHEETAH SPEED SYSTEM INSERTS				
DESCRIPTION	WHITE	LT. ALMOND	IVORY	BLACK
[A] 3-Port Insert, includes blank insert	5020C-00W	5020C-00T	5020C-00I	5020C-00E
Decora Insert Coax	CH181-00W	CH181-00T	CH181-00I	CH181-00E
Decora Insert Telephone	CH149-00W	CH149-00T	CH149-00I	CH149-00E
[B] Decora Insert Telephone/ Coax Combo	CH159-00W	CH159-00T	CH159-00I	CH159-00E
CHEETAH SPEED SYSTEM BOXES & BRACKETS				
[C] 1-Gang Non-Metallic Datacom Box				3005C-C00
[D] Low Voltage Datacom Cut-in Bracket				4007C-C00

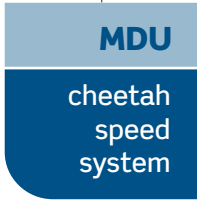


SPOTLIGHT Cheetah Speed System



Leviton offers a complete line of Cheetah Speed System products including data and audio inserts, dimmers and fan controls, switches, receptacles, and a broad selection of screwless wallplates. The entire system uses the innovative, electrician-developed, speed anchor system that enables devices to be installed without screws in a minimum of time.

To learn more, search "cheetah" at Leviton.com.





JBL studio speakers have a reputation for incorporating the most advanced audio materials, technologies, and precision engineering available. These same features and technologies are built into the Leviton Architectural Edition® Powered by JBL Series audio equipment.

LEVITON ARCHITECTURAL EDITION POWERED BY JBL WALL & CEILING SPEAKERS

- JBL titanium-laminate drivers maintain accuracy and clarity even at frequency extremes
- Straight-line Signal Path™ (SSP™) crossover network for minimal signal distortion
- Long-excursion woofers with butyl-rubber half-round surrounds and extended pole-piece magnetic structures for maximum bass impact and dynamic range
- Low-diffraction, swivel-tweeter mounting system for optimum stereo imaging
- Heavy-duty push-type input terminals for long-term connection integrity
- Integrated dog-ear mounting brackets (optional rough-in kits available for pre-construction installation in new homes)
- Acoustically-transparent, paintable grills
- Pre-construction kits available

MDU

in-wall/
ceiling
speakers



LEVITON ARCHITECTURAL EDITION POWERED BY JBL IN-WALL AND IN-CEILING SPEAKERS

DESCRIPTION	PART NO.
[A] Pair of 6.5" Two-Way In-Wall Loudspeakers, 80 watts, 8 ohms	AEI65-000
[B] Pair of 8" Two-Way In-Wall Loudspeakers, 100 watts, 8 ohms	AEI80-000
[C] Pair of 6.5" Two-Way In-Ceiling Loudspeakers, 80 watts, 8 ohms	AEC65-000
[D] 6.5" Two-Channel / Single Location Two-Way In-Ceiling Loudspeakers, two titanium tweeters, dual voice-coil titanium-laminate woofer 50 watts/channel, 8 ohms	AEM65-000

PRE-CONSTRUCTION KITS

DESCRIPTION	PART NO.
Pre-Construction Kit, in-wall center channel shelf for use with AEI55-000 (see page E28)	AEPIS-KIT
6.5" Pre-Construction Speaker Kit for in-wall installations	AEPI6-KIT
8" Pre-Construction Speaker Kit for in-wall installations	AEPI8-KIT
Fire Rated Back-Box Enclosure (Required for 6.5" in-ceiling speakers AEC65, AEM65)	AEBC6-000



When the specs call for quality audio, rely on Leviton's award-winning Spec-Grade Sound indoor speaker line for technical innovation and value.

SPEC-GRADE SOUND SPEAKERS

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

PRE-CONSTRUCTION KITS

- Pre-construction kits ensure that speaker locations and wiring are preserved and protected during construction, allowing for a cleaner, faster, and more precise installation during the trim-out stage



MDU

in-wall/
ceiling
speakers

SPEC-GRADE SOUND IN-WALL/IN-CEILING INDOOR SPEAKERS	
DESCRIPTION	PART NO.
[A] Pair of 6.5" Spec-Grade Two-Way In-Ceiling Loudspeakers, 120 W peak/ 60 W RMS, 8 ohms	SGC65-00W
[B] Pair of 6.5" Spec-Grade Two-Way In-Wall Loudspeakers, 120 W peak/ 60 W RMS, 8 ohms	SGI65-00W
[C] Pair of 8" Spec-Grade Two-Way In-Wall Loudspeakers, 160 W peak/ 60 W RMS, 8 ohms	SGI80-00W
Replacement Grill for SGC65	SGC65-GRL
Replacement Grill for SGI65	SGI65-GRL
Replacement Grill for SGI80	SGI80-GRL
PRE-CONSTRUCTION KITS	
DESCRIPTION	PART NO.
Rough-in Bracket for 6.5" In-Wall Loudspeakers	PCI65-KIT
Rough-in Bracket for 8" In-Wall Loudspeakers	PCI80-KIT
[D] Fire Rated Back-Box Enclosure (Required for 6.5" in-ceiling speakers SGC65)	AEBC6-000



A



B



C

**LEVITON ARCHITECTURAL EDITION®
POWERED BY JBL® OUTDOOR SPEAKERS**

- Elliptical Oblate Spheroidal™ (EOS) Waveguide technology for high-frequency dispersion
- Straight-line Signal Path™ (SSP) crossover networks for minimal signal distortion
- 5-way binding post input terminals for long-term connection integrity
- Mounting brackets (AEN24) and/or special mounting hardware (AES36) included

**LEVITON SPEC-GRADE™ SOUND OUTDOOR
UTILITY TWO-WAY LOUDSPEAKERS**

- 5.25" silicate-fiber cone low-frequency transducer with butyl rubber surround
- 5" poly-dome high-frequency transducer
- Element-resistant polypropylene enclosure, gold-plated binding terminals, and aluminum mounting bracket with stainless-steel hardware
- Great sounding entry level speakers for budget-conscious projects

MDU

outdoor
speakers

Leviton Architectural Edition®
HOME ENTERTAINMENT SYSTEMS
powered by



LEVITON ARCHITECTURAL EDITION POWERED BY JBL OUTDOOR SPEAKERS

DESCRIPTION	PART NO.
[A] Pair of Outdoor/All-Weather Two-Way Loudspeakers in Enclosure, 0.75" tweeter, 4" woofer, 150 watts, 8 ohms	AEN24-000
[B] Pair of Outdoor/All-Weather Two-Way Loudspeakers in Enclosure, 1" tweeter, 6" woofer, 100 watts, 8 ohms	AES36-000

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

DESCRIPTION	PART NO.
[C] Pair of Outdoor/Utility Two-Way Loudspeakers in Enclosure, 0.5" tweeter, 5.25" woofer, 120 watts, 8 ohms	SGO99-00W
Replacement Grill for SGO99-00W	SGO99-GRL



IN-WALL SPEAKERS

- Straight-line Signal Path™ (SSP) crossover network for minimal signal distortion
- JBL® titanium-laminate drivers, pure titanium tweeter, and polymer-coated aluminum woofers maintain musical accuracy and clarity, even at frequency extremes
- Low-diffraction, swivel-tweeter mounting system of optimum stereo imaging

SHELF-MOUNT CENTER CHANNEL SPEAKER

- Straight-line Signal Path (SSP) crossover network for minimal signal distortion
- Dual 5" JBL PolyPlas cone woofers
- FreeFlow flared port for increased bass response without added port noise

SUBWOOFER

- JBL PolyPlas™ woofer for low frequencies
- High-efficiency, high-current switching amplifier
- Freeflow flared port for increased bass response without added port noise
- Built-in technologies allow simple adjustment for room acoustics and personal preference
- LFE and line level inputs for maximum connection flexibility

SURROUND-SOUND HOME CINEMA SYSTEM

- Includes five 2-way magnetically shielded satellite speakers with 2.5" (63.5 mm) woofer and 0.5" (12.7 m) tweeter; one 8" (200 mm) 100 watt powered subwoofer with LFE and a built-in crossover network, plus five adjustable mounting brackets and subwoofer input RCA cable
- Five-channel system can be expanded to 6.1 or 7.1 surround sound with optional satellite speakers



MDU
home theater speakers

LEVITON ARCHITECTURAL EDITION POWERED BY JBL HOME THEATER SPEAKERS	
DESCRIPTION	PART NO.
[A] Dual 5" Two-Way In-Wall Center Channel Home Theater Loudspeakers, 120 watts, 8 ohms	AEI55-000
[B] Dual Channel Two-Way Shelf-Mounted Center Channel Loudspeaker w/ silver grill, 75 watts / 300 watts, 8 ohms	AECCS-VCE
[C] Powered 12" Subwoofer w/ amplifier w/ silver grill, 400 watts RMS, 700 watts peak, 8 ohms	AESUB-012
[D] Five-Channel Surround-Sound Home Cinema Speaker System w/ 100 watt powered subwoofer & 5 satellite speakers	AEH50-0**
System-Matched Satellite Speaker for 6.1 and 7.1 surround sound expansion	AESS5-0**
Single Gang Decorative Satellite Speaker Adapter Wallplate/Bracket	AEPHK-0**

** = Color: Available in White (WH) or Black (BL)



Harman/Kardon offers the ability to connect with an A-BUS hub and amplified volume controls. This makes it possible to add multi-room music distribution right off the back of a compatible receiver. The 4-zone A-BUS hub connects quickly and easily to any A/V receiver.

HARMAN/KARDON A-BUS VOLUME CONTROL

- Decora® up/down amplified rocker-style volume control powers dedicated speakers in a single room/zone
- Built-in infrared sensor accepts control commands to A/V receiver or other compatible components
- Fits in standard J-box or low-voltage mounting ring
- Output level trim pots
- Uses CAT 5/5e UTP cabling

A-BUS LOCAL SOURCE INPUT

- Automatically selects between independent local source such as an MP3 player or television audio and the main audio source
- Connects between A-BUS hub and A-BUS volume control
- Line level RCA inputs, CAT 5e punchdown

HARMAN/KARDON A-BUS 4-ZONE SYSTEM EXPANSION HUB

- Distributes A-BUS audio signal and power to up to four zones with HKABV Volume Controls and connected speakers
- Easily connects to the RJ-45 A-BUS interface on the rear of an A-BUS Ready HKAVR A/V Receiver
- RCA line-level inputs for compatibility with most audio sources

HARMAN/KARDON A-BUS MULTIROOM AMPLIFIED AUDIO SYSTEM		
DESCRIPTION		PART NO.
[A]	Harman/Kardon A-BUS Amplified In-Wall Volume Control (wallplate sold separately, see page E23)	HKABV-000
[B]	Harman/Kardon A-BUS 4-Zone System Expansion Hub	HKABH-000
[C]	A-BUS Local Source Input Module (wallplate sold separately, see page E23)	HKABS-000
[D]	RCA Cable for A-BUS Local Source Input (input sold separately)	HKABS-CBL

MDU

a-bus
audio
system

A Culture of Ingenuity & Innovation



Frank Kim

Vice President, Engineering and Information Management

Frank is the brains behind our “development factory”, a unique, highly collaborative space where talented Leviton engineers create some of the world’s most innovative and advanced network connectivity. Frank’s team has built an ever-growing portfolio of patented technologies and systems that solve customer problems and continually move the industry into new territory.



A



B



C



D



E

DECORA® STRAUSS TRANSFORMER-FREE VOLUME CONTROLS

- Contemporary slider design brings precision and elegance to any installed system
- Available in both standard and impedance-matched versions; color-change kits ensure the right finishing touch for every application
- Uses standard Decora wallplate

DECORA CHOPIN DIGITAL STEREO VOLUME CONTROLS

- All-electronic version provides system designers with a unique solution for custom audio installations
- No direct speaker / amplifier connections required at the volume control wall unit
- Uses standard Decora wallplate

SYSTEM MATCHING MODULE

- Combine with non impedance-matching Decora Volume Controls to control up to six speaker pairs (cannot be used with impedance-matching volume controls)
- AutoSurge™ circuit technology protects speakers from potentially damaging transients

1X6 AUDIO DISTRIBUTION MODULE

- Combines with impedance-matching Decora Volume Controls to control up to six speaker pairs from an amplifier or receiver
- Mounts in Structured Media® Centers and connects six rooms/zones

AUDIO SYSTEM VOLUME CONTROLS

DESCRIPTION	PART NO.
[A] Decora Strauss Transformer-Free Slider Volume Control, analog, 200 watts peak, 100 watts RMS, 4-16 ohms, 8 ohm nominal (for use with SGAMP-000) (wallplate sold separately, see page E23)	SGVST-00W
Decora Strauss Transformer-Free Impedance-Matching Slider Volume Control, analog, 200 watts peak, 100 watts RMS, 4-16 ohms, 8 ohm nominal (for use with 48211-06A)	SGVSM-00W
Decora Strauss Color Change Kit, converts to light almond	SGVCK-0LA
Decora Strauss Color Change Kit, converts to ivory	SGVCK-0IA
Decora Strauss Color Change Kit, converts to black	SGVCK-00E
[B] Decora Chopin Digital Stereo Volume Control Wall Unit, 200 watts peak per channel, 100 watts RMS per channel, 4-16 ohms, 8 ohms nominal (wallplate sold separately, see page E23)	48211-WVC
[C] Decora Chopin Digital Stereo Volume Control Kit (includes 48211-WVC wall unit)	48211-WVK

SYSTEM MATCHING MODULE

[D] System Matching Module for impedance-matching passive two-channel multi-room audio systems (for use with SGVST-00W)	SGAMP-000
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1X6 AUDIO DISTRIBUTION MODULE

[E] 1x6 Passive Audio Module (for use with SGVSM-00W)	48211-06A
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White



Light Almond



Ivory



Black

MDU

vol control & audio dist modules



HOME THEATER, MULTI-ROOM & SPEAKER WALLPLATES

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

RECESSED DEVICES

Recessed Single-Gang Receptacle

- Supplies AC power for two components (flat panel TVs and video receiver)
- Fits most common electrical boxes available at electrical distributors and home centers
- cULus approved, code-compliant solution offers two 15A/125 VAC NEMA 5-15R power outlets

Recessed Dual-Gang Duplex Receptacle w/ Six QuickPort Openings

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

RECESSED ENTERTAINMENT BOX (REB)

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

HOME THEATER AND MULTI-ROOM WALLPLATES

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

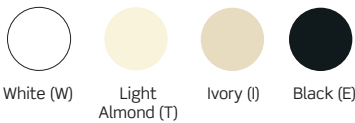
RECESSED DEVICES

DESCRIPTION	PART NO.
Single-Gang Recessed Single Receptacle 15A-125VAC, 2-Pole, 3-Wire — NEMA 5-15R, includes clock hanger hook	00688-00*
Single-Gang Recessed Single Receptacle, Non-Magnetic Stainless Steel 15A-125VAC, 2-Pole, 3-Wire — NEMA 5-15R, includes clock hanger hook	05261-0CH
[E] Single-Gang Recessed Duplex Receptacle 15A-125VAC, 2-Pole, 3-Wire — NEMA 5-15R	00689-00†
Single-Gang Recessed Single Receptacle, Non-Magnetic Stainless Steel 20A-125VAC, 2-Pole, 3-Wire — NEMA 5-20R, includes clock hanger hook	05361-0CH
[F] Dual-Gang Recessed Duplex Receptacle and Openings for six QuickPort Modules 15A-125VAC, 2-Pole, 3-Wire — NEMA 5-15R (four blank inserts included)	00690-00*

RECESSED ENTERTAINMENT BOX (REB)

DESCRIPTION	PART NO.
[G] REB w/ Low-Profile Frame	47617-REB
REB w/ High-Profile Cover	47617-RBH
High-Profile Cover	47617-HPC
Low-Profile Frame	47617-LPF
Replacement Snap-in Plates, 2 per bag	47617-PLT

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



MDU
home theater

RESIDENTIAL TOOLS & ACCESSORIES

DESCRIPTION	PART NO.
[H] Residential Tool Kit*	40812-RTK
Master Compression Tool	40989-CPT
Velcro® Brand Reclosable Tie-Wrap, 5" length, 25/pack	43105-005
Velcro Brand Reclosable Tie-Wrap, 8" length, 25/pack	43108-008
Velcro Brand Reclosable Tie-Wrap, 12" length, 25/pack	43112-012



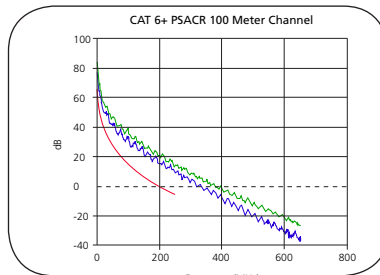
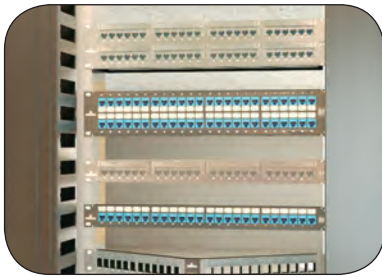
* = includes Punchdown Tool w/ 110 blade, EZ-RJ45® Crimp Tool, two Level Coaxial Cable Strippers, UTP Stripping Tool, Coax and Round Wire Cable Cutter, EZ-RJ45 Connectors, and screwdriver.

TECHNICAL INFORMATION



SECTION X CONTENTS

GENERAL INFORMATION	X3	Web-Based Resources
	X4	Wiring Standards
	X5	Wire Color Codes & Pin Designations
	X6	USOC Codes
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	X10	Fiber Connector Termination
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STANDARDS	X13	NEMA and IEC Classifications
	X13	Wallplate Materials
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INSTALLATION DIAGRAMS	X15	MDU Installation Diagrams
	X19	A/V Installation Diagrams
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	X27	Part Number Index



10 Technical Resources You'll Find at Leviton.com

Find extra technical assistance online. Through our tech library, you'll get the product information, installation assistance, or drawings you need, fast — and you'll find many other resources as well.

1. KNOWLEDGEBASE & FORUMS

communities.leviton.com

At Leviton's Knowledgebase, you can get answers to your technical questions or post your own inquiries. You'll find a unique community hub for Network Solutions as well as Leviton's other business units.

2. TRAINING VIDEOS

leviton.com/ns/techlibrary and youtube.com/LevitoMfg

Levito training videos and animations offer simple step-by-step instructions for installations and terminations. Videos include a Secure Keyed LC Fiber System overview, fiber and copper connector termination instructions, and techniques for using fiber optic fan-out kits.

3. BIM OBJECTS

leviton.com/bim

Building Information Modeling (BIM) is an important program for design and project coordination in construction projects. Incorporate Levito images and added intelligence into infrastructure design drawings with our library of free BIM objects.

4. VISIO® STENCILS

leviton.com/visio

Download Microsoft® Visio stencils of Levito products, including connectors and wallplates, copper and fiber components, residential/MDU products, and cable management solutions.

5. MANUALS & GUIDES

leviton.com/ns/techlibrary

Here you'll find helpful material, such as the new Patch Panel Selection Guide and popular CAT 6A Reference Guide, as well as installation manuals for Connected Home products.

6. APPLICATION/TECH NOTES

leviton.com/ns/techlibrary

Application notes provide extra instruction for using and installing products such as copper trunk cables, Fiber Raceway System, and 66 connecting blocks. Tech notes offer a deeper look into the unique technology behind many of our products.

7. INDEPENDENT TESTING INFORMATION

leviton.com/ns/testresults

Find independent test results for Levito products, including CAT 6A component performance, pre-terminated OM3 MTP System performance, and channel performance of Levito connectivity paired with qualified cables.

8. LITERATURE LIBRARY

leviton.com/ns/litlibrary

Refer to our Lit Library for additional systems and product information, including brochures, case studies, line cards, spec sheets, and an electronic version of this catalog.

9. SPEC TOOLS

leviton.com/specteam

Download spec tools for use in bids, design plans, and specification documents at the Spec Team web page, including sample bid spec forms and RFP documents.

10. LIVE CHAT

leviton.com/support

Get fast, easy help when you need it. Connect with Levito's technical experts for a quick response and knowledgeable answers to your product and application questions.

Dimensional line art available at
leviton.com/dimensionalart.com.

T568A OR T568B - WHICH ONE SHOULD YOU CHOOSE?

- If the installation is residential, choose T568A unless other conditions apply (see below).
- If there is pre-existing voice/data wiring (remodel, moves, adds, changes), duplicate the existing wiring scheme on any new connection.
- If project specifications are available, use the specified wiring configuration.
- If components used within the project are internally wired either T568A or T568B, duplicate this wiring scheme. Leviton residential applications use T568A in all of its circuit boards.

STANDARDS

- TIA-568-C "Commercial Building Telecommunications Cabling Standard" lists both wiring configurations. T568B is the most prevalent for commercial installations.
- TIA-570-B "Residential Telecommunications Cabling Standards" recommends T568A.

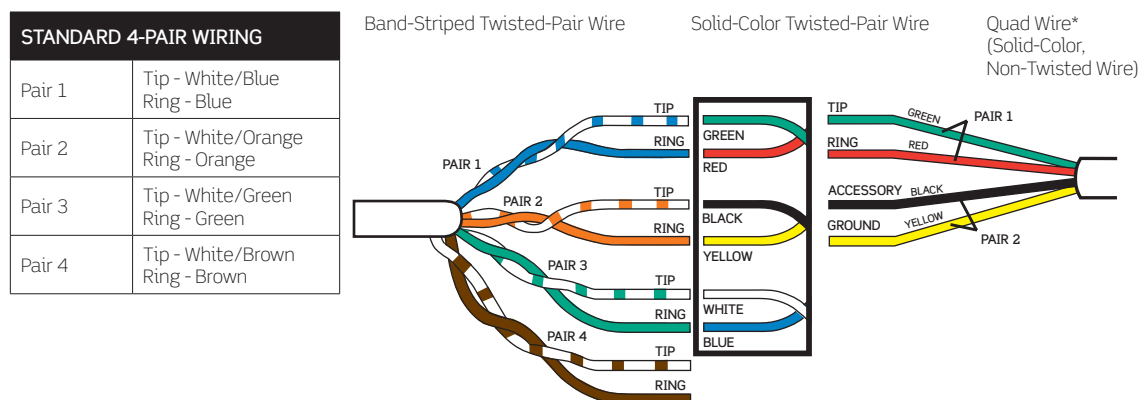
T568A & T568B WIRING STANDARDS IDC COLOR ASSIGNMENTS

JACK PIN #	T568A WIRE COLORS
1	White/Green
2	Green
3	White/Orange
4	Blue
5	White/Blue
6	Orange
7	White/Brown
8	Brown

JACK PIN #	T568B WIRE COLORS
1	White/Orange
2	Orange
3	White/Green
4	Blue
5	White/Blue
6	Green
7	White/Brown
8	Brown

For some cables, wires for jack pin numbers 2, 4, 6, and 8 may have a white stripe. This is equivalent to cables with solid wires for the same pin numbers.

WIRING POTS (PLAIN OLD TELEPHONE SERVICE) WIRE TO CATEGORY-RATED WIRE

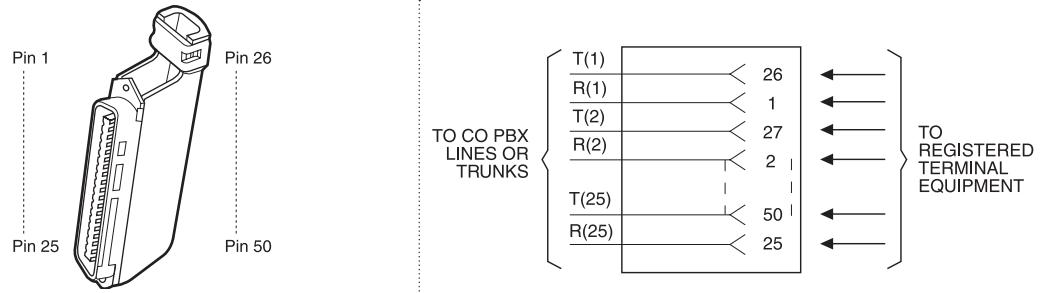


For 6-wire jacks use pair 1, 2 & 3 color codes. For 4-wire jacks use pair 1 & 2 color codes. For some cables, wire for even jack pin numbers may have a white stripe. This is equivalent to cables with solid wires for the same pin numbers.

***Caution:** Quad wire is no longer acceptable for installation in multi-line environments. If encountered during a retrofit, quad wire should be replaced with 100 ohm UTP. Connecting new quad to installed quad will only amplify existing problems and limitations associated with quad wire; leaving existing quad in place and connecting 100 ohm UTP to it may also be ineffective, as the quad wire may negate the desired effect of the UTP.

Visit leviton.com/support for more wiring diagrams and technical information.

TECHNICAL INFORMATION | Wire Color Codes & Connector Pin Designations



WIRE COLOR CODES & PIN DESIGNATIONS

Electrical Network Connection

From 1 to 25 single or multiple-pair circuits bridged to the network or other connected equipment.

Mechanical Arrangement

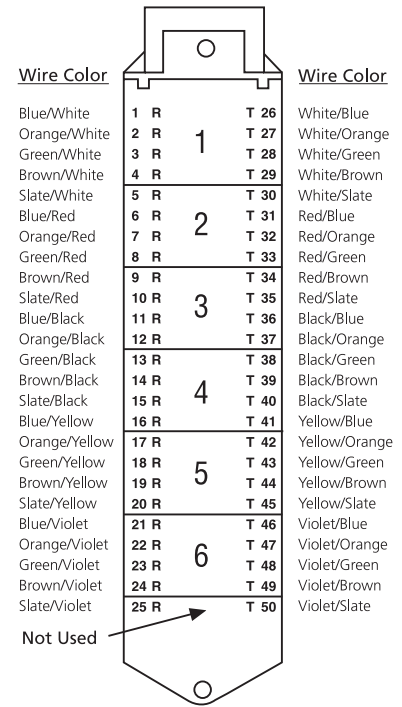
Circuits are provided on numbered tip and ring positions on a miniature 50-pin ribbon telco connector (Amphenol™-type). Pins 1 (ring) and 26 (tip) are considered position 1. Pins 2 (ring) and 27 (tip) of the ribbon connector are position 2. This pairing continues through 25 pairs.

Typical Usage

Many key and PBX systems specify the RJ-21X, or "Amphenol-type" as the network interface device. Many of these systems also use the RJ-21X as a connector for stations or telephone sets, wired from the KSU or PBX main distribution frame.

Many Leviton connectors can be used for the RJ-21X configuration where "intermixing" is permitted. Substitution of these special connectors is often both economical and practical. Contact Network Solutions tech support for information about versions to meet your requirements.

Sometimes an RJ-11 or RJ-14C can be installed in place of an RJ-21X. While many smaller systems that require only a few lines may show the RJ-21X as the "official" connector required under registration, less complex connectors such as the RJ-11 or RJ-14C can often be specified (perhaps in multiples). If the system requires only a few lines but the RJ-21X is specified on the registration label, under FCC Part 68 you may specify the RJ-11C, RJ-14C, RJ-25C, or RJ-61X instead.



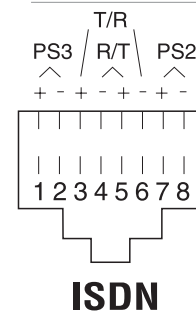
25-PAIR COLOR CODING/ISDN CONTACT ASSIGNMENT RJ-21X

CONTACT ASSIGNMENTS FOR PLUGS AND JACKS

(ISDN ASSIGNMENT OF CONTACT NUMBERS AS SPECIFIED BY ISO DOCUMENT 8877: 1987 (E))

CONTACT NUMBER	TE	NT	POLARITY
1	Power source 3	Power sink 3	+
2	Power source 3	Power sink 3	-
3	Transmit	Receive	+
4	Receive	Transmit	-
5	Receive	Transmit	+
6	Transmit	Receive	-
7	Power sink 2	Power source 2	+
8	Power sink 2	Power source 2	-

For use in TE to TE interconnections, power source/sink 3 shall conform to the requirements specified in CCITT recommendation 1.430, section 9.2 for power source/sink 2.



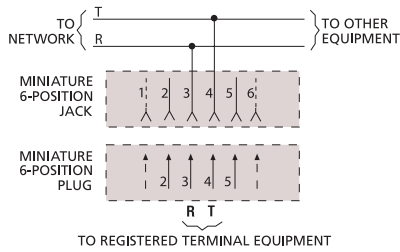
ISDN

Visit leviton.com/support for a detailed port-pin configuration chart.

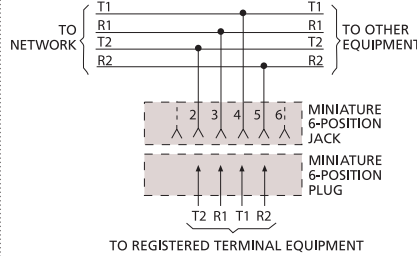
TECH
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technical
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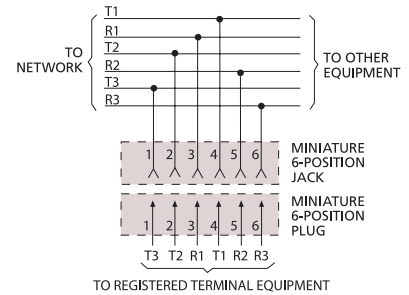
RJ-11C/RJ-11W - 6P2C



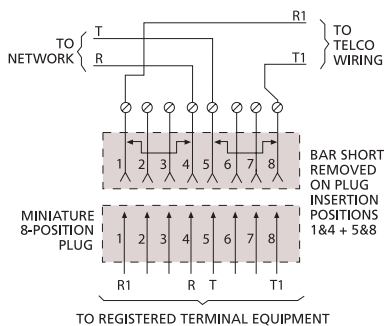
RJ-14C/RJ-14W - 6P4C



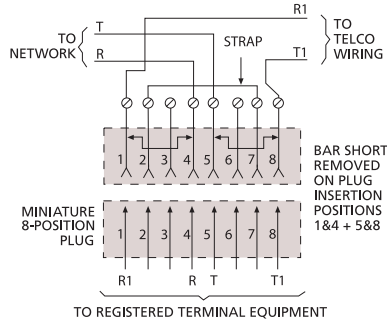
RJ-25C - 6P6C



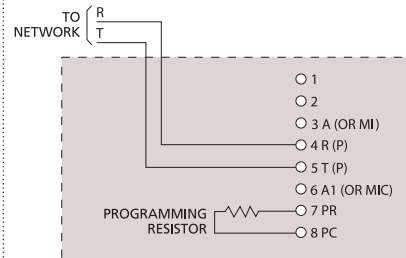
RJ-31X



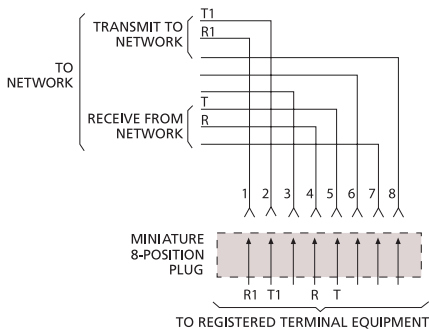
RJ-38X



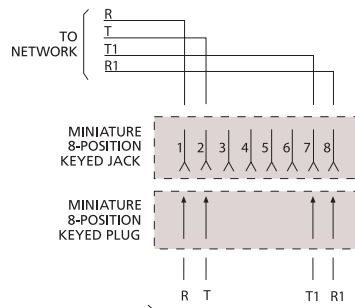
RJ-45S



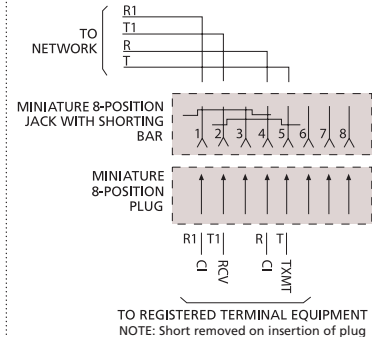
RJ-48C



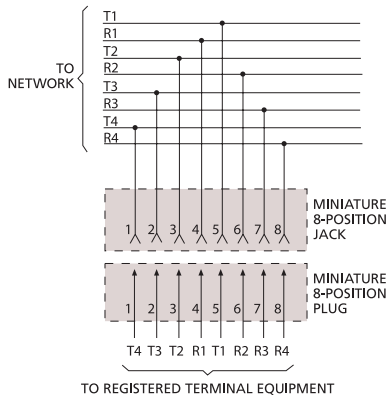
RJ-48S



RJ-48X



RJ-61X



USOC CODES

These Universal Service Order Codes (USOC) for connecting telephone instruments and related equipment to telephone lines are based on Part 68, Subpart F, Section 68.502 of FCC regulations, and as described by the T1E1.3 Working Group on Connectors and Wiring Arrangements.

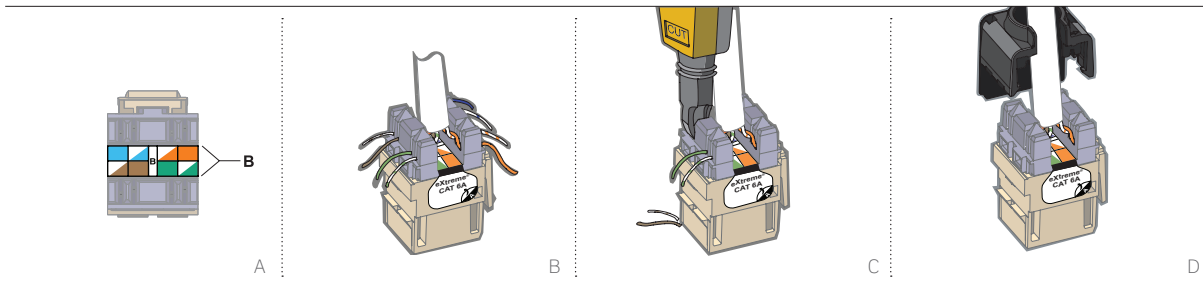
USOC codes were developed years ago by the Bell operating companies to identify service or equipment under tariff. Information on USOC codes is provided here should you run across these in your work.

Registered RJ Jack numbers end with a letter that indicates the wiring or mounting method. "C" identifies a surface or flush-mounted jack, "W" identifies a wall-mounted jack, "X" identifies a complex multi-line or series-type jack, "S" identifies a single-line jack.

**TECH
INFO**

technical
information

TERMINATION INSTRUCTIONS | Copper Connector Termination



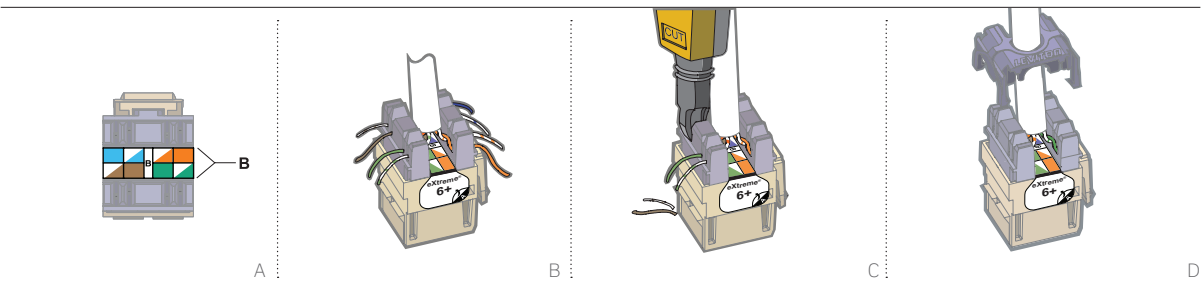
EXTREME® CAT 6A CONNECTOR TERMINATION INSTRUCTIONS

1. Remove about 3" of cable jacket and center spline (stiff plastic separator inside cable).
2. Determine whether to use wiring scheme T568A or T568B. Note the associated color codes and connector pin number on the label located between the IDC connector slots (Figure A). Peel back label for T568A wiring.
3. Leave the cable jacket within 1/8" of the connector side, then route the wires for termination using the selected wiring scheme (Figure B). Route cable perpendicular to the IDC field. Ensure there is enough slack in the twisted pairs, and do not place the cable jacket into the termination field. Use your fingers to carefully seat wires into the IDC slots. Maintain wire pair twisting to within 1/2" of the IDC. Set a 110-style impact tool to low and position it perpendicular to the connector. Seat and trim the cable one pair at a time to prevent crushing the inside pairs (Figure C).
4. Place the Cone of Silence® over the terminated wires for secure connection and guaranteed CAT 6A performance (Figure D).

T568A & T568B WIRING STANDARDS IDC COLOR ASSIGNMENTS

JACK PIN #	T568A WIRE COLORS	T568B WIRE COLORS
1	White/Green	White/Orange
2	Green	Orange
3	White/Orange	White/Green
4	Blue	Blue
5	White/Blue	White/Blue
6	Orange	Green
7	White/Brown	White/Brown
8	Brown	Brown

To help determine whether to use T568A or T568B, see page X4.



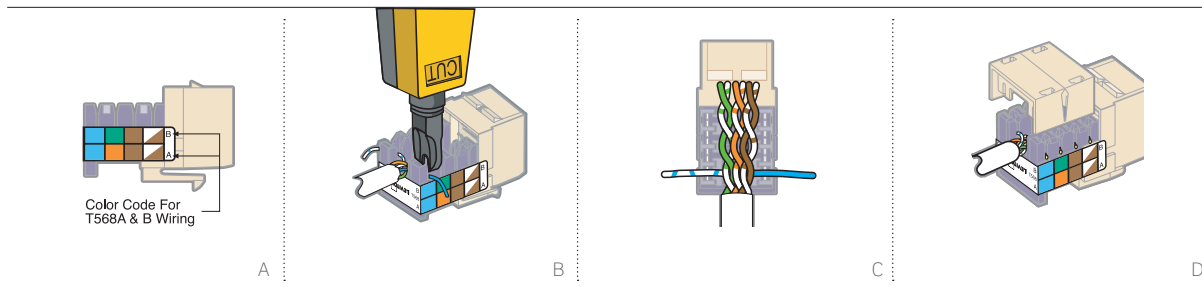
EXTREME 6+ (CAT 6) & GIGAMAX® 5E+ (CAT 5E) CONNECTOR TERMINATION INSTRUCTIONS

1. Remove about 3" of cable jacket and center spline (stiff "t" shaped plastic separator inside cable).
2. Determine which wiring scheme to use, T568A or T568B. (see chart on page X4). Note the associated color codes and connector pin numbers on the label located between the IDC connector slots (Figure A). Peel back label for T568A wiring.
3. Leave the cable jacket within 1/8" of the connector side, then route the wires for termination using the selected wiring scheme (Figure B). **Route cable perpendicular to the IDC field. Ensure there is enough slack in the twisted pairs, and do not place the cable jacket into the termination field.**
4. Use your fingers to carefully seat the wires into the IDC slots. Set a 110-style impact tool to low impact and position it perpendicular to the connector. Maintain wire pair twisting to within less than 1/2" of the IDC contact; then, seat and trim the cable one pair at a time to prevent crushing the inside pairs (Figure C).
5. Place the dust cap over the terminated wires for secure connection (Figure D).

TECH INFO

termination
instructions

TERMINATION INSTRUCTIONS | Copper Connector Termination



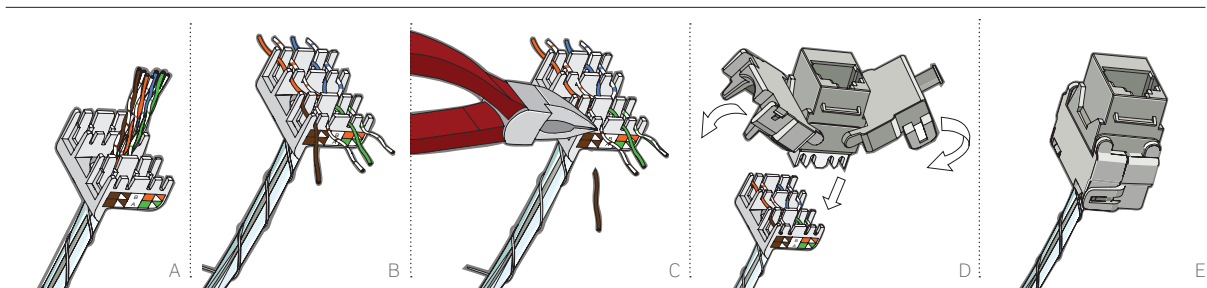
GIGAMAX® 5E (CAT 5E) & CATEGORY 5 CONNECTOR TERMINATION INSTRUCTIONS

1. Remove about 3" of jacket from the cable to expose the wires.
2. Determine which wiring scheme to use, T568A or T568B (see chart on page X4). Note the associated color codes and connector pin numbers as labeled on the sides of the connector (Figure A).
3. Route the wires for termination according to the chosen color code. Place the cutting side of the tool on the outside to trim the excess wire flush with the connector body as you punch the wires down (Figure B). Terminate and trim one pair at a time, starting from the rear of the connector (Figure C). Terminating each pair after placement will prevent crushing the inside pairs with the punchdown tool. **Maintain cable jacket as close to termination as possible.**
4. Place the dust cap over the terminated wires to ensure a secure connection and added strain relief (Figure D).
5. Noting the "UP" orientation of the connector, insert the terminated connector into the desired QuickPort® housing.

T568A & T568B WIRING STANDARDS IDC COLOR ASSIGNMENTS

JACK PIN #	T568A WIRE COLORS	T568B WIRE COLORS
1	White/Green	White/Orange
2	Green	Orange
3	White/Orange	White/Green
4	Blue	Blue
5	White/Blue	White/Blue
6	Orange	Green
7	White/Brown	White/Brown
8	Brown	Brown

To help determine whether to use T568A or T568B, see page X4.



SHIELDED CONNECTOR TERMINATION INSTRUCTIONS

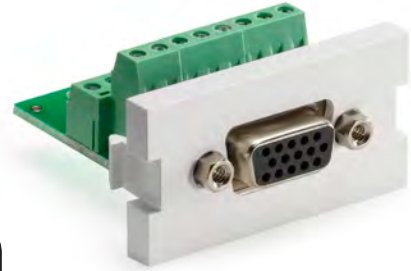
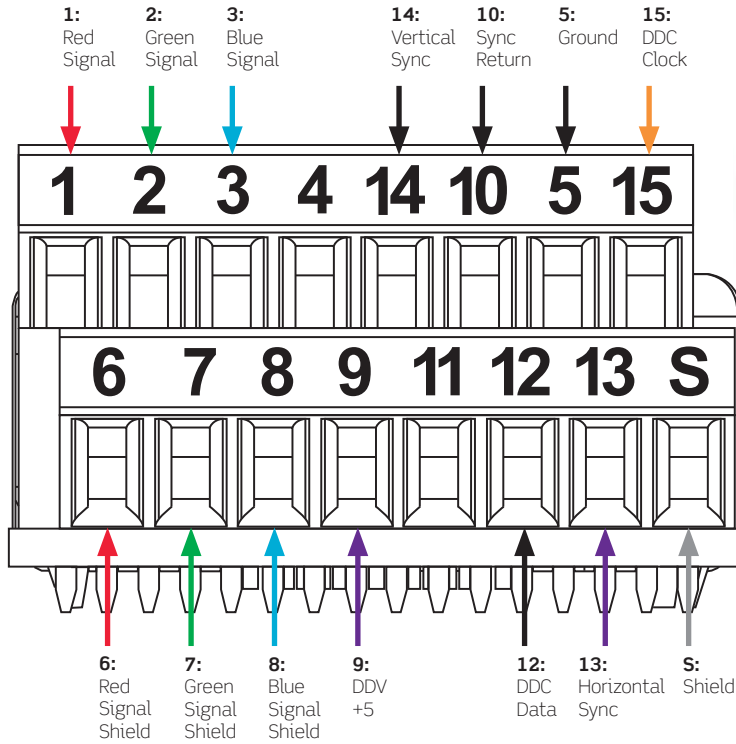
1. Strip a minimum of 1.5" of jacket from the end of the cable. For F/UTP cable, pull the foil or braided shield back over the jacket, and wrap the drain wire around the shield. For U/FTP cable, fold the foil from each twisted pair over the jacket and wrap the drain wire around the shield.
2. Insert the wires from the stripped cable into the stuffer cap through the hole (Figure A).
3. Determine whether to use wiring scheme T568A or T568B. Insert the wires into their correct positions per the desired wiring scheme (Figure B).
4. Using a flush cutter, cut the excess wire off as close to the edge of the cap as possible (Figure C). Wire tips should not protrude more than 1/32".
5. Make sure that arrows on both connector and cap point in the same direction, align the cap with the IDC towers, and press into position. Rotate the cap wings toward each other until they snap closed (Figure D).
6. Ensure that the drain wire is wrapped around the cable and shield. Tie-wrap the drain wire to the shield. **Do not overtighten the tie wrap!** It should be snug, but not so tight that it crushes the wires (Figure E).

TECH
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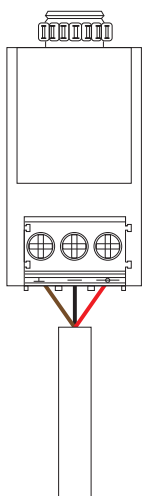
termination
instructions

TERMINATION INSTRUCTIONS | Copper Connector Termination

WIRING DIAGRAM FOR 41295-HD* VGA (HD-15) CONNECTOR



QUICKPORT 3.5MM AUDIO CONNECTOR TERMINATION



22-24 AWG
Shielded Audio Cable

- **Left Connection:** Shield
- **Middle Connection:** Negative
- **Right Connection:** Positive



**TECH
INFO**
termination
instructions

TERMINATION INSTRUCTIONS | FastCAM® Fiber Connector Termination

FASTCAM SC, ST & LC TERMINATION INSTRUCTIONS

These instructions should not be used with previous versions of the FastCAM SC, ST and LC connectors, which are only used to terminate 250 µm and 900 µm fiber. (The SAN number on packaging will start with "OXX")

Before beginning termination, identify the components of your connector tool kit. (See page B69 and B70 for options)

FIBER TERMINATION – 250 µm

Tools required: LYNX or CT30A Cleaver* and a fiber stripper. (See pg. B71)

1. Slide the protective tubing, 900 µm boot, and 250 µm protective tube (in order) onto the fiber.
2. Strip the fiber to a length of 40 mm.
3. Clean the stripped fiber with an alcohol wipe to remove any debris. Check the fiber integrity by bending the stripped end slightly to 60°.
4. Set fiber onto cleaver such that 250 µm coating edge is at 10.5 mm position and cleave.
5. Wedge clips are engaged at shipment. If they have become dislodged, squeeze the top and bottom of the wedge clip, insuring it is inserted in the connector body. A click will be heard for each wedge.
6. Slide the 250 µm protective tubing towards the end 250 µm coating.
7. Insert the cleaved fiber into the rear of the connector until the connection is made. Make a bend in the fiber to maintain connection.
8. OPTIONAL: Use the Visual Fault Locator (VFL) as an aid to determine the cleaved fiber and stubbed fiber are connected properly.
- 8A. Remove the FastCAM connector dust cap and insert the connector into the VFL. Turn the VFL power on and there will be a red glow in Position 1 of the wedge clip.
- 8B. Insert the cleaved fiber into the rear of the connector until the red glow dims in Position 1 of the wedge clip. Make a bend in the fiber to maintain connection.
9. Maintaining a slight force on the fiber, release the wedge clip by squeezing both sides until the wedge clip dislocates itself from the connector body. Remove the wedge clip. If using a VFL, remove it from the connector and place the dust cap back onto the connector's ferrule.
10. Slide the boot up and over the rear of the connector body. Slide the clear 900 µm protective tubing - over the black 250 µm protective tubing - to the back of the connector's boot.
11. For ST connectors, push ST housing over body of connector to complete assembly.

FIBER TERMINATION – 900 µm

When using a 900 µm Fan-out/Breakout kit to unjacketed 250 µm fiber, follow the manufacturer's instructions. After the kit is installed, use the following procedures for FastCAM termination.

Tools required: LYNX or CT30A Cleaver* and a fiber stripper. (See pg. B71)

1. Slide the 900 µm boot onto the fiber.
2. Strip the fiber to a length of 40 mm by removing 10 mm at a time.
3. From the end of the 900 µm buffered fiber, place a mark at 15.5 mm for SC or at 11.5 mm for LC.
4. Clean the stripped fiber with an alcohol wipe to remove any debris. Check the fiber integrity by bending the stripped end slightly to 60°.
5. Set the stripped fiber onto the cleaver such that the 900 µm buffered fiber's edge is at the 10.5 mm position and cleave.
6. Wedge clips are engaged at shipment. If they have become dislodged, squeeze the top and bottom of the wedge clip, insuring it is inserted in the connector body. A click will be heard for each wedge.
7. OPTIONAL: Use the Visual Fault Locator (VFL) as an aid to determine the cleaved fiber and stubbed fiber are connected properly.

- 7A. Remove the FastCAM connector dust cap and insert the connector into the VFL. Turn the VFL power on and there will be a red glow in Position 1 of the wedge clip.
 - 7B. Insert the cleaved fiber into the rear of the connector until the red glow dims in Position 1 of the wedge clip. Make a bend in the fiber to maintain connection.
 8. Insert the cleaved fiber into the rear of the connector until the connection is made and the mark is inside the connector. Make a bend in the fiber to maintain connection.
 9. Maintaining a slight force on the fiber, release the wedge clip by squeezing both sides until the wedge clip dislocates itself from the connector body. Remove the wedge clip. If using a VFL, remove it from the connector and place the dust cap back onto the connector's ferrule.
- NOTE: The ferrule's dust cap should remain in place until you are ready to insert the connector.
10. Slide the boot up and over the rear of the connector body.
 11. For ST connectors, push ST housing over body of connector to complete assembly.

FIBER TERMINATION – 2 mm and 3 mm

Tools required: LYNX or CT30A Cleaver* and a fiber stripper. (See pg. B71).

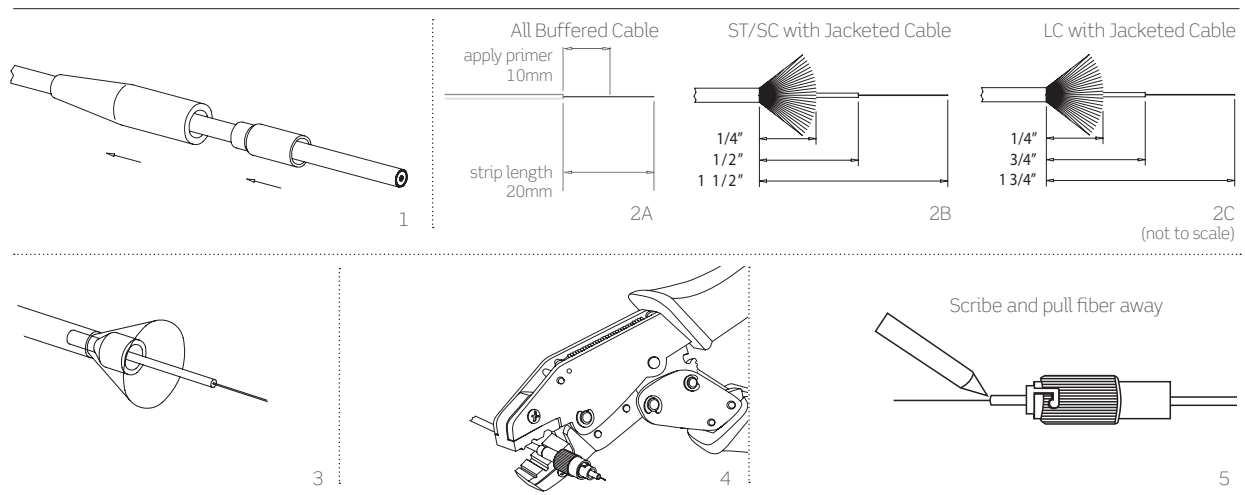
1. Slide 2 mm or 3 mm boot onto cable.
2. Remove 70 mm of cable jacket.
3. Strip the fiber to a length of 40 mm by removing 10 mm at a time.
4. From the end of the 900 µm buffered fiber, place a mark at 15.5 mm for SC or a mark at 11.5 mm for LC.
5. Clean the stripped fiber with an alcohol wipe to remove any debris. Check the fiber integrity by bending the stripped end slightly at 60°. Set the stripped fiber onto the cleaver such that the 900 µm buffered fiber's edge is at the 10.5 mm position and cleave.
7. Wedge clips are engaged at shipment. If they have become dislodged, squeeze the top and bottom insuring the wedge clip is inserted into the connector body. A click will be heard for each wedge.
8. Insert fiber slowly into the connector until connection is made and marking is hidden. Form a bend in the fiber to maintain connection. Be sure fiber bend does not exceed top of wedge clip.
9. OPTIONAL: Use the Visual Fault Locator (VFL) as an aid to determine the cleaved fiber and stubbed fiber are connected properly.
- 9A. Remove the FastCAM connector dust cap and insert the connector into the VFL. Turn the VFL power on and there will be a red glow in Position 1 of the wedge clip.
- 9B. Insert the cleaved fiber into the rear of the connector until the red glow dims in Position 1 of the wedge clip. Make a bend in the fiber to maintain connection.
10. Maintaining a slight force on the fiber, release the wedge clip by squeezing both sides until the wedge clip dislocates itself from the connector body. Remove wedge clip unit from connector. If using a VFL, remove it from the connector and place the dust cap back onto the connector's ferrule.
11. Fan Kevlar® around connector.
12. Grip Kevlar on both sides of the connector to maintain tension. Screw boot onto back of connector to fix Kevlar firmly.
13. Cut Kevlar from around the connector.
14. For ST connectors, push ST housing over body of connector to complete assembly.

*Other cleavers with a guaranteed maximum 1° cleave angle for single-mode fibers and a maximum 2° cleave angle for multimode fibers provide acceptable results.

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TERMINATION INSTRUCTIONS | Fast-Cure® Fiber Connector Termination



FAST-CURE ASSEMBLY INSTRUCTIONS

PREPARE - All Connector Types:

If using 900 μm buffered fiber, do not use crimp tube in step 1.

- Slide boot and crimp tube onto fiber, small end inserted first. **(Fig. 1)**
For 3 mm Jacketed Fiber: Use ribbed boot, provided.
For 900 μm Buffered Fiber: Use smooth boot, provided. If using an SC connector on 900 μm buffered fiber, you must install SC body into housing before continuing to step 2. Align body with connector housing, then insert body into housing until it snaps into place. Use dust cap to push body into housing.
- Strip jacket and/or buffer using the measurements provided in the figure above, stripping in increments of 1/4". If using jacketed cable, trim aramid strands as indicated above. **(Fig. 2A-C)**
- Clean exposed fiber with a 99% isopropyl alcohol wipe, followed by a lint-free wipe, both before and after stripping.
- SC & FC Connector on 3 mm Jacketed Fiber ONLY:** Insert spacer over buffer and push until it contacts jacket. **(Fig. 3)**

ASSEMBLE - All Connector and Fiber Types:

- Remove the dust cap from the connector.
 - Dry fit the fiber by inserting it into the connector. This will assure that all coating has been removed and the fiber can be inserted into the connector ferrule.
 - Shake the adhesive bottle before using. Remove the cap from the adhesive bottle, and attach the needle by pressing it gently onto the top of the bottle until you feel it set into place.
- NOTE: Syringes are also available for inserting adhesive.
- Insert the needle and firmly hold it against the back of the connector while filling it. Being careful not to overfill the connector, squeeze the bottle gently, injecting the adhesive into the connector. Continue until a dot of adhesive is visible at the other end, then remove the needle. Wipe away excess adhesive from the end of the ferrule.
 - Using the brush attached to the lid on the bottle of primer, apply the primer to the first 10mm of the exposed fiber. **(Fig. 2A)**
 - Insert the fiber into the back of the connector. To prevent premature bonding, use continuous motion until the fiber is fully seated in the connector. The primer will activate adhesive and begin the bonding process.

NOTE: The fiber should be inserted within 45 seconds of priming.

- Hold the fiber in place for 10-20 seconds, and allow up to 3 minutes for the adhesive to bond.
- If using any cable type but jacketed fiber, slide the boot back up over the back of the connector now. If using jacketed fiber, follow the steps below.

Additional Steps For 3mm Jacketed Cable ONLY:

- Arrange the aramid strands evenly around the end of the connector, then slide the crimp tube over the aramid strands and connector. Using a crimp tool, crimp the tube at both the large end (step 1) and the small end (step 2). **(Fig. 4)**

ST/SC - large end: Use the .178" hex die.

ST/SC - small end: Use the .151" hex die.

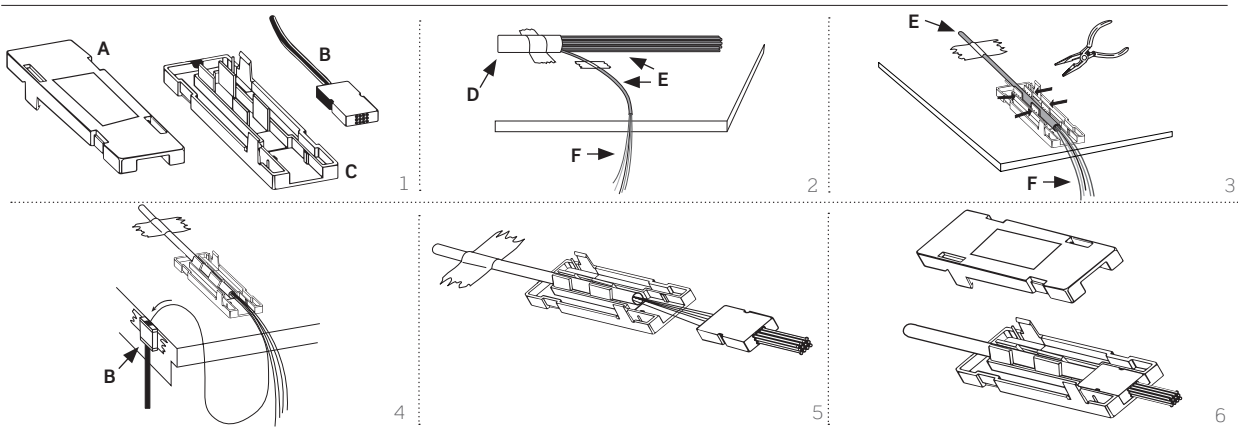
LC: Use the .128" hex die.

CLEAVE AND POLISH - All Connector and Fiber Types:

- When adhesive is cured (no longer wet), scribe fiber where it meets bead of adhesive at end of ferrule. **(Fig. 5)**
- Pull fiber away from connector, then properly dispose of fiber debris.
- 12 μm "AIR POLISH" FOR SM AND MM FIBER - Begin by "Air Polishing" connector with 12 μm polishing film. Hold edge of film with thumb and forefinger. Gently touch connector to film and rotate using approximately 18-20 one-inch circles to remove fiber stub. Scraping sound of fiber on film will cease when polishing process is complete. 12 μm film is dark pink in color.
- Holding a lint-free wipe across fingertips, gently press connector's endface against wipe. Twist connector in place to remove any debris. Do not drag connector across the lint-free wipe.
- 3 μm POLISH FOR SM AND MM FIBER - Wipe the bottom surface of polishing puck and surface of polishing pad with a 99% isopropyl alcohol wipe.
- Place 3 μm film on polishing pad, dull side up, then carefully set polishing puck on film. Gently insert connector into puck, and using light pressure, trace 15-20 "figure 8s" on film. Test to ensure fiber is completely polished.
- Also check to ensure that fiber is polished flush by dragging gently across lint-free wipe. Fiber should not snag. If fiber snags, continue polishing. Remove any debris using a lint-free wipe.
- Repeat steps 5 and 6 with the .3 μm film. Leviton's 3 μm film is yellow and .3 μm film is light blue in color.

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FIBER OPTIC FAN-OUT KIT ASSEMBLY INSTRUCTIONS

Each kit breaks out 6 or 12 individual 250 μm fibers from a loose buffered multifiber tube into individual 900 μm buffer tubes. The fibers can then be terminated using the Thread-Lock® or Fast-Cure® Connector termination procedure for 250 μm fiber.

One fan-out kit is required for each loose buffered multi-fiber tube being terminated. Leviton recommends you read these instructions thoroughly prior to installation of the fan-out kit.

Contents (Figure 1):

- A. Top Cover
- B. 6 or 12 Fiber Terminal Assembly Unit (24" or 36")
- C. Base

Recommended Tools (not included with Fan-Out Kit)

Electrical or Masking Tape
Needle Nose Pliers
Indelible Marker
Buffer Tube
Stripper

Also Recommended Consumables (available in Leviton's Consumables Kit PN# 49800-FAN)

Silicone RTV Sealant
Gel Cleaner
Alcohol Pad
Lint Free Wipes
Talc Powder

Determining Strip Length

Locate your work surface as close to the enclosure location as possible, to minimize strip length. Route the cable sheath through the enclosure to the work surface.

On the cable sheath (D), measure the length of the fan-out tube (B) plus 6-12". Mark this length with a piece of tape — this is the strip point for the fiber cable sheath. (Figure 2)

Cable End Preparation

Following your cable manufacturer's recommended stripping procedures, strip the cable sheath back to the tape mark. Secure the cable to the enclosure, then, using lint free wipes or a gel cleaner, clean any dirt or gel surrounding the loose buffered multifiber tubes (E). (Figure 2)

NOTE: Quantities of loose buffered multifiber tubes may vary among cable manufacturers.

Loose Buffered Fiber Tube Preparation

Measure the tube back 3" longer than your fan-out tube (B). Mark with an indelible marker, score, and strip, exposing the 250 μm fibers (F) inside the buffer tube. Tape the buffered fiber tube to the work surface roughly 2" from the stripped end. (Figure 2) Wipe all gel from the exposed 250 μm fibers using a gel cleaner.

Place buffered fiber in the base of the fan-out kit. Using needle nose pliers, press both pairs of the crimping fixture to hold the tube. Crimp only enough to start to deform the tube. Twist and pull the fan-out body to check if the crimp is secure. The tube should not slip or move in the crimp fixture. (Figure 3)

NOTE: For added retention, secure with a few drops of silicone RTV sealant on the crimp points of the fixture.

Fiber Threading Procedure

Tape the terminal assembly unit (B) in the vertical position, 75 mm (3") to the side of the loose buffered fiber tube. (Figure 4)

Untangle the fibers and make sure they are completely free of gel filling compound. Leviton recommends using alcohol pads or gel cleaner to remove the gel.

NOTE: To more easily thread the fiber, cup talc powder in your hand and apply to the length of the fibers.

Starting with the blue fiber, thread 150 mm (6") of the fiber into the corresponding color tube of the terminal assembly unit (Figure 4). Repeat this procedure for the remaining fibers, making sure the color coded fibers match the color coded 900 μm tubing.

When all the fibers have been threaded, push the fibers as a group until they start to protrude from the end of the 900 μm fan-out tubes. Gently pull the fibers through the tubing, leaving sufficient slack so the fibers are not stressed. DO NOT PULL TAUT.

NOTE: While threading fibers through the 900 μm tubing, gently pull the tubing straight with one hand to remove any coil.

Untape the terminal assembly unit and slide the assembly toward the loose buffered fiber tube while pulling the fibers from the end of the 900 μm tubing. If the fibers twist, rotate the terminal assembly in the opposite direction of the twist. (Figure 5)

Place the terminal assembly unit into the mating feature in the base. For added protection, add a small bead of silicone RTV where the 250 μm fibers enter the terminal assembly, securing the assembly and sealing the water-resistant gel (icky-pick) inside the fiber cable.

Align the top cover and snap into place (Figure 6). Remove the tape from the loose buffered fiber tube and repeat this procedure for any remaining loose buffered multifiber tubes. Once complete, snap the cover in place.

Fiber Enclosure Installation

Hold the Fan-Out Kit and buffered fiber together at the point where the tube enters the Fan-Out Kit. Install terminated connector into respective adapter port. Route 900 μm buffered fiber around cable managers (for slack and storage). Peel tape off adhesive (on bottom of base) and place between the cable managers (or where appropriate). Route loose tube subunit around cable managers (for slack and storage), and secure loose tube cable as required.

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NEMA AND IEC ENCLOSURE CLASSIFICATIONS

NEMA and IEC Enclosure Classifications Comparing NEMA Enclosure Type Numbers and IEC Enclosure Classification Designations (IP Suitability Rating)

NEMA

NEMA Standards Publication 250 defines the NEMA Enclosure Type Numbers. Unlike the IEC Enclosure Classification Designations, NEMA Standards Publication 250 tests for environmental conditions such as corrosion, rust, icing, oil, and coolants. For this reason, and because the tests and evaluations for other characteristics are not identical, the IEC Enclosure Classification Designations cannot be exactly equated with NEMA Enclosure Type Numbers. The table below provides an equivalent conversion from NEMA Enclosure Type Numbers to IEC Enclosure Classification Designations. Note that the NEMA Types meet or exceed the test requirements for the associated IEC Classifications. Therefore, this table cannot be used to convert from IEC Classifications to NEMA Types.

IEC

IEC Publication 529, "Classification of Degrees of Protection Provided by Enclosures," defines the IP (Ingress Protection) Suitability Rating. The IP Suitability Rating is a system for classifying the degree of protection provided by enclosures of electrical equipment. The higher the number in the rating, the greater the degree of protection provided by the enclosure. The first numeral of the code indicates the degree of protection for persons against access to hazardous parts inside the enclosure and/or against the ingress of solid foreign objects. The second numeral indicates the degree of protection of equipment inside enclosures against damage from the ingress of water. The IP Suitability Rating defined by IEC 529 does not specify any degree of protection against mechanical damage of equipment, risk of explosions, or conditions such as moisture (i.e. condensation), corrosive vapors, fungus, or vermin.

CONVERTING NEMA TO IEC

NEMA Enclosure Type Number	Equivalent IEC Enclosure Classification Designation
1	IP10
2	IP11
3	IP54
3R	IP14
3S	IP54
4 and 4X	IP56
5	IP52
6 and 6P	IP67
12 and 12K	IP52
13	IP54

IEC INGRESS PROTECTION RATING

Protection against solid objects		Protection against water	
0	None	0	None
1	Solid objects larger than 50mm	1	Vertically falling water drops
2	Solid objects larger than 12.5mm	2	Vertically falling water drops (up to 15° angle)
3	Solid objects larger than 2.5mm	3	Spraying water
4	Solid objects larger than 1.0mm	4	Splashing water
5	Dust	5	Water jets
6	Dust tight	6	Powerful water jets
		7	Temporary immersion in water
		8	Continuous immersion in water

WALLPLATE MATERIALS

The material used to manufacture a wallplate will have a significant impact on the product's durability and suitability for certain applications.

THERMOSET

Thermoset products are manufactured by applying pressure to powdered material. These types of products do not provide a high degree of resistance to impacts, chemicals, and solvents; and therefore they are not suitable for heavy-duty applications. Urea is a thermoset material, and is commonly used to manufacture wallplates for use in residential or light-duty commercial applications.

THERMOPLASTIC

Thermoplastic products are manufactured by heating pellets of material into a liquid for injection into a mold. These materials are the preferred choice for heavy-duty applications because they provide superior resistance to impact, chemicals, and solvents. ABS, nylon, and polycarbonate are thermoplastic materials, which are used to manufacture wallplates for use in commercial applications.

STAINLESS STEEL

Leviton manufactures wallplates from type 304 and type 430 stainless steel materials. Type 430 stainless steel is resistant to the corrosion effects of moisture, and as such is suitable for exterior or wet applications. Type 430 stainless steel has magnetic properties that may interfere with certain equipment, such as hospital MRI and marine navigation equipment. Type 304 stainless steel is non-magnetic and is also more corrosion resistant than type 430 stainless steel, and as such is the preferred choice for commercial applications. All QuickPort® and telephone wallplate products are manufactured from type 304 stainless steel material. Standard wallplates are also available in type 304 stainless steel material by using the suffix "040" in the part number.

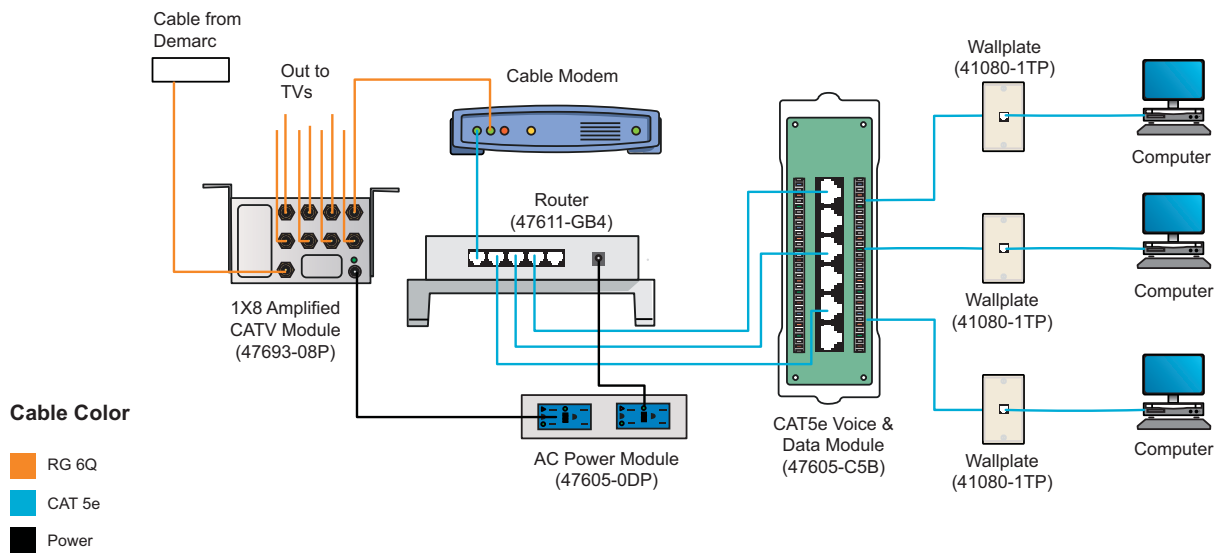
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Leviton products and guidelines are developed consistent with all known applicable practices as defined by the following:

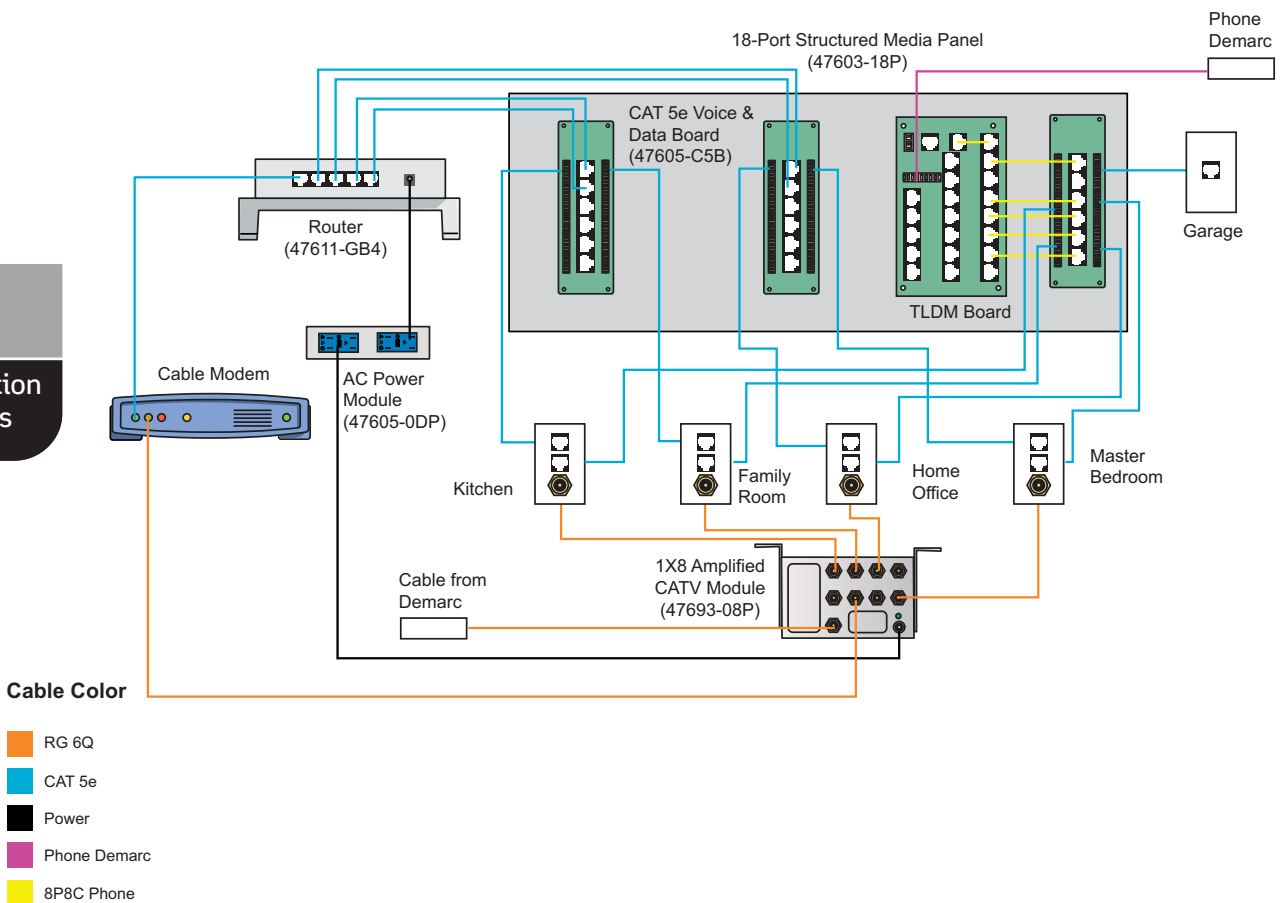
- TIA-568-C.0: Generic Telecommunications Cabling for Customer Premises
- TIA-568-C.1: Commercial Building Telecommunications Cabling Standard
- TIA-568-C.2: Telecommunications Cabling, Copper Component and Cabling Specifications
- TIA-568-C.3: Telecommunications Cabling, Fiber Component and Cabling Specifications
- TIA-569-B: Commercial Building Standard for Telecommunications Pathways and Spaces
- TIA-606-A: Administration Standard for Telecommunications Infrastructure of Commercial Buildings
- TIA-942-2: Telecommunications Infrastructure Standard for Data Centers
- ANSI-J-STD-607-A: Commercial Building Grounding and Bonding Requirements for Telecommunications
- IEEE 802.3: Ethernet-based LANs (Fast Ethernet, Gigabit Ethernet, 10 Gigabit Ethernet)
- IEEE 1100: Recommended Practice for Powering and Grounding Electronic Equipment
- ISO 11801: Generic Cabling for Customer Premises (multiple standards)
- National Electrical Safety Code (NESC): Published by IEEE
- National Electric Code (NEC, NFPA 70): Published by NFPA
- BS EN 50173: Information Technology, Generic Cabling Systems, General Requirements (British Adopted European Standard)
- Telecommunications Distribution Methods Manual (TDMM): Published by BICSI
- Underwriters Laboratories (UL): Applicable listings and ratings

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DATA DISTRIBUTION WITH CABLE MODEM



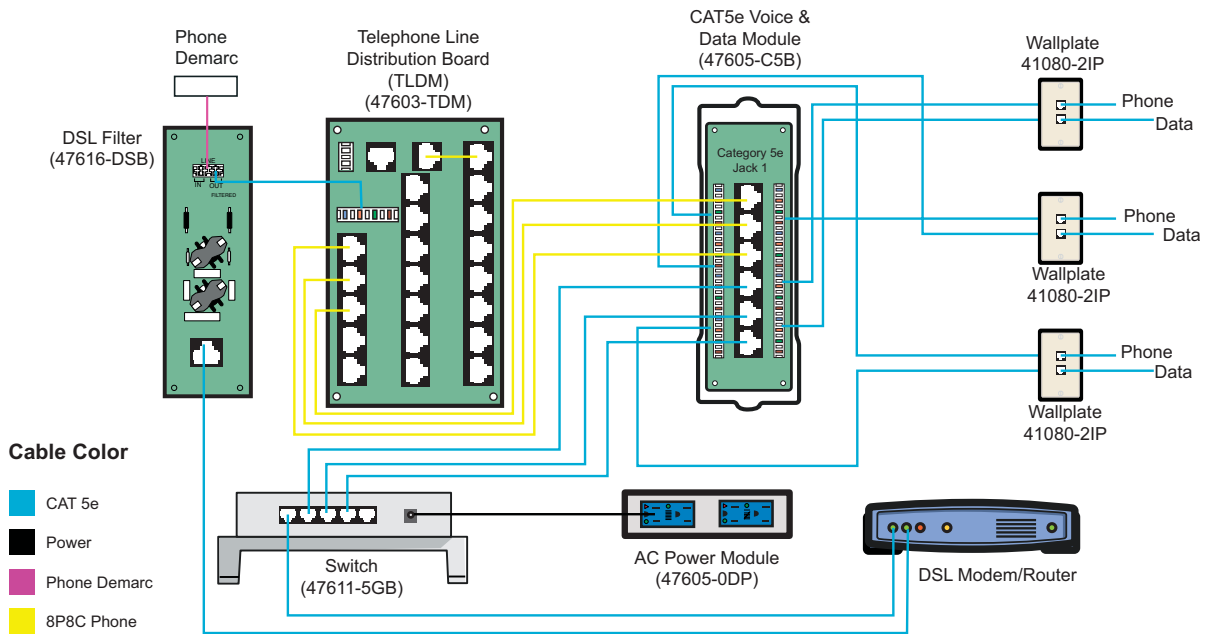
VOICE, DATA, AND CATV DISTRIBUTION



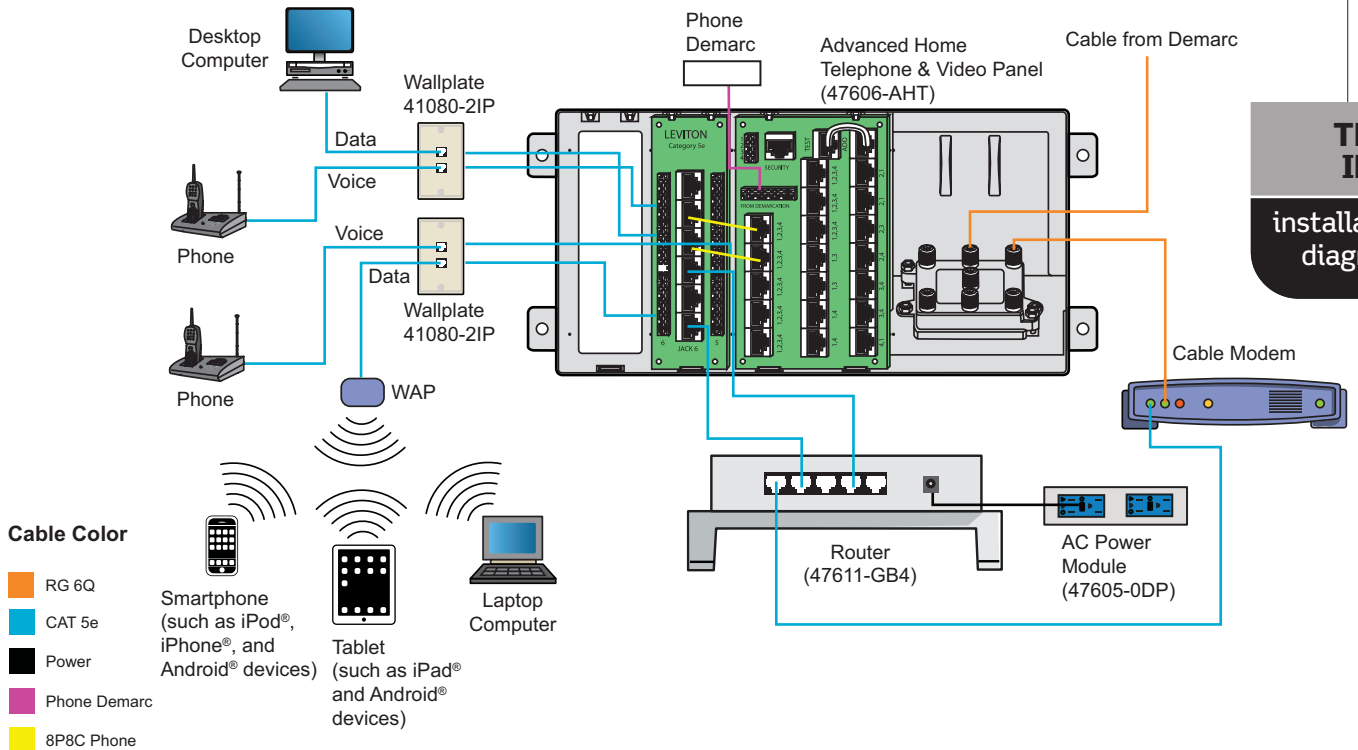
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DSL MODEM CONNECTION IN STRUCTURED MEDIA® CENTER



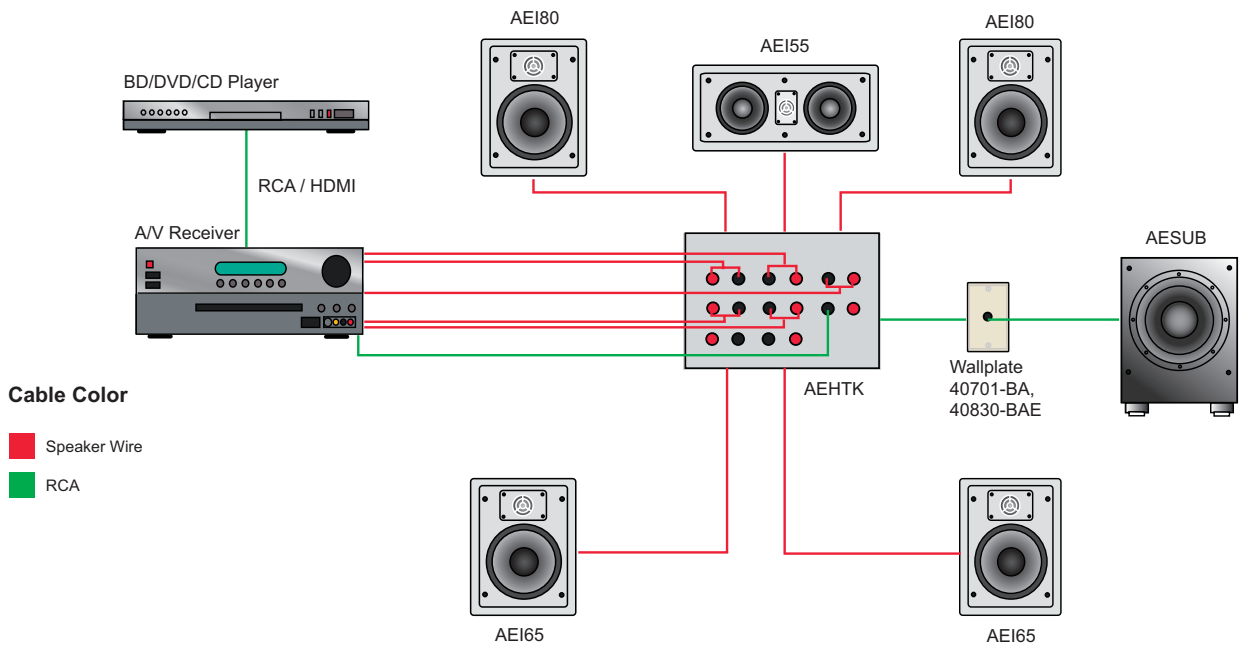
HYBRID SOLUTION WIRED AND WIRELESS



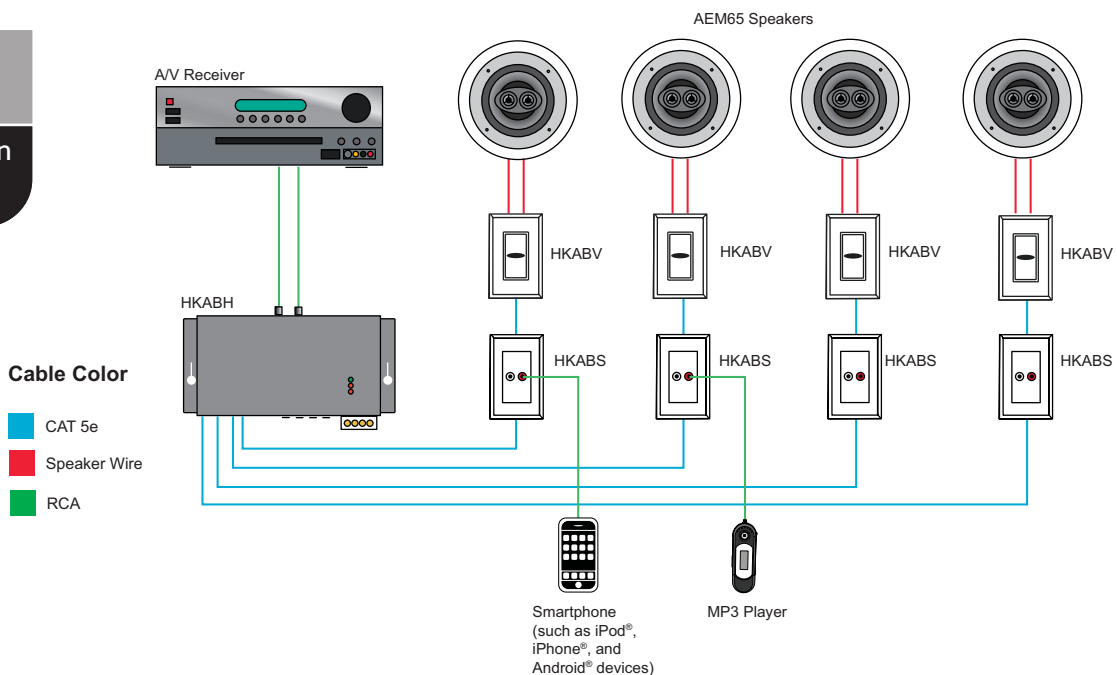
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IN-WALL HOME THEATER SYSTEM



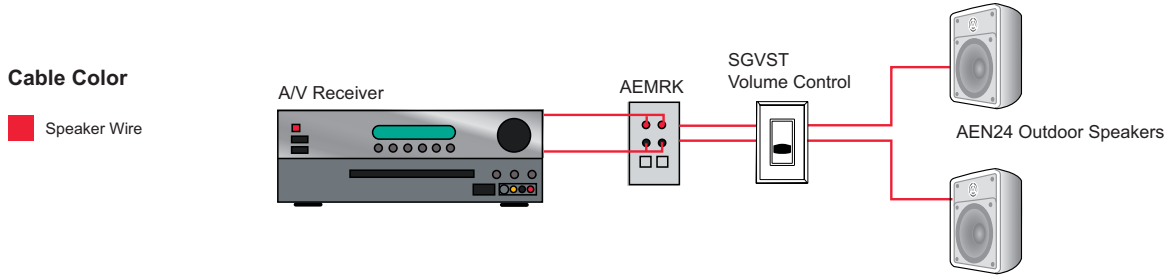
ADDING A SINGLE-SOURCE/MULTI-ROOM AUDIO SYSTEM TO AN A-BUS® READY A/V RECEIVER



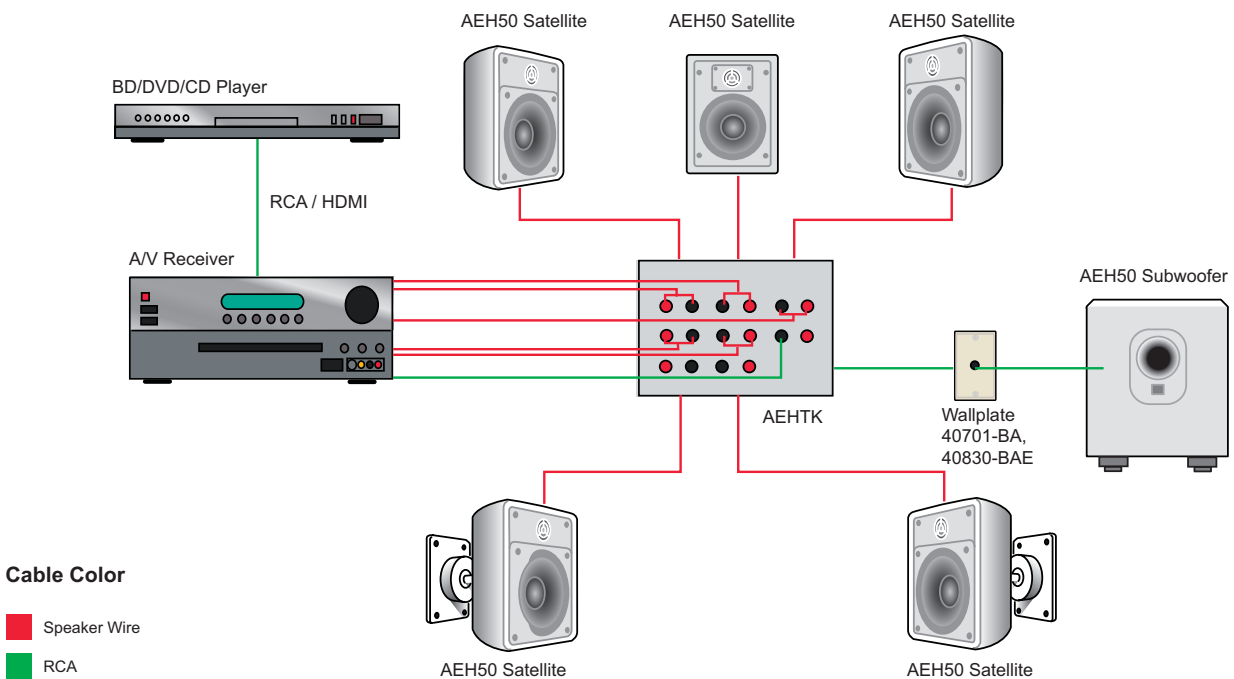
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ADDING OUTDOOR MUSIC TO A MULTI-ROOM CAPABLE A/V RECEIVER RUNNING A 5.1 HOME THEATER SYSTEM



ON-WALL HOME CINEMA SYSTEM

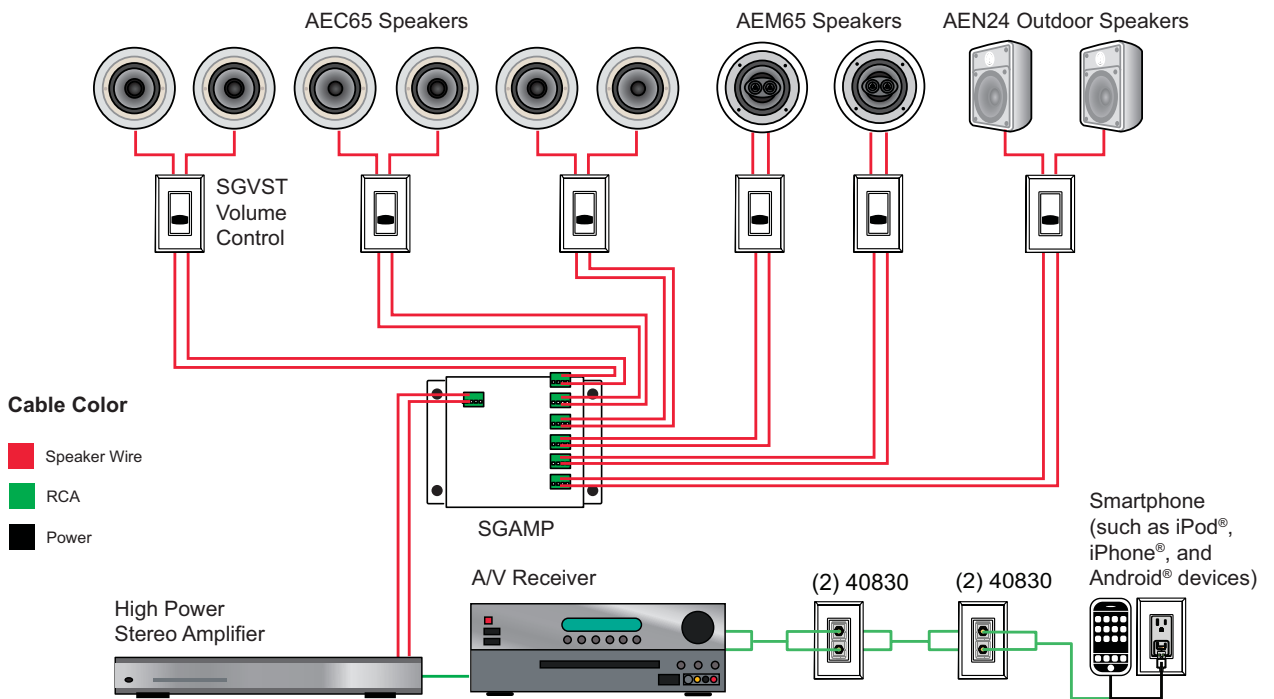


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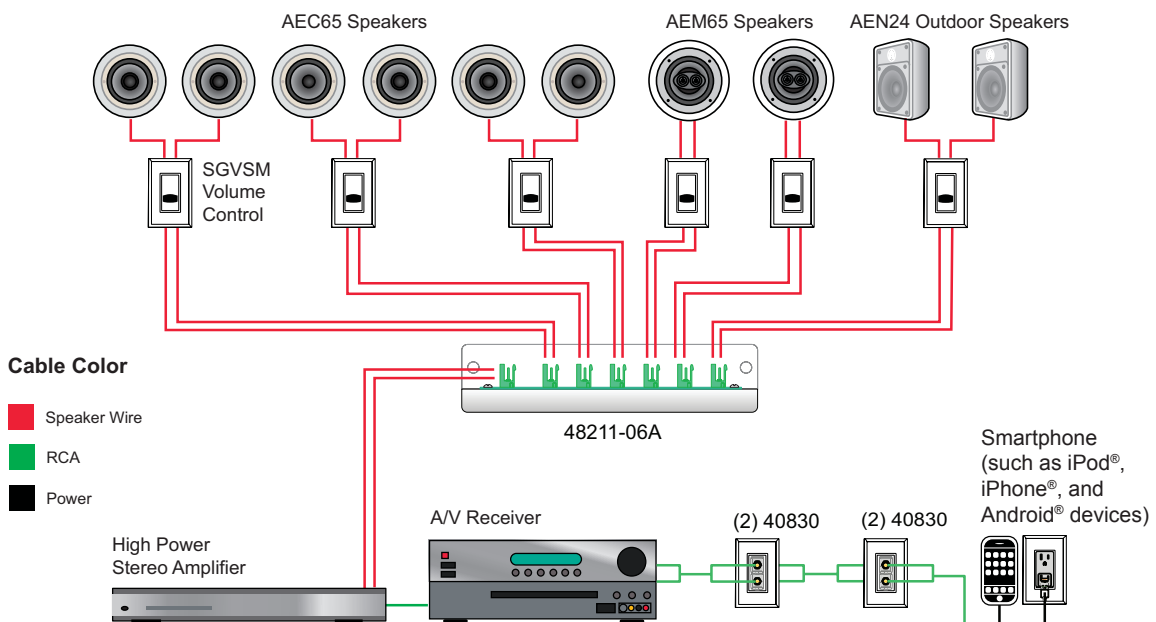
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MULTI-ROOM AUDIO SYSTEM USING SYSTEM-MATCHING MODULE



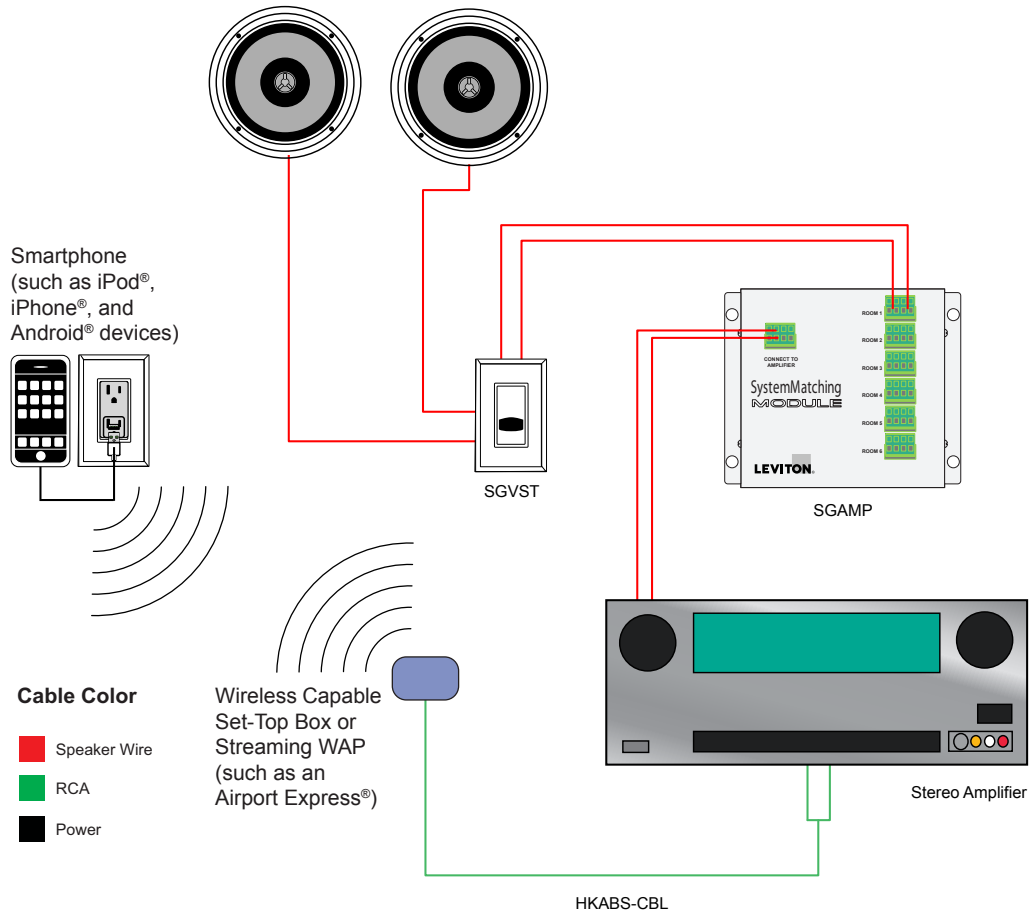
MULTI-ROOM AUDIO SYSTEM USING 1X6 AUDIO DISTRIBUTION MODULE



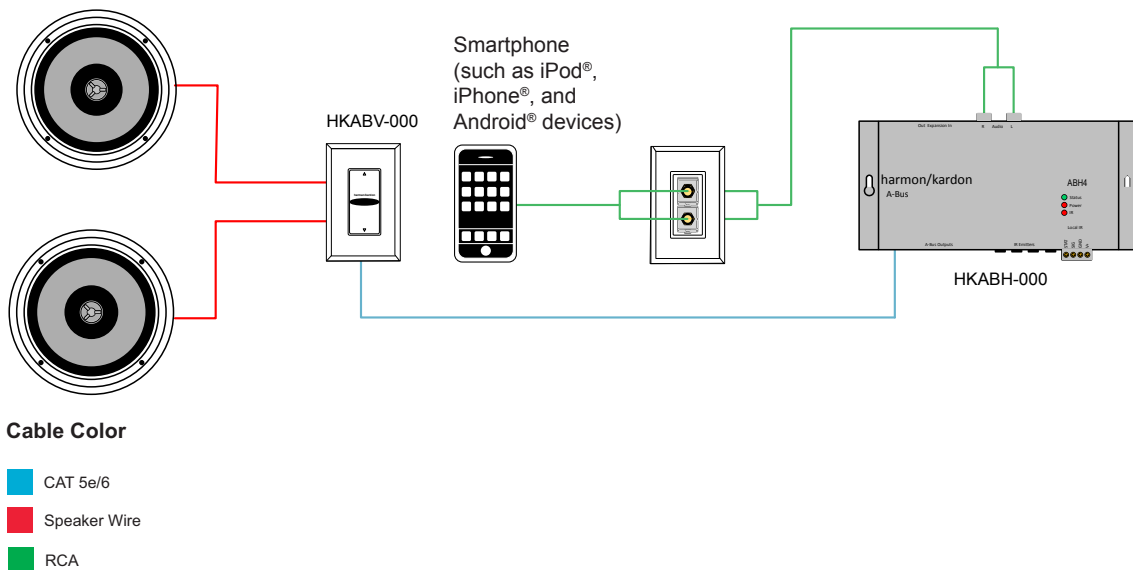
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PASSIVE MULTI-ROOM AUDIO WITH WIRELESS MEDIA STREAMING INTEGRATION



A-BUS MULTI-ROOM AUDIO



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Leviton Network Solutions Division Headquarters

leviton.com/networksolutions

2222-222nd Street S.E., Bothell, WA 98021 USA

Inside Sales

T 800.722.2082

E insidesales@leviton.com

Technical Support

T 800.824.3005 / +1.425.486.2222

E appeng@leviton.com

International Inside Sales

T +1.425.486.2222

E intl@leviton.com

Leviton Corporate Headquarters

leviton.com

201 N. Service Road, Melville, NY 11747 USA

Customer Service

T 800.323.8920 / +1.631.812.6000

E customerservice@leviton.com

Leviton International Offices

Asia / Pacific

T +1.631.812.6228

E infoasean@leviton.com

India / SAARC

T +91.80.4322.5678

E infoindia@leviton.com

Canada

T +1.514.954.1840

E pcservice@leviton.com

Latin America

T +52.55.5082.1040

E lsamarketing@leviton.com

Caribbean

T +1.954.593.1896

E infocaribbean@leviton.com

Mexico

T +52.55.5082.1040

E lsamarketing@leviton.com

China

T +852.2774.9876

E infochina@leviton.com

Middle East & Africa

T +971.4.886.4722

E lmeinfo@leviton.com

Colombia

T +57.1.743.6045

E infocolombia@leviton.com

South Korea

T +82.2.3273.9963

E infokorea@leviton.com

Europe

T +33.6.8869.1380

E infoeurope@leviton.com

All Other International Inquiries

E international@leviton.com

