

Infrastructure to Support Multi-Tenant Data Center

PANDUIT®
infrastructure for a connected world

Solution Guide



Connecting You to What Matters Most

We believe those who design, build, and maintain network and electrical infrastructures are the heroes of business continuity and key drivers of success.

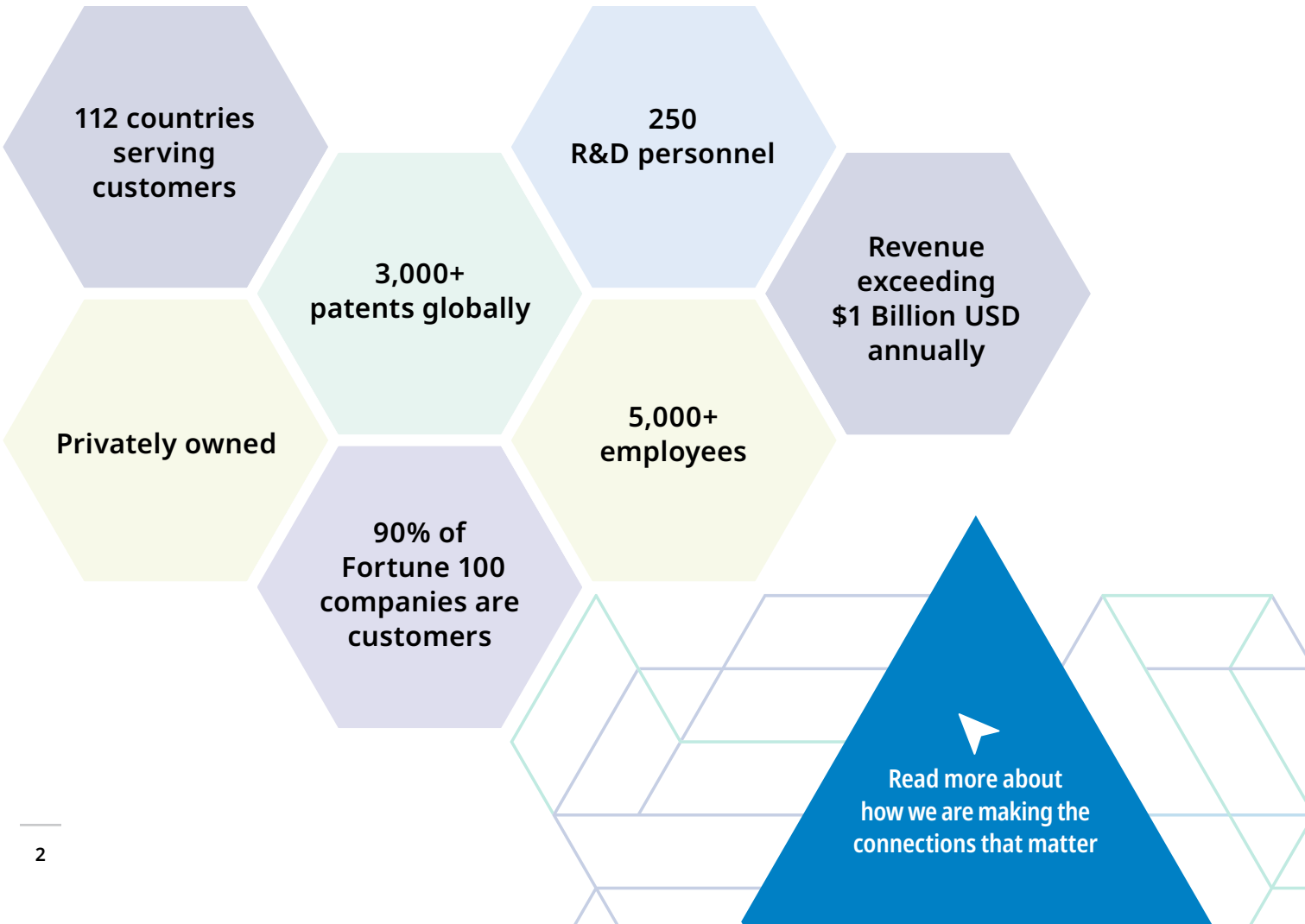
Founded in 1955, Panduit has grown to become a global leader in infrastructure and connectivity solutions, trusted for the high quality of our products and continuing innovation.

Our passion as a technology-driven, customer centric company, drives everything we do. We put your needs at the heart of our strategy by making targeted R&D investments and working closely with you to provide and develop products that push technology boundaries to address your unique needs and help grow your business.

With proactive communication and seamless global support, we connect you with the ideas and solutions of tomorrow.

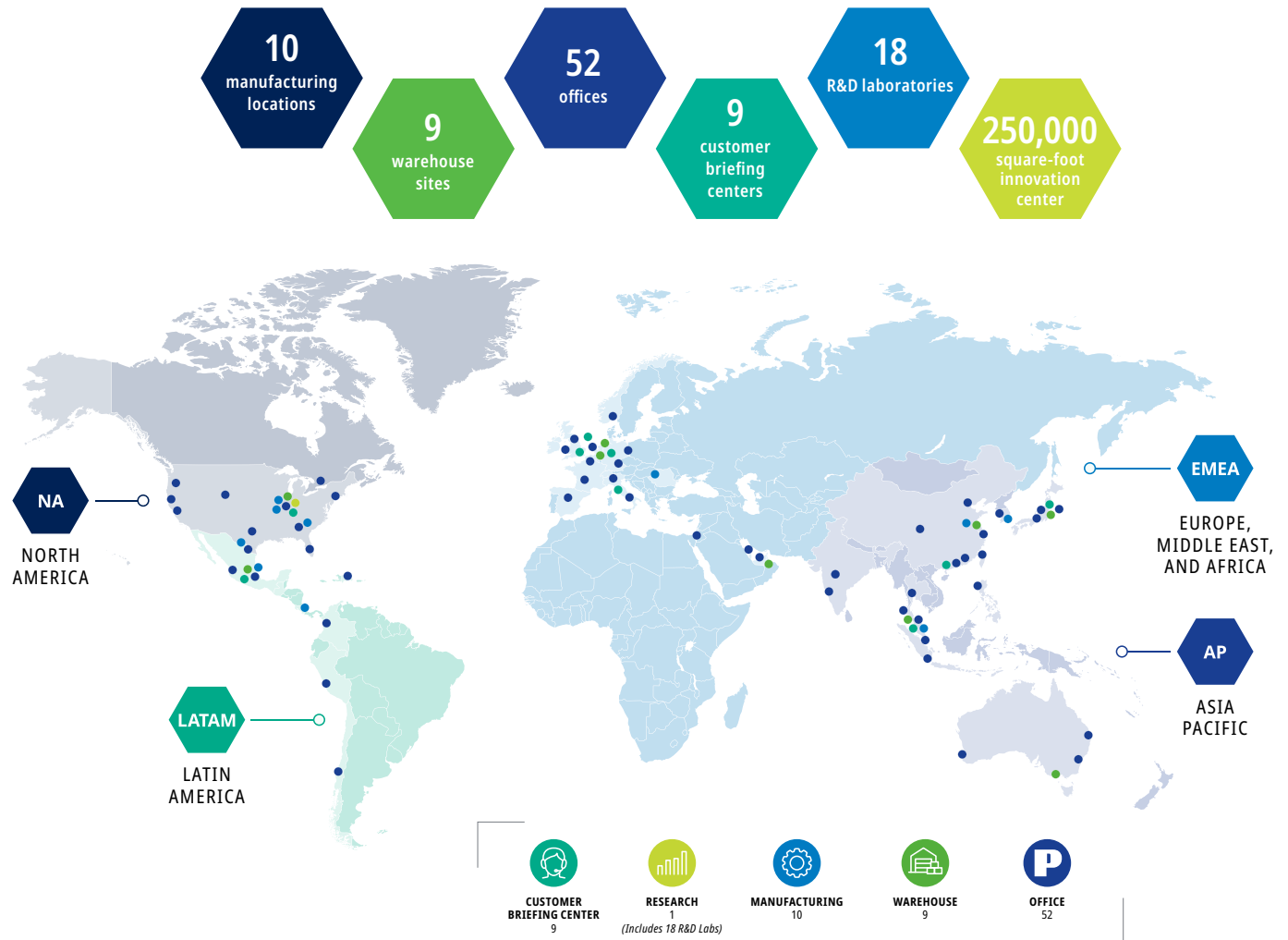
Make the most important connection of all

By partnering with Panduit, you can develop your infrastructure strategy on a foundation of expertise that ensures scalability, accuracy, security, and reliability—so you can build for long-term growth.



Connect to Global Solutions

When it's your vision to connect technology, systems, and people on a global scale, you don't go it alone. The Panduit support team is committed to earning your trust and providing a superior customer experience the world over, and a partner ecosystem that spans the project lifecycle—from planning and design to delivery, deployment, maintenance, and operation.



Partner Ecosystem

Delivering a cohesive and seamless customer experience

Collaborative Global Network

Our global network of distributors provides local inventory, product support, and a wide range of logistics services so our customers can expect to receive exactly what they need when they need it, across the globe.



The global Panduit ONESM Partner Program is designed to support and reward providers by elevating their go-to-market strategy and helping them build for long-term growth.

IT Resellers and System Integrators

Our extensive ecosystem includes IT resellers and system integrators committed to meeting diverse customer needs for powering connectivity, securing networks, and fueling innovation.

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Segregate, route, and protect fiber optic and high-performance copper cabling from distribution areas to equipment cabinets or racks.	
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Monitor data center power by continuously scanning for electrical circuit overloads and environmental conditions that place critical IT equipment at risk.	
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Improving productivity, accuracy, and workplace safety with innovative labeling and identification.	
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The gray space in data centers supports backend operations with products like Absence of Voltage Testers and Cable Cleats, ensuring the white space runs safely and efficiently.	
Grounding and Bonding	45-50
Maintain system performance and protect personnel and equipment with high quality, visually verifiable connections, and dedicated grounding paths.	

White Space Solutions at the Cage Level

Reduce time from book to bill with a single source provider of all layer 1 infrastructure solutions needs in the white space. Cabinets, power distribution, hot and cold aisle containment, copper and fiber cable, connectivity, thermal sealing, and grounding and bonding solutions that protect your critical connections.



PanMPO™ Connectors

Easily convert between male and female gender, and between key-up and key-down polarity for a standards-compliant 10G/40G/100G/400G Ethernet installation.



Uniboot Patch Cords

Provide interconnect and crossconnect of network applications in main distribution, horizontal distribution, and equipment distribution areas.



Smart Security Handle

Intelligent access control to a rack or cabinet in a data center and with real-time physical status.



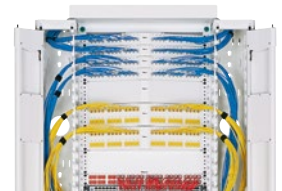
Intelligent PDUs

Monitors true power consumption and thermal conditions at the cabinet or individual outlet level.



Cable Management

Vertical and horizontal cable management, and rack solutions reduce the space required to route, manage, and protect high-cable capacities.



Thermal Accessories

Optimize data center airflow within cabinets to protect active equipment.



HD Flex™ Fiber Cabling System

HD Flex is a high-density front and rear access cabling solution that provides the management and protection for critical connections.



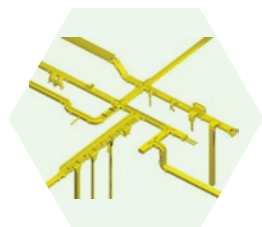
RapidID™ Network Mapping System

RapidID Network Mapping System automates the labor-intensive and error-prone cable documentation process, resulting in a faster, easier way to place and trace cables and patch cords.



Meet-Me Room (MMR)

Meet-Me Rooms need to be designed to distribute data center traffic more cost-effectively and efficiently in a safe and secure environment. Distribution frames, splice enclosures, pathways, and fiber assemblies are the main components of the Meet-Me Room and are used to reliably transfer data from ISPs/Carriers to each tenant's cage.



FiberRunner® Cable Routing System

The FiberRunner Cable Routing System ensures maximum network reliability and reduced cost of ownership.

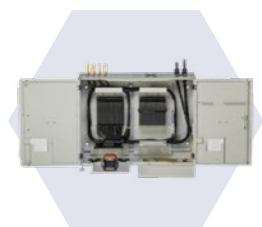
[➤ See page 12](#)



HD Flex Fiber Cabling System

HD Flex solutions empower you to optimize floor space, reduce risks and simplify moves, adds and changes (MAC).

[➤ See pages 33](#)



HD Fusion Fiber Wall Mount Splice Enclosure

The Wall Mount Fiber Splice Enclosure houses, organizes, manages, and protects cable to cable fusion splice connections. It can accommodate individual or ribbon fibers. This enclosure features split doors and supports up to 3456, 6912, or 13824 ribbon fibers.

Find out more here about the Wall Mount Splice Enclosure

[➤ See page 34](#)



Uniboot Patch Cords

Ideal for high-density applications, the Uniboot fiber patch cord features a small 2mm unitary cable with a pushpull boot that provides easier access to insert/remove without disturbing adjacent circuits.

[➤ See page 35](#)



PanMPO Fiber Assemblies

The only MPO products that offer the ability to quickly change polarity and gender without the need for tools. Includes a push-pull boot that enables easy access without disturbing adjacent circuits.

[➤ See page 35](#)



RapidID™ Network Mapping System

RapidID is a software-enabled network mapping system that simplifies the ability to determine the location of every connected port. Works with all Panduit fiber patch cords and interconnects.

[➤ See page 39](#)



Fiber Indoor-Outdoor Ribbon Cables

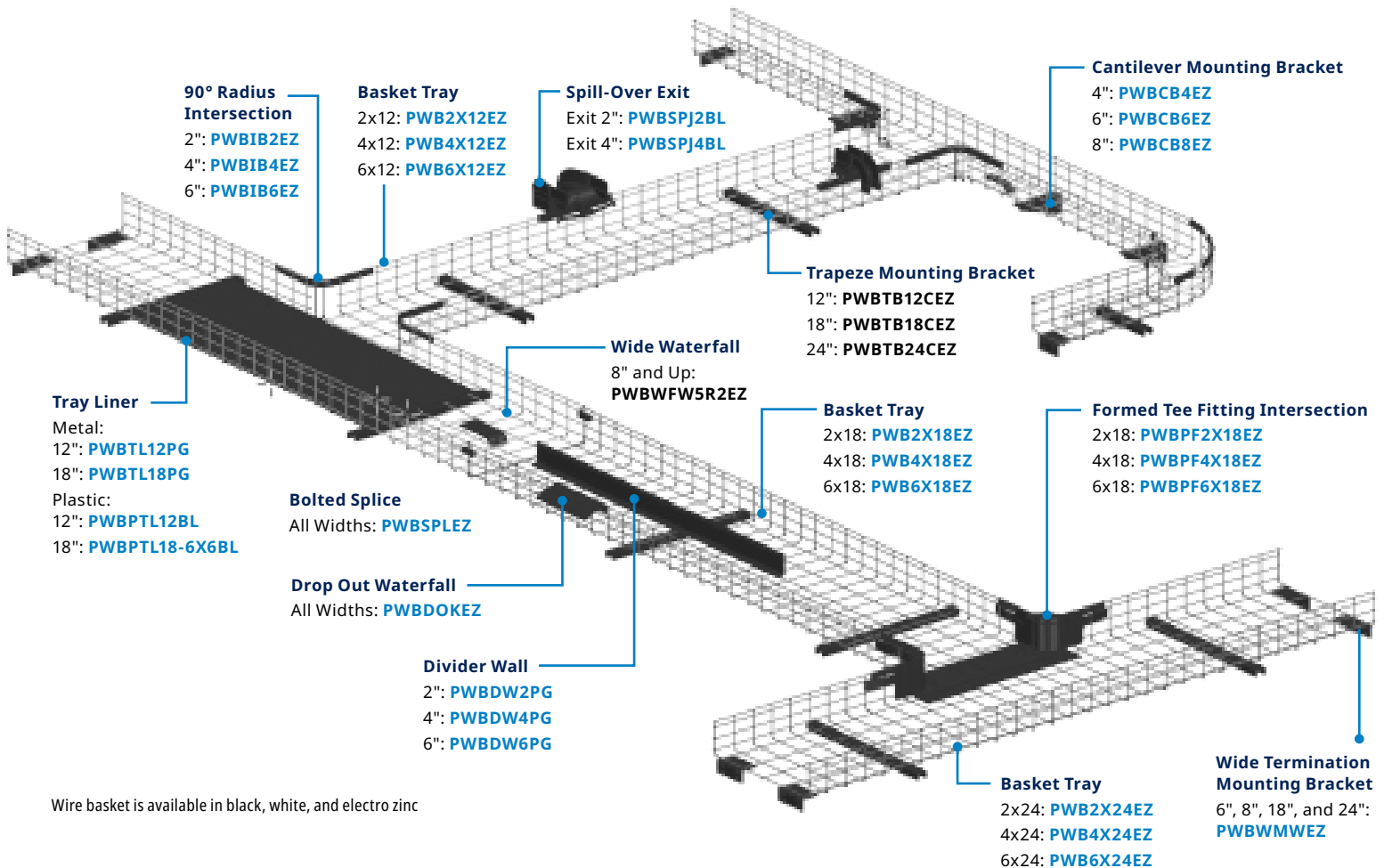
Learn more here on how you can optimize space, deploy faster, save costs, and improve on time.



Pathway Solutions

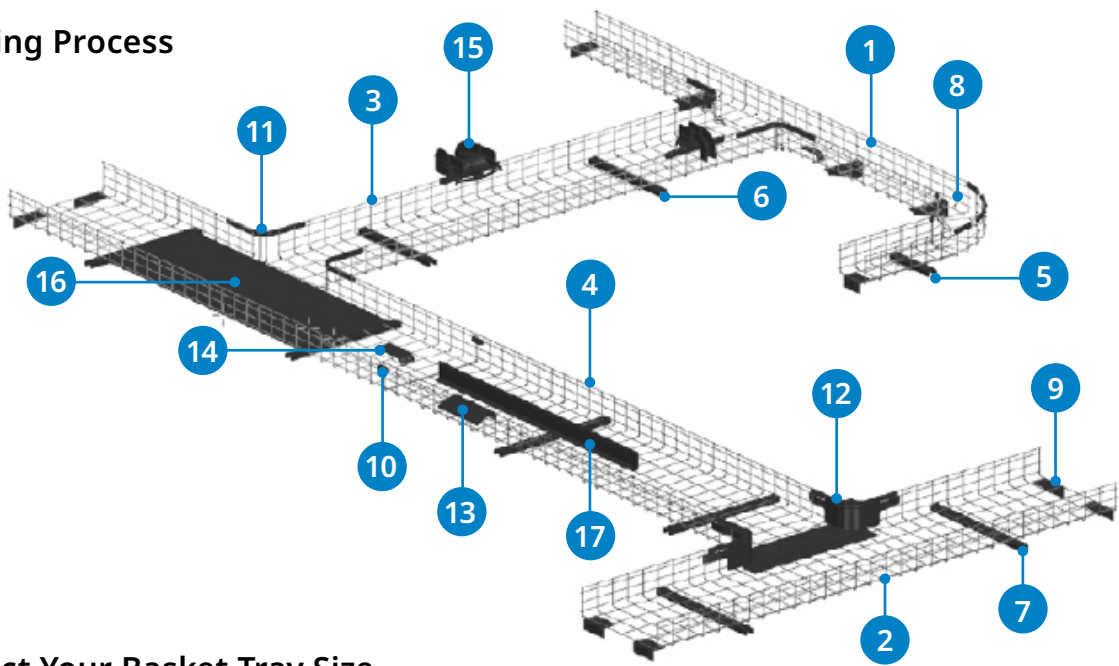
Wire Basket Overhead Cable Tray Routing System

The Wire Basket Cable Tray Routing System is designed to route and manage copper data cables, fiber optic, or power cables within data centers, connected buildings, and industrial automation applications. Innovative features provide quick, safe, and easy assembly for reduced installation costs and faster deployment.



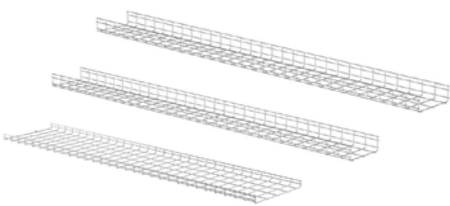
Discover more about
our Wire Basket
Overhead Cable Tray
Routing System

Ordering Process



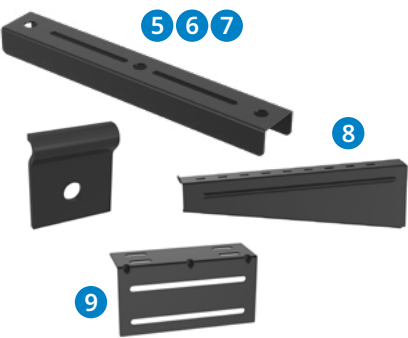
1. Select Your Basket Tray Size

	Basket Height	Basket Width	Color
PWB	2 = 2 inch	X4 = 4 inch	BL = Black WH = White EZ = Electro Zinc
	4 = 4 inch	X6 = 6 inch	
	6 = 6 inch	1 X8 = 8 inch	
		2 X12 = 12 inch	
		3 X18 = 18 inch	
		4 X24 = 24 inch	
		X30 = 30 inch	
		X36 = 36 inch	



2. Select A Mounting Option

	Basket Height	Basket Width	Color
PWB	5 6 7 TB = Trapeze Bracket CB = Cantilever Bracket ¹	4 = 4 inch	BL = Black WH = White EZ = Electro Zinc
	8 WMBV = Vertical Wall Mount Bracket	6 = 6 inch	
	9 WMN = Narrow Termination Bracket	8 = 8 inch	
	WMW = Wide Termination Bracket	12 = 12 inch	
		18 = 18 inch	
		24 = 24 inch	
		30 = 30 inch	
		36 = 36 inch	



¹30" and 36" brackets not available

3. Select Your Hardware

	Series	Color
PWB	10 SPL = Bolted Splice	BL = Black WH = White EZ = Electro Zinc
	PS = Push-On Splice	
	FES = Expansion Splice	
	TSB = Trapeze Hanging Clip ²	
	SC = Strut Clip ²	
	HK = Hardware Kit Clip ³	

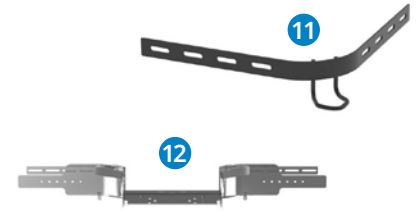


²Available only in electro-zinc plating (EZ), ³Available only in black and electro-zinc (BL and EZ)

4. Select Your Basket Tray Size

	Series	Basket Height	Basket Width Used	Color
PWB	11 12 IB = 90° Radius Intersection ⁴ PF = Formed Tee Fitting	2 = 2 inch 4 = 4 inch 6 = 6 inch	X4 = 4 inch X6 = 6 inch X8 = 8 inch X12 = 12 inch X18 = 18 inch X24 = 24 inch X30 = 30 inch X36 = 36 inch	BL = Black WH = White EZ = Electro Zinc

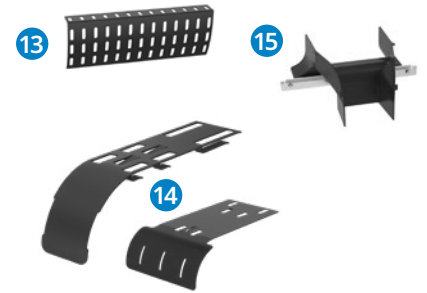
⁴Skip this for IB series part numbers (not required)



5. Add Your Waterfalls

	Series	Color
PWB	13 DOK = Drop Out Kit WFN = Narrow Waterfall 14 WFW = Wide Waterfall 15 SPJ2 = Spill-Over Exit 2-inch ⁵ SPJ4 = Spill-Over Exit 4-inch ⁵ SPJ8 = Spill-Over Exit 8-inch SPJ12 = Spill-Over Exit 12-inch SPJ18 = Spill-Over Exit 18-inch SPJ24 = Spill-Over Exit 24-inch	BL = Black WH = White EZ = Electro Zinc

⁵Available only in black (BL)



6. Select A Tray Liner

	Basket Height	Basket Width Used	Color
PWB	16 TL = Tray Liner PTL = Plastic Tray Liner	4 = 4 inch 6 = 6 inch 8 = 8 inch 12 = 12 inch 18 = 18 inch 24 = 24 inch 30 = 30 inch 36 = 36 inch	BL = Black WH = White PG = Pre-Galvanized ⁶

⁶Available only in metal



7. Select A Divider Wall

	Basket Height	Basket Width Used	Color
PWB	17 DW = Divider Wall	2 = 2 inch 4 = 4 inch 6 = 6 inch	BL = Black WH = White PG = Pre-Galvanized



Commonly Ordered Part Numbers

Basket Trays



PWB4X12EZ



PWB4X18EZ



PWB4X24EZ

Part Number	Basket Height in.	Basket Width in.	Color
PWB4X12EZ	4	12	Electro zinc
PWB4X18EZ		18	
PWB4X24EZ		24	

Mounting Brackets



PWBTB24CEZ



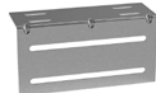
PWBCB18BL



PWBWMBVBL



PWBWMNEZ



PWBWMWEZ

Part Number	Description	Support Width in.	Color
PWBTB24CEZ	Trapeze	24	Electro zinc
PWBCB18BL	Cantilever	18	Black
PWBWMBVBL	Wall mount vertical	Supports all widths	
PWBWMNEZ	Narrow termination	Supports 4 and 12	Electro zinc
PWBWMWEZ	Wide termination	Supports 6, 8, 18, and 24	

Hardware



PWBSPLBL



PWBTSBEZ



PWBSCEZ



PWBHKBL

Part Number	Description	Support Width in.	Color(s)
PWBSPLBL	Bolted splice	Supports all widths	Black or Silver
PWBTSBEZ	Trapeze hanger clip	Supports 4, 6, 8, and 12	Silver
PWBSCEZ	Strut clip	Supports all widths	
PWBHKBL	Hardware kit clip		Black or Silver

Intersection



PWBIB2BL



PWBP4X12EZ

Part Number	Service	Basket Height in.	Support Width in.	Color
PWBIB2BL	90° Radius Intersection	2	Supports all widths	Black
PWBP4X12EZ	Formed Tee Intersection	4	12	Electro zinc

Waterfall



PWBDOKBL



PWBWFNR2EZ



PWBWF5R2BL



PWBSPJ2BL



PWBSPJ4BL

Part Number	Description	Support Width in.	Color
PWBDOKBL	Drop out kit	Supports all widths	Black
PWBWFNEZ	Narrow waterfall		Electro zinc
PWBWFWBL	Wide waterfall	Supports 8 and up	Black
PWBSPJ2BL	Spill-over exit	Supports all widths	
PWBSPJ4BL			

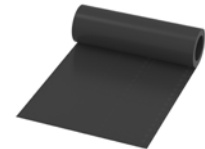
Tray Liner



PWBTL12BL



PWBTL18PG



PWBPTL18-6X6BL

Part Number	Service	Support Width in.	Color
PWBTL12BL	Tray Liner	12	Black
PWBTL18PG		18	Pre-galvanized
PWBPTL18-6X6BL	Plastic Tray Liner		Black

Divider Wall



PWBDW2BL



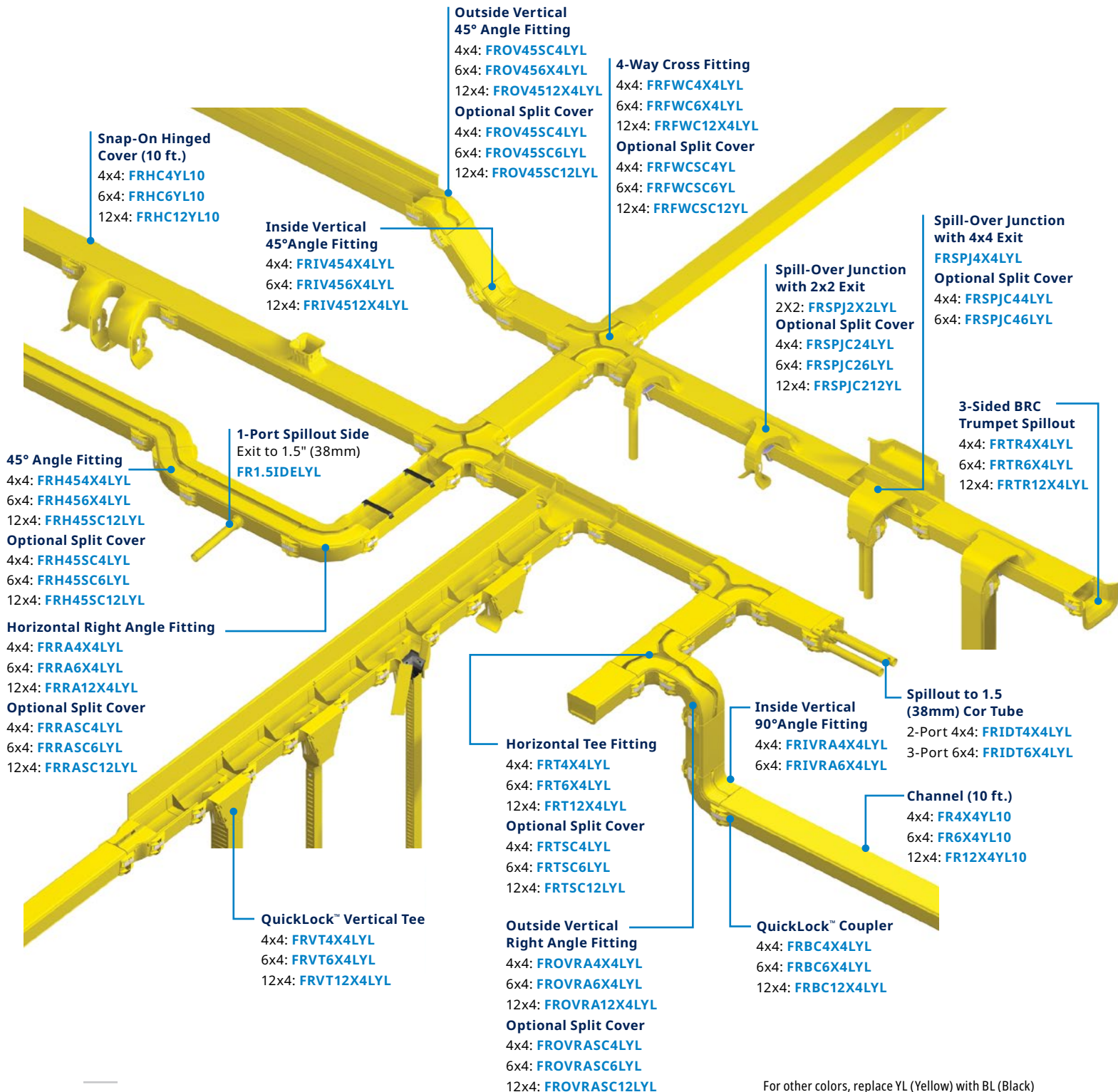
PWBDW4PG

Part Number	Service	Support Width in.	Color
PWBDW2BL	Divider wall	2	Black
PWBDW4PG		4	Pre-galvanized

For a full listing of selections, please view the [Wire Basket Overhead Cable Tray Routing System Application Guide](#)

FiberRunner® Cable Routing System

The FiberRunner Cable Routing System ensures maximum network reliability and reduced cost of ownership. Robust, highly engineered components with integral bend radius control surfaces can be configured to meet virtually any network application to provide optimum cable protection and assure network performance. Fast and easy to deploy, this scalable cable routing solution reduces installation cost and speeds implementation of new services.



For other colors, replace YL (Yellow) with BL (Black)

FiberRunner® Accessories

Adjustable Ladder QuickLock™ Bracket

4x4: [FR6ALB](#)
 6x4: [FR6ALB](#)
 12x4: [FR12ALB](#)



New Threaded Rod QuickLock Bracket

4x4: [FR6TRBN58](#)
 6x4: [FR6TRBN58](#)
 12x4: [FR12TRBN58](#)



2-Piece Ladder Rack Bracket

1/2" Threaded Rod
[F2PCLB12](#)



Ladder Rack QuickLock Bracket

4x4: [FR6LRB](#)
 6x4: [FR6ALB](#)



Adjustable Cabinet QuickLock Bracket

4x4: [FR6ACAB](#)
 6x4: [FR6ACAB](#)
 12x4: [FR12ACAB](#)



QuickLock Trapeze Bracket

1/2" Threaded
 4x4: [FR6TB12](#)
 6x4: [FR6TB12](#)



Existing Threaded Rod QuickLock Bracket

1/2" Threaded
 4x4: [FR6TRBE12](#)
 6x4: [FR6TRBE12](#)
 5/8" Threaded
 4x4: [FR6TRBE58](#)
 6x4: [FR6TRBE58](#)
 12x4: [FR12TRBE58](#)



FiberRunner® Side Clamps

[FRQMC-X](#)



4-Way Cross Split Cover

4x4: [FRFWCSC4LYL](#)
 6x4: [FRFWCSC6LYL](#)



End Cap

2x4: [FHDEC2X2LYL](#)
 4x4: [FREC4X4LYL](#)
 6x4: [FREC6X4LYL](#)
 12x4: [FREC12X4LYL](#)
 24x4: [FREC24X4LYL](#)



Corrugated Loom Tube Slit Wall

1.5" (38mm) x 10' (3.0m)
 Yellow: [CLT150F-X4F](#)
 Black: [CLT150F-X20](#)



12x4 to 6x4 FiberRunner® Reducer Fitting

[FRRF126LSYL](#)
 Optional Split Cover
[FRRF126SCLYL](#)



6x4 to 4x4 FiberRunner Reducer Fitting

[FRRF6FR4LYL](#)



6x4 FiberRunner to 4x4 Fiber-Duct™ with Cover

[FRRF64YL](#)
 Optional Split Cover
[FRRF6FR4SCLYL](#)



6x4/4x4 2-Port Spillout

[FIDT4X4LBL](#)



2x2 1-Port Spillout

[FIDT2X2LYL](#)



ADC Transition Fittings

4x4 to 4x4: [FRADC4X4BL](#)
 6x4 to 6x4: [FRADC6X4YL](#)
 12x4 to 12x4: [FRADC12X4BL](#)



Cabinets and Racks

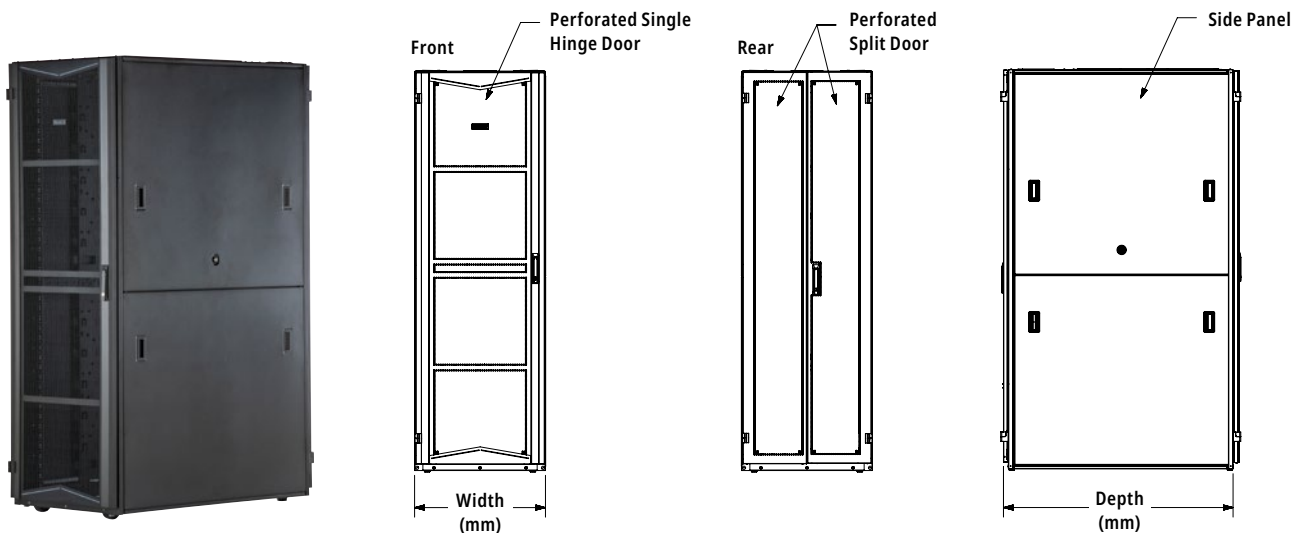
Panduit cabinets and racks provide a reliable, scalable foundation for data center infrastructure. Designed for high-density deployments, they support advanced airflow management, secure equipment housing, and seamless integration with power and cable systems. Their modular design helps optimize space, cooling efficiency, and operational flexibility.



Next-generation cabinet with custom configurations to meet your network needs.

- Easy to adjust E-rails, PDU installation, and accessories to reduce installation time
- Solid construction with best-in-class load rating for secure installation
- Choice of key lock, 3-digit combo or HID electronic, and/or keypad lock
- Choice of tool-less fingers, vertical cable manger or front-to-back cable manager
- Turnkey deployment with pre-configured PDU, access control, and environmental monitoring
- Universal design for server or network applications
- 80% perforated doors for increasing power density in newer deployments
- Configuration platform to create cabinet to meet your specification and requirements

Cabinet Dimensions



Ordering information

Part Number	Width (mm)	Rack Units (RU)	Depth (mm)	Side Panels	Color	Top Cab Type	Doors	PDU Mounting Bracket	Cable Management Fingers	Vertical Cable Management Bracket	Casters	PDU Included
XG64529BS001F	600	45	1200	None	Black	Brush Seal	None	Both Sides	One Short Set	Yes	Yes	No
XG64529BS001E				Included								
XG64522BS001E				Included								
XG64829BS001F		None		None								
XG64829BS001E		Included										
XG64822BS001E		Included										
XG64829WS001F		None		None								
XG64829WS001E		Included										
XG64822WS001E		Included										
XG65129BS001F		None		None								
XG65129BS001E		Included										
XG65122BS001E		Included										
XG65129WS001F		None		None								
XG65129WS001E		Included										
XG65122WS001E		Included										
XG84829BS001G	800	48		None	Black		None					
XG84829BS001H				Included			Included					
XG84822BS001H				Included			Included					
XG84829WS001G				None	None							
XG84829WS001H				Included	Included							
XG84822WS001H				Included	Included							
XG85129BS001G		51		None	Black		None					
XG85129BS001H				Included			Included					
XG85122BS001H				Included			Included					

More more information about the FlexFusion cabinet offering visit [here](#)
 To configure FlexFusion cabinets with additional design options, visit panduit.com/configure-cabinet

FlexFusion™ XGL

FlexFusion XGL Cabinets are the preferred choice for applications that require maximum flexibility in data center, enterprise or colocation deployment. Select from 16 models that are equipped with the essential options that provides a simple costeffective cabinet solution.

- Front single hinged door and split-hinged rear door with 80% open perforation
- Horizontally split side panels
- Adjustable front and rear cage nut equipment rails
- Includes 1 set of PDU mounting bracket, casters, ganging brackets and heavy-duty leveling legs
- Fully integral bonded without use of grounding wire equipment rails, doors, side panels and top cap
- Static load rating – 3500 lbs. and rolling load rating – 2500 lbs.



Part Number	Width (mm)	Cabinet Height (RU)	Depth (mm)	Color
XGL64212B	600	42	1070	Black
XGL64222B			1200	
XGL64812B		48	1070	
XGL64822B			1200	
XGL84212B	800	42	1070	
XGL84222B			1200	
XGL84812B		48	1070	
XGL84822B			1200	
XGL64212W	600	42	1070	White
XGL64222W			1200	
XGL64812W		48	1070	
XGL64822W			1200	
XGL84212W	800	42	1070	
XGL84222W			1200	
XGL84812W		48	1070	
XGL84822W			1200	

FlexFusion™ Accessories

Cable Management Fingers

Part Number	RU	Length In.	Color
XG-FML45B	42 – 45	6	Black
XG-FML45W			White
XG-FML48B	48		Black
XG-FML48W			White
XG-FMS45B	42 – 45	4	Black
XG-FMS45W			White



PDU Mounting Brackets

Part Number	Description	Color
XG-PBRB	FlexFusion PDU Mounting Bracket	Black
XG-PBRW		White



Vertical Cable Management Panels

Part Number	RU	Color
XG-VCM42B	42	Black
XG-VCM42W		White
XG-VCM45B	45	Black
XG-VCM45W		White
XG-VCM48B	48	Black
XG-VCM48W		White



Thermal Sealing Accessories

Part Number	Description	Color
TLBP1S-V	1 RU tool-less blanking panel, square hole 19" (483mm) width for 3/8" cage nut holes (may be used with or without cage nuts installed)	Black
TLBP2S-V	2 RU tool-less blanking panel, square hole 19" (483mm) width for 3/8" cage nut holes (may be used with or without cage nuts installed)	
FLBSIM-51	Full-length blanking shade blanks out 1 – 51 consecutive rack units on standard 19" (482.6mm) wide vertical mounting rails	
BFS100X2000	Adhesive-backed foam strips, 1/16" (1.6mm) closed-cell vinyl foam, perforated to create multiples of 1.00 inch x 20.00 inch strips	



4-Post Cable Management Rack System

- Independent adjustable front and rear mounting rails can be adjusted while the rack is secured to the floor
- Printed rack space identification on all equipment rails allows for quick location of rack spaces (shipped numbers up per TIA606 specifications; can be set to number down by flipping the rails)
- Multiple mounting holes in top flanges for securing overhead pathways
- Weld nut construction eliminates the need for a second wrench increasing speed and ease of assembly
- Vertical cable managers mount directly to the 4-post rack at any of the four corners
- Paint piercing washers included to electrically bond rack for simplified grounding

Part Number	Height In. (mm)	Width In. (mm)	Depth In. (mm)	No. of Rack Units	Equipment Rails	Weight Load (lbs.)	Color
R4P	84.0 (2134)	23.3 (591)	30.0 (762)	45	#12-24 threaded	2500	Black
R4PCN					Cage nut		
R4P23CN			23.0 (584)				
R4P36			36.0 (914)		#12-24 threaded		
R4P36CN					Cage nut		
R4P42CN			42.0 (1054)				



R4PCN

Adjustable Depth 4-Post Racks

- Supports equipment mounting depths from 23 inches to 42 inches in 0.5 inch increments
- Constructed from heavy-duty steel which provides a sturdy and durable platform for equipment
- Compatible with accessories including: power distribution, unit brackets, vertical tie-off panels, and shelving
- Includes grounding and bonding features that prevent damage from electrical surges and ensure equipment operates reliably

Part Number	Height In. (mm)	Width In. (mm)	Depth In. (mm)	No. of Rack Units	Equipment Rails	Weight Load (lbs.)	Color
AR4P	84.13 (2136.9)	20.31 (515.9)	23.00 to 42.00 (584.2 to 1066.8)	45	#12-24 threaded	2000	Black
AR4P96	96.13 (2441.7)			52			
AR4PCN	84.13 (2136.9)			45	Cage nut		
AR4PCN96	96.13 (2441.7)			52			

To learn more about our Adjustable Depth 4-Post Racks offering, please visit [here](#)



AR4P

PatchRunner™ 2 Vertical Cable Management System

- A “push-to-close” door design allows for easy operation
- The doors ship with managers which simplifies the ordering process with less packaging waste
- There are no brackets to install, providing faster installation while reducing labor costs
- Managers and doors are available in black and white
- Individual fingers align with rack spaces to simplify cable routing changes
- The integral bend radius control ensures network performance and system reliability
- An optional snap on vertical retainer can be placed on the fingers to help retain cables in channel for improved cable management and appearance
- An optional slack management spool helps organize and manage patch cord slack allowing for standardization of patch cord lengths

Part Number	Height In. (mm)	Width In. (mm)	Depth In. (mm)	No. of Rack Units	Single or Dual-Sided	No. of Doors Included	Color
PR2VD06	84.0 (2130)	6.0 (152)	20.6 (523)	45	Dual	2	Black
PR2VD08		8.0 (203)					
PR2VD10		10.0 (254)					
PR2VD12		12.0 (305)	12.0 (304.8)		Single	1	
PR2VFD06		6.0 (152)					
PR2VFD08		8.0 (203)					
PR2VSD06		6.0 (152)	20.6 (523)		Dual		
PR2VSD08		8.0 (203)					



PR2VD08

Cable Management Accessories

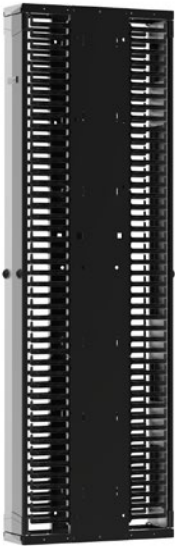
Part Number	Description	Color
PR2VRGSK12	Rear gate system kit for use with 12-inch wide single-sided PatchRunner 2 vertical cable managers, kit of 4 gates	Black
PR2VWF	Waterfall trough creates a cable pathway above 2-post or 4-post rack systems and PatchRunner 2 vertical cable managers	



PR2VWF

PatchRunner 2 Enhanced Vertical Cable Manager with Vertical Patching

Part Number	Height In. (mm)	Width In. (mm)	Depth In. (mm)	No. of Rack Units	Single or Dual-Sided	No. of Doors Included	Color
PE2VD06	84.0 (2130)	6.0 (152)	26.8 (681)	45	Dual	2	Black
PE2VD08		8.0 (203)					
PE2VD12		12.0 (305)					
PE2VFD06		6.0 (152)	16.3 (415)		Single	1	



PE2VD12

PatchRunner 2 Horizontal Cable Management System

Part Number	Height In. (mm)	Width In. (mm)	Depth In. (mm)	No. of Rack Units	Single or Dual-Sided	No. of Doors Included	Color
PR2HF2	3.6 (90)	19 (484)	7.9 (202)	2	Single	1	Black
PR2HF3	5.41 (135)			3			
PR2HF4	7.1 (179)			4			



PR2HF2



Containment and Cooling

Reduce cooling energy consumption by optimizing hot and cold air separation and maximizing cabinet density through the use of containment systems and Rear Door Heat Exchangers. This approach minimizes thermal mixing, allowing cooling systems to operate more efficiently and at higher set points. By increasing cabinet density, you also make better use of floor space, reducing the overall footprint and associated infrastructure costs.

NetContain™ Universal Aisle Containment

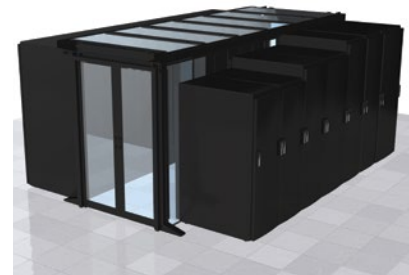
The Net-Contain Universal Aisle Containment System allows users to reclaim underutilized cooling capacity, reduce energy expense, and reduce OpEx by retrofitting their existing data center with a versatile containment system. The system includes an independent support structure, sliding doors, vertical blanking panels, and roof structure. This flexible offering can be configured in Hot Aisle and Cold Aisle containment and allows the addition of cabinets of varying sizes and design as needed, reducing deployment time and capital investment.

Reclaim Cooling Capacity

Retrofitting the Net-Contain Universal Aisle Containment System into your existing data center allows you to optimize the separation of hot and cold air enabling higher per cabinet density, reclaiming 10% of existing cooling capacity.



Day 1 – Containment built without any cabinets.



Day 2 – Add cabinets, as your needs dictate enables fast implementation.

Reduce Operational Expense

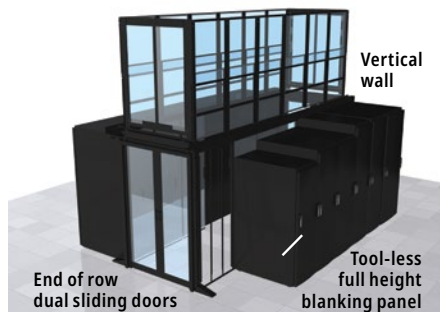
Containment reduces cooling energy consumption by as much as 40%.



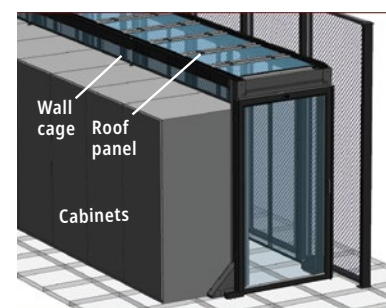
Expansion

Reduce CapEX

The Net-Contain Universal Aisle Containment System provides you with the flexibility to build a containment system and then add cabinets of varying sizes and design as your needs dictate, reducing the time and capital investment.



Vertical wall containment typically used for passive hot aisle containment or ceiling discharge cold aisle containment.



Last row compatible

Let us customize to your containment configuration,
contact your Panduit Sales Representative.

Rear Door Heat Exchanger

Panduit and Motivair have joined forces to offer a premier liquid cooling portfolio combining Motivair's rear door heat exchanger (RDHX) and the Panduit FlexFusion™ cabinet. These integrated solutions work Day 1 based on Panduit interoperability and validation testing.

Why the Panduit FlexFusion?

- Best-in-class static load rating of 3,500 pounds and 1,000 pounds for rolling load
- 80 percent open perforated doors assure maximum airflow throughout the cabinet for high thermal application
- Cabinets and accessories are integrally bonded without the use of grounding wires to provide a safe and reliable network while reducing installation costs
- Cabinets are powder coated in a durable, low maintenance polyester epoxy paint available in Black (RAL9005) or White (RAL9003)

Why the Motivair RDHX?

- Provides 100 percent heat removal in air-cooled or liquid-cooled data centers, ensuring optimal performance even under the most demanding conditions up to 75Kw
- Global fulfillment and engineered to ensure maximum uptime and operational stability
- Scales as your operations grow, efficiently meeting future demands
- Reduces energy consumption and operational costs

Comprehensive Data Center Solutions

Panduit is a leading global manufacturer of high-quality electrical and network infrastructure and connectivity solutions. We also offer these innovative products for your data center.

- Intelligent PDUs that provide more efficient power management
- UPS devices that ensure increased network reliability
- Fiber and Copper Connectivity to enable high bandwidth performance



Get more cool details at
panduit.com/RDHX

Power Distribution & Management

Intelligent Power Distribution Units

Panduit Power Distribution Units are designed for the modern data center, integrating seamlessly with facility systems. Our PDUs offer versatile options in density, capacity, and connectivity, future-proofing your infrastructure to meet diverse application needs. Our colocation solutions enhance operational efficiency with a resilient architecture, future-proofing your operations for tomorrow's challenges.



Smart Auto Rotating Touchscreen

Simplifies deployment with an adaptive display that flips to match any orientation top or bottom fed.



Secure Zero-Touch Provisioning

Optimizes operational efficiency and reduces errors during initial deployment.



360° Cord Rotation

Innovative cord entry pivots to reduce strain and fit tight enclosures with ease.



Built-In Data Collection

Eliminates the need for external hardware, everything is integrated for simplicity and speed.



Advanced Connectivity

Engineered for secure, real-time access with dual 1Gb ports and lockable high-density outlets.



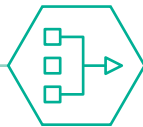
Aqua Visibility

New aqua-colored outlet banks stand out in dense server environments, enhancing traceability and reducing errors.



Security That Goes Beyond the Standard

- USGv6 Certified IPV6 Stack
- IEEE 802.1x MIL-Grade Authentication
- Code Signing & Secure Boot
- Repeat login block access + session timeouts
- Enforced password updates



Seamless Integration

- Role-based access control for centralized security
- Compatible with major platforms through Redfish API and SNMP
- Third-party DCIM ready

EL2P Series

Smarter, simpler way to manage rack-level power

The EL2P is purpose-built for modern challenges like AI workloads, edge sites, and high-density deployments. Finally, a rack PDU that works with you, not against you, delivering enhanced security, improved visibility, and faster installs that fit seamlessly into today's data center environments. This isn't just another PDU refresh—it's a whole new approach designed with installers, operators, and the future in mind. efficiency with a resilient architecture, future-proofing your operations for tomorrow's challenges.



E42D20L

Ordering Information

Part Number	PDU Form Factor	Plug Type	Input Amperage (A)	Phase	Apparent Power (kVA)	Output Receptacles
MONITORED INPUT (MI)						
E36D25L	OU FULL	NEMA L6-30P	30	Single-Phase	5	(18) C13/C15, (18) C13/C15/C19/C21
E36D28L		NEMA L21-30P		3-Phase	8.6	(18) C13/C15, (18) C13/C15/C19/C21
E42D20L		IEC 60309 3P+E 9h 60A (IP44)	60		17.3	(21)C13/C15, (21)C13/C15/C19/C21
E48D20L		IEC 60309 3P+N+E 6h 30A/32A (IP44)	32		17.3/22.0	(24)C13/C15, (24)C13/15/C19/C21
E48D31L		IEC 60309 3P+N+E 6h 60A/63A (IP44)	63		34.5/43.6	(21)C13/C15, (21)C13/C15/C19/C21
E48D23L	OU MID	IEC 60309 3P+N+E 6h 20A/16A (IP44)	20		11.0/11.5	(24)C13/C15, (24)C13/15/C19/C21
E42D07L	OU FULL+	NEMA L22-30P	30		17.3	(21) C13/C15, (21) C13/C15/C19/C21
E42D22L	OU FULL	CS8365	50		14.4	(21)C13/C15, (21)C13/C15/C19/C21
E48D21L		NEMA L21-30P	30	8.6	(24)C13/C15, (24)C13/15/C19/C21	
E48D22L		NEMA L15-30P			(24)C13/C15, (24)C13/15/C19/C21	
MONITORED & SWITCHED (MS)						
E48E22L	OU FULL	NEMA L15-30P	30	3-Phase	8.6	(24)C13/C15, (24)C13/15/C19/C21
E48E21L		NEMA L21-30P				(24)C13/C15, (24)C13/15/C19/C21
E42E24L		IEC 60309 3P+E 9h 60A (IP44)	60		17.3	(21)C13/C15, (21)C13/C15/C19/C21
E48E20L		IEC 60309 3P+N+E 6h 30A/32A (IP44)	32		17.3/22.0	(24)C13/C15, (24)C13/15/C19/C21
E48E23L	OU MID	IEC 60309 3P+N+E 6h 20A/16A (IP44)	20		11.0/11.5	(24)C13/C15, (24)C13/15/C19/C21
E48E25L	OU FULL - Wide	IEC 60309 3P+N+E 6h 60A/63A (IP44)	63		34.5/43.6	(24)C13/C15, (24)C13/15/C19/C21
E42E26L	OU FULL	CS8365	50			14.4

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Visit panduit.com/EL2P to learn more about the EL2P PDU offering

Ordering Information (continued)

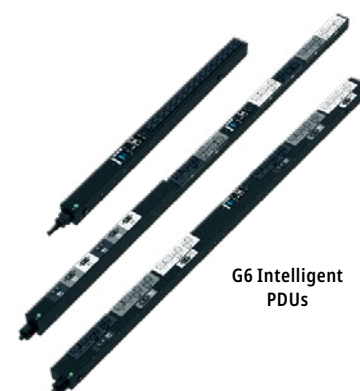
Part Number	PDU Form Factor	Plug Type	Input Amperage (A)	Phase	Apparent Power (kVA)	Output Receptacles
MONITORED & SWITCHED PER OUTLET (MSPO)						
E36G18L	OU FULL	NEMA L6-30P	30	Single-Phase	5	18 C13/C15, 18 C13/C15/C19/C21
E42G20L		IEC 60309 3P+E 9h 60A (IP44)	60	3-Phase	17.3	21 C13/C15, 21 C13/C15/C19/C21
E48G33L	OU MID	IEC 60309 3P+N+E 6h 20A/16A (IP44)	20		11.0/11.5	(24)C13/C15, (24)C13/15/C19/C21
E48G31L	OU FULL	NEMA L21-30P	30		8.6	(24)C13/C15, (24)C13/15/C19/C21
E36G33L		IEC 60309 3P+N+E 6h 30A/32A (IP44)	32		17.3/22.0	18 C13/C15, 18 C13/C15/C19/C21
E36G32L		IEC 60309 3P+N+E 6h 20A/16A (IP44)	20		11.0/11.5	18 C13/C15, 18 C13/C15/C19/C21
E36G20L		CS8365	50		10	18 C13/C15, 18 C13/C15/C19/C21
E42G22L		CS8365			14.4	(21)C13/C15, (21)C13/C15/C19/C21
E36G19L		NEMA L21-30P	30		8.6	18 C13/C15, 18 C13/C15/C19/C21
E48G30L		IEC 60309 3P+N+E 6h 30A/32A (IP44)	32		17.3/22.0	(24)C13/C15, (24)C13/15/C19/C21
E48G01L		IEC 60309 3P+N+E 6h 60A/63A (IP44)	63		34.5/43.6	C13/C15, 24 C13/C15/C19/C21
E36G30L		CS8365	50		14.4	18 C13/C15, 18 C13/C15/C19/C21
E48G04L	OU FULL - Wide +	NEMA L22-30P	30		17.3	24 C13/C15, 24 C13/C15/C19/C21
E48G32L	OU FULL	NEMA L15-30P		8.6	(24)C13/C15, (24)C13/15/C19/C21	

Visit panduit.com/el2p to learn more about the EL2P PDU offering



G5/G6 Intelligent Power Distribution Units

Take energy management to the next level with Panduit PDUs. Designed to protect both on-premises and remote environments, our PDUs not only optimize power consumption but also guarantee maximum uptime with pinpoint accuracy.



G6 Intelligent PDUs

Ordering Information

Part Number	PDU Form Factor	Plug Type	Input Amperage (A)	Phase	Apparent Power (kVA)	Output Receptacles
BASIC (NON-NETWORK)						
P12B19M	1U	NEMA 5-20P	20	Single-Phase	1.9	(12)5-20R
P12B01M		NEMA 5-15P	15		1.4	
P22B09M	0U HALF	NEMA L5-30P	30		2.9	(22)5-20R
P42B17M	0U MID	NEMA L6-30P			5	(36)C13, (6)C19
P16B07M	0U HALF	NEMA 5-20P	20		1.9	(16)5-20R
P16B08M		NEMA L5-20P				
P24B15M	0U MID	NEMA L6-30P	30		5	(20)C13, (4)C19
P12B47M	1U	NEMA L6-30P				(12)C13
P12B30M		NEMA L5-20P	20		1.9	(12)5-20R
P16B04M	0U HALF	NEMA 5-15P	15		1.4	(16)5-20R
P36B26M	0U MID	NEMA L21-30P	30	3-Phase	8.6	(30)C13, (6)C19
P24B14M	0U FULL	IEC 60309 3P+E 9h 60A (IP44)	60		17.3	(12)C13, (12)C19
MONITORED INPUT (MI)						
P24D23G	0U MID	NEMA L5-30P	30	Single-Phase	2.9	(24)5-20R
P16D21G	0U HALF	NEMA 5-20P	20		1.9	(16)5-20R
P24D07G	0U MID	NEMA L6-30P	30		5	(20)C13, (4)C19
P36D31G	0U FULL	IEC 60309 3P+E 9h 60A (IP44)	60	3-Phase	17.3	(24)C13, (12)C19
P36D26G		CS8265	50	Single-Phase	8.3	(30)C13, (6)C19
P24D01G	0U MID	NEMA L21-30P	30	3-Phase	8.6	(18)C13, (6)C19
P24D24G		NEMA L6-20P	20		3.3	(20)C13, (4)C19
P16D20G	0U HALF	NEMA 5-15P	15	Single-Phase	1.4	(16)5-20R
P16D22G		NEMA L5-20P	20		1.9	(16)5-20R
P24D34G	0U FULL	IEC 60309 3P+E 9h 60A (IP44)	60		17.3	(12)C13, (12)C19
P30D02G		NEMA L21-30P	30		8.6	(18)C13, (6)C19, (6)5-20R
P36D08G		NEMA L15-30P				(30)C13, (6)C19
P36D29G		CS8365	50		10	(30)C13, (6)C19
P36D30G					14.4	(24)C13, (12)C19
P24D27G	0U MID	NEMA L15-30P	30		8.6	(18)C13, (6)C19

Continued on next page

Ordering Information (continued)

Part Number	PDU Form Factor	Plug Type	Input Amperage (A)	Phase	Apparent Power (kVA)	Output Receptacles
MONITORED & SWITCHED (MS)						
P36E33G	OU FULL	NEMA L6-30P	30	Single-Phase	5	(30)C13, (6)C19
P36E35G		NEMA L21-30P		3-Phase	8.6	
P32E06G		IEC 60309 2P+E 6h 32A (IP44)	32	Single-Phase	5.8/7.4	(24)C13, (8)C19
P24E32G		IEC 60309 3P+E 9h 60A (IP44)	60	3-Phase	17.3	(12)C13, (12)C19
P36E12G		CS8365	50		10	(30)C13, (6)C19
P18E23G	OU MID	NEMA L5-30P	30	Single-Phase	2.9	(18)5-20R
P12E21G	OU HALF	NEMA 5-20P	20		1.9	(12)5-20R
P12E22G		NEMA L5-20P			1.9	(12)5-20R
P24E30G	OU FULL	NEMA L21-30P	30	3-Phase	8.6	(18)C13, (6)C19
P12E20G	OU HALF	NEMA 5-15P	15	Single-Phase	1.4	(12)5-20R
P16E24G		NEMA L6-20P	20		3.3	(12)C13, (4)C19
P24E28G	OU FULL	NEMA L6-30P	30		3-Phase	5
P24E29G		NEMA L15-30P		8.6		(18)C13, (6)C19
P36E34G						
MONITORED & SWITCHED PER OUTLET (MSPO)						
P24G03G	OU FULL	NEMA L21-30P	30	3-Phase	8.6	(18)C13, (6)C19
P24G01G		NEMA L6-30P		Single-Phase	5	(20)C13, (4)C19
P42G20G		IEC 60309 3P+E 9h 60A (IP44)	60	3-Phase	17.3	(21)C13/C15, (21)C13/C15/C19/C21
P42G21G		IEC 60309 3P+N+E 6h 60A/63A (IP44)	63		34.5/43.6	(21)C13/C15, (21)C13/C15/C19/C21
P24G02G		NEMA L15-30P	30		8.6	(18)C13, (6)C19
P24G05G		IEC 60309 3P+E 9h 60A (IP44)	60		17.3	(12)C13, (12)C19
MONITORED PER OUTLET (MPO)						
P24F01G	OU FULL	NEMA L6-30P	30	Single-Phase	5	(20)C13, (4)C19
P36F15G						(30)C13, (6)C19

Visit panduit.com/pdu to learn more about the EL2P PDU offering

Locking Power Cords



Part Number	Description	Color	Length (Ft.)
LPCA11-X	Dual Locking Power Cord, IEC C14 to IEC C13, 10 Pack	Black	2
LPCA12-X			4
LPCA13-X			6
LPCA14-X			8
LPCB11-X	Dual Locking Power Cord, IEC C20 to IEC C19, 10 Pack		2
LPCB12-X			4
LPCB13-X			6
LPCB14-X			8

Visit panduit.com for other colors and lengths

Dual-Locking Power Cords



Part Number	Overall Length (Ft.)	Color	Standards Met
LPCB14-X	8	Black	UL, CE & EAC
LPCB12-X	4		
LPCB13-X	6		
LPCB11-X	2		
LPCB09-X	8	Blue	
LPCB07-X	4		
LPCB06-X	2		
LPCB08-X	6		
LPCB03-X			
LPCB02-X	4	Red	
LPCB04-X	8		
LPCB01-X	2		

Visit panduit.com for other colors and lengths

Accessories



ACF05



ACF06



ACF10



ACF11



ACF20



EB001

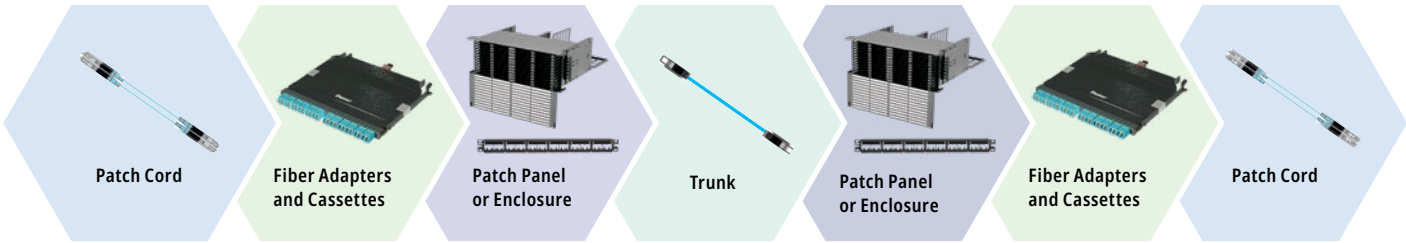
Part Number	Description
ACF05	Security Handle with dual frequency (125 kHz and 13.56 MHz) card reader and integral humidity sensor. All handles feature the base tumbler (TU020X) pre-installed at the factory
ACF06	Security Handle with dual frequency (125 kHz and 13.56 MHz) card reader, integral humidity sensor, and keypad for dual authentication. All handles feature the base tumbler (TU020X) pre-installed at the factory.
ACF10	Security Handle Temperature and Door Sensor. Connects only to ACF05 and ACF06
ACF11	Security Handle (3) Temperature and Door Sensor. Connects only to ACF05 and ACF06
ACF20	Security Handle to Panduit iPDU harness (JST to RJ45 male)
MA030	Security Handle Patch Cord Extension (RJ45 female to RJ45 male)
MA031	iPDU Power Share Patch Cord (RJ45 male to RJ45 male)
EC001	Three Temperature and One Humidity Sensor for cold aisle applications, for use with PDU controller only
EA001	Temperature Sensor for hot aisle applications, for use with PDU controller only
EB001	Temperature and Humidity Sensor seamlessly connects with the Panduit iPDU or UPS to provide temperature and humidity monitoring in a rack

Discover more about
our Environmental
Sensors and Security
Solutions

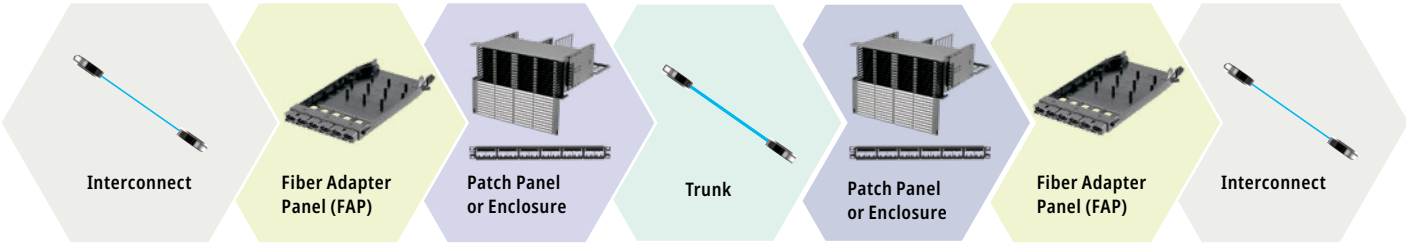
Fiber Connectivity

- 1. Chose your connectivity application solution (A or B below)
- 2. Build your chosen solution from components on the following pages

A. Duplex Example (10G, 25G, 100G Ethernet or 16G, 32G, 64G Fibre Channel)



B. Parallel Example (40G, 100G, 400G Ethernet)



Mini-Com®

Mini-Com Duplex LC Adapter Modules



Part Number	Adapter Type	Adapter Color	Module Color
CMDSAQLCZBL	Multimode Duplex LC	Aqua	Black
CMDSL CZBU	Singlemode Duplex LC	Blue	Blue

Use with Minicom Patch Panels: CPPL24WBLY, CPPL48WBLY shown on page 37

Opticom® Fiber Cabling System

Opticom Rack Mount Cassette Enclosures



Part Number	No. RU
FCE1U	1
FCE2U	2
FCE4U	4

Opticom Fiber Adapter Panels



Part Number	Fiber Type	Number of Ports
FAP6WAQDLCZ	OM4	6
FAP6WBUDLCZ	OS2	
FAP12WAQDLCZ	OM4	12
FAP12WBUDLCZ	OS2	

Opticom MPO Cassettes



Part Number	Fiber Type	Number of Fibers
FC29N-24-10U	OS2	24
FC2ZO-24-10U	OM4	
FC29N-24-10AS	OS2	
FC2ZO-24-10AS	OM4	
FC29N-12-10U	OS2	12
FC29N-12-10AS		
FC2ZO-12-10AS		
FC2ZO-12-10U		

SFQ QuickNet™ Fiber Cabling System

SFQ QuickNet MPO Adapter Panels



FQMAP65BL

Part Number	Number of Adapters	Polarity	Color
FQMAP66CG	6	Method B, Key-Up/Key-Up	Charcoal Gray
FQMAP65BL		Method A, Key-Up/Key-Down	Black
FQMAP85BL	8		

QuickNet™ Patch Panel Accessories



QPPBBL



FQCBRUA

Part Number	Description	No. Ports	No. RU
FQCBRUA	QuickNet Zero RU Bracket accepts up to two fiber QuickNet SFQ Cassettes or up to two QuickNet Pre-Terminated Copper Cassettes without occupying RU space. Mounts to any EIA-310-D compliant rack rail	12	–
QPPBBL	QuickNet Patch Panel Blank promotes proper airflow and cooling throughout data centers	–	

QuickNet™ Patch Panels



QPP48HDBL

Part Number	Description	No. Ports	No. RU
QPP24BL	The QuickNet Patch Panel accepts QuickNet Pre-Terminated Cassettes and Patch Panel Adapters and mount to standard EIA 19" racks or 23" racks with optional extender brackets	24	1
QPP48HDBL		48	
QPP32BL		32	
QPP64HDBL		64	

SFQ QuickNet Universal Cassettes, 12 Fibers, 6 LC Adapters



FQZO-12-10U

Part Number	Fiber Type	Performance
FQZO-12-10U	OM4	Optimized
FQ9N-12-10U	OS2	Standard

HD Flex Fiber Cabling System

The HD Flex Fiber Cabling System is engineered to provide the highest levels of density and serviceability for high-performance data centers. The system is designed to enable organizations to easily scale up density and execute moves, adds, and changes quickly and safely, without disrupting adjacent circuits.

Technicians can take advantage of the unique benefits provided by the HD Flex Cabling System

- Innovative cable management that positions trunk cables away from the rear of the enclosure, providing enhanced access for moves, adds, and changes
- Split trays inside the enclosure support safe moves, adds, and changes
- Cassettes accessible from the front or back to streamline installation and migrations from
- 10G to 40G/100G Ethernet and beyond
- Convertible enclosures and panels that accommodate 4-port, 6-port, and/or 12-port cassettes

HD Flex High-Density Enclosures



FLEX1U06

Part Number	Cassettes/FAP Capacity	Cassette Type	Rack Units (RU)	Max Fiber Capacity
FLEX1U06*	12	6-port	1	144
FLEX2U06*	24		2	288
FLEX4U06*	48		4	576

*Change 06 with 04 to use 4-port cassettes or to 12 to use 12-port cassettes

HD Flex High-Density Accessories



FLEX-PLATE1U



FLEX-CM12S

Part Number	Description
FLEX-PLATE1U	HD Flex Enclosure Trunk Slack Plate – 1 RU
FLEX-PLATE4U	HD Flex Enclosure Trunk Slack Plate – 4 RU
FLEX-CM12S	HD Flex Universal Rear Cable Manager, 12-position transition managers with a screw mount bracket
FLEX-CM18S	HD Flex Universal Rear Cable Manager, 18-position transition managers with a screw mount bracket



For a full listing of HD Flex enclosures, panels, cassettes, and accessories, view the [HD Flex Fiber Cabling System Order Guide](#)



Adapters and Cassettes



FHC3ZO-08-10BN



FHC3ZO-24H-10B



FHC39N-08H-10A



FH4ZU-24-NMNMA



FHMZO-32-M

Part Number	Type	Connectors	Fiber Type	Performance, Polarity
HD FLEX 4-TO-1 BREAKOUT CASSETTES				
FHC39N-08H-10A	4-port cassette	1 MPO to 4 duplex LC	OS2	Standard IL, Method A
FHC3ZO-08H-10B			OM4	Optimized IL, Method B
FHC39N-08-10AN	6-port cassette		OS2	Standard IL, Method A
FHC3ZO-08-10BN			OM4	Optimized IL, Method B
FHC39N-24H-10A	12-port cassette	3 MPO to 12 Duplex LC	OS2	Standard IL, Method A
FHC3ZO-24H-10B			OM4	Optimized IL, Method B
HD FLEX 12-TO-8 FIBER CONVERSION CASSETTES				
FH4ZU-24-NMNMA	24 fiber, 6-port cassette	3x MPO8 to 2x MPO12	OM4	Ultra Low Loss IL, Method A
FH4ZU-24-NMNMB				Ultra Low Loss IL, Method B
FH4ZU-48-NMNMA	48 fiber, 6-port cassette	6x MPO8 to 4x MPO12		Ultra Low Loss IL, Method A
FH4ZU-48-NMNMB				Ultra Low Loss IL, Method B

The HD Flex Fiber Cabling System is designed to fit up to 144 fibers into a single RU

HD Fusion Fiber Wall Mount Splice Enclosures

The HD Fusion Fiber Wall Mount Splice Enclosure houses, organizes, manages and protects cable to cable fusion splice connections. It accommodates large count fiber optic cables typically coming in from outside of the building transitioning to smaller count cables within the data center. This enclosure features splice trays that can accommodate individual or ribbon fiber and comes in three different sizes to splice 864 to 13,824 fibers. Additional features of the product include:

- Splice trays have the ability to rotate to be easily viewed, even when fully populated
- Optional storage box can be mounted to the top of bottom of enclosure to store unused fiber for future use
- Multiple enclosures can be joined together horizontally or vertically as needed
- Work surface easily stores on the enclosure door when not in use

Part Number	Number of Ribbon Fibers
FWMHSSG-864	864 / 1728
FWMHSSGS-3456	3456 / 6912
FWMHSSGS-6912	6912 / 13824

Fiber Trays

Part Number	Description
FST-144R	Splicing tray for ribbon fibers up to 144
FST-288R	Splicing tray for ribbon fibers up to 288



FWMHSSGS-3456

Uniboot Patch Cords

Part Number	Fiber Type	Fiber Count	Cable Type (mm)	Jacket Type	Connectors	Polarity	Length (m)
FZ2RPU1U10NM001	OM4	2	2	Riser (OFNR)	LC Duplex to LC Duplex	Standard IL	1
FZ2RPU1U10NM002							2
FZ2RPU1U10NM003							3
FZ2RPU1U10NM005							5
F92RPU1U10NM001	OM2						1
F92RPU1U10NM002							2
F92RPU1U10NM003							3
F92RPU1U10NM005							5



FZ2RPU1U10NM001



F92RPU1U10NM001

To configure your own fiber patch cords, visit panduit.com/configure-fiber-patch-cord
 Pre-labeled fiber patch cords all come standard with RapidID labels for easy installation and identification
 To learn more about our *RapidID* offering, please visit page 36

Fiber Interconnects

Part Number	Fiber Type	Fiber Count	Jacket Type	Connectors	Polarity	Length (ft.)
FRZTP77Y001F001*	OM4	12	Plenum (OPNP)	PanMPO Female to PanMPO Female	Method B Standard IL	1
FRZTP77Y001F002*						2
FRZTP77Y001F003*						3
FRZTP77Y001F005*						5
FR9TP77B001F001*	OS2					1
FR9TP77B001F002*						2
FR9TP77B001F003*						3
FR9TP77B001F005*						5



FRZTP77Y001F001

For additional fiber application solutions and components, reference the Data Center Connectivity Guide
 *The last 3 digits indicate length. Fiber interconnects are available in lengths 001 to 300 feet
 Pre-labeled fiber interconnects all come standard with *RapidID* labels for easy installation and identification
 To learn more about our *RapidID* offering, please visit page 36

Fiber Trunk Assemblies

Part Number	Fiber Type	Fiber Count	Jacket Type	Connectors	Polarity	Length (ft.)
FYZTP77B005F100*	OM4	12	Plenum (OPNP)	PanMPO Female to PanMPO Female with 1m breakouts, pulling eye end A	Method B, Optimized IL	100
FYZUP77B005F100*		24				
FY9TP77B005F100*	OS2	12				
FY9UP77B005F100*		24				



FYZUP77B005F100

*The last 3 digits indicate length. Fiber trunks are available in lengths 015 to 999 feet. Also available in 48, 72, 96, 144, 288, 432, 576 and 864 fiber counts. To configure your own fiber trunk assemblies, visit panduit.com/configure-fiber-trunk

Copper Connectivity

Copper Bulk Cable



PUR6C04BU-U

Part Number	Description	FlammabilityRating	Color
PUP6C04BU-ULP	Copper cable, Category 6, 4 pair, 23 AWG, U/UTP, 1000 ft./305m	Plenum (CMP)	Blue
PUR6C04BU-U		Riser (CMR)	White

Mini-Com® Category 6 UTP Jack Modules



CJ688TGBU

1/Package	24/Package	100/Package	Color
CJ688TGBU	CJ688TGBU-24	CJ688TGBU-C	Blue
CJ688TGBL	CJ688TGBL-24	CJ688TGBL-C	Black
CJ688TGW H	CJ688TGW H-24	CJ688TGW H-C	White

Category 6 28 AWG Small Diameter UTP Copper Patch Cords



UTP28SP8INBU

8 inch	1 foot	3 feet	7 feet	Color
UTP28SP8IN	UTP28SP1	UTP28SP3	UTP28SP7	White
UTP28SP8INBU	UTP28SP1BU	UTP28SP3BU	UTP28SP7BU	Blue

For lengths 1 to 20 feet (increments of one foot) and 25, 30, 35, 40 feet, change the length designation in the part number to the desired length. Pre-labeled copper patch cords all come standard with *RapidID* labels for easy installation and identification. To learn more about our *RapidID* offering, please visit page 39.

Discover more about our Category 6A Copper Cable Solutions



Patch Panels



CPPL24WBLY

Part Number	Description	No. Ports	No. RU
MINI-COM® MODULAR PATCH PANELS			
CPPL24WBLY	The Mini-Com Faceplate Modular Patch Panel accepts individual Mini-Com Modules, offers front access, and includes label pockets for easy identification	24	1
CPPL48WBLY			2
CPP48HDEWBL	The Mini-Com High-Density Modular Patch Panel accepts individual Mini-Com Modules, is flush mount and can be identified with adhesive labels	48	1

Cable Management Accessories



Part Number	Description	Rack Units
SRBS19BL-XY	Strain relief bar, straight; to support and manage cable	Black
SRB19BLY	The strain relief bar is a metal bar that extends 2.8 inches from the rear of a rack and provides support to cables exiting the back of a patch panel. Optional quick release brackets enable strain relief bars to be removed and re-installed without the use of tools.	
SRB19D5BL	The strain relief bar is a metal bar that extends 4.5 inches from the rear of a rack and provides support to cables exiting the back of a patch panel. Inward mounting tabs provides a wider opening. Optional quick release brackets enable strain relief bars to be removed and re-installed without the use of tools.	
SRB19D7BL	The strain relief bar is a metal bar that extends 7.6 inches from the rear of a rack. An added cross bar provides support to heavier cables exiting the back of a patch panel. Inward mounting tabs provide a wider opening. Optional quick release brackets enable strain relief bars to be removed and re-installed without the use of tools.	
SRBWLY	Strain relief bar with integrated adjustable clips; to support and manage up to 24 cables	

Labeling and Identification

Panduit has a full line of labeling products, software, and printers to assist you with your labeling requirements. We also offer signs and permanent identification solutions to deliver improved productivity and workplace safety.

PXE™ Mobile Printer

Part Number	Description
MP300 North America Power Cord*	The Panduit MP300 mobile label printer is the ideal solution for labeling in the field. Our printer offers a wide variety of die-cut and continuous label sizes up to 1.5" wide and an automatic cutter with capabilities for full and half cuts. With 360 dpi resolution and fast printing speed, the MP300 increases labeling productivity. Printer comes with one label cassette, hard carrying case, rechargeable battery pack, magnetic attachments, USB cable, and power adapter. Available only in North America.

*For use outside of North America, please use the following part #: MP300/E EuroPlug & UK Power Cords



MP300



PXE™ Cassette Labels

Part Number	Description
S100X150VAM	Vinyl self-laminating label cassettes, can easily be installed on existing terminated wires and assemblies and does not require disconnecting wires or cables. Adhesive labels for wire/cable identification with white print-on area and clear overlamine. Label is 1.0" x 1.5", with 1.0" x 0.5" print-on area. Designed for cat. 5/5e/6 cable. 175 labels per cassette.
R100X150V1M	Turn-Tell label cassettes, have an innovative design that allows label rotation to any angle for improved visibility, aesthetics, and easy repositioning. Label is 1.0" x 1.5" with 1.0" x 0.5" white print-on area and clear overlamine. It can easily be installed on existing terminated wires and assemblies and does not require disconnecting wires or cables. For use with Panduit MP series printers. 100 labels per cassette.



S100X150VAM



R100X150V1M

Tak-Tape™ Hook and Loop Roll



Part Number	Description
TTR-35RX0	Tak-Tape Hook and Loop Cable Roll is 35' L x 0.75" W (6.1m x 19.1mm). The cable roll comes in packages of 10

Cage Fit Out Accessories

Open-Access™ Cable Management System

The Open-Access Cable Manager provides open and efficient access to power, coaxial, and communications cables. Made of a steel frame with modular plastic snap-in D-rings, the cable manager is lightweight and durable, but flexible enough to endure seamless moves, adds, and changes. It is compatible with any standard EIA 19 inch (483mm) rack or cabinet. Color: Black.



CMPH1



CMPH2



CMPHF1



CMPHF2

Part Number	RU	Height In. (mm)	Width In. (mm)	Depth In. (mm)
CMPH1	1	1.7 (43)	19 (482)	8.6 (218)
CMPH2	2	3.5 (88)		
CMPHF1	1	1.7 (43)		3.4 (87)
CMPHF2	2	3.5 (88)		

Open-Access Vertical D-Rings, Black

- The Open-Access Vertical D-Ring is used on standard communication racks
- The flexible arm provides open access that allows installation of complete cable bundles



CMVDR1



CMVDR2

Part Number	Height In. (mm)	Width In. (mm)	Depth In. (mm)
CMVDR1	2.38 (60.5)	2.05 (52.1)	5.72 (145.2)
CMVDR2		3.30 (83.8)	

RAPIDID™ Network Mapping System

Cable Documentation. Automated.

Keeping track of patch cord connections can be time-consuming and labor intensive. Labeling, tracing, and troubleshooting are tedious, repetitive, and notoriously prone to human error. All this leads to wasted time, effort, and money.

The available solutions to address these issues are neither practical nor cost-efficient, until now.

RapidID is a software-enabled network mapping system from Panduit, the leading provider of network infrastructure for smart, scalable, and efficient connectivity solutions.

For network engineers and data center managers, *RapidID* is a practical, affordable alternative to traditional manual approaches. It does not require special panels or cabling, and is ideal for building a new telecom room, locating installed cabling, or replacing a network switch.



Part Number	Description
RPDSCN	<i>RapidID</i> handheld barcode scanner with isolation shield

The *RapidID* solution includes:

- Pre-labeled copper and fiber patch cords for easy installation and identification
- Feature-rich mobile app
- Bluetooth-enabled handheld barcode scanner

Key Features	Benefits
Patch cords are pre-labeled	Automates labor-intensive and error-prone cable documentation process that can lead to an outage
Easy-to-use scanner	• Saves time on tracing, labeling, and documenting • Free-up network engineers to focus on more rewarding and strategic initiatives
Feature-rich mobile app	• Reduce time and cost of patch cord documentation by up to 50%* • Control cost and risk associated with cable installation and management

*Panduit internal time study, May 2021

RapidID...Easy as 1, 2, 3

1 INSTALL

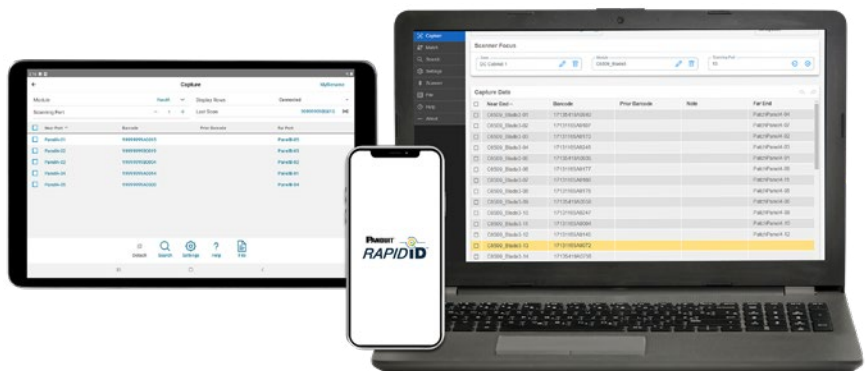
Install Panduit Copper & Fiber Patch cables pre-labeled with unique *RapidID* barcode labels

2 DOWNLOAD

Download the *RapidID* application to your device (Mobile, Tablet, or Windows OS)

3 SCAN

Barcodes using the Bluetooth-enabled handheld scanner.

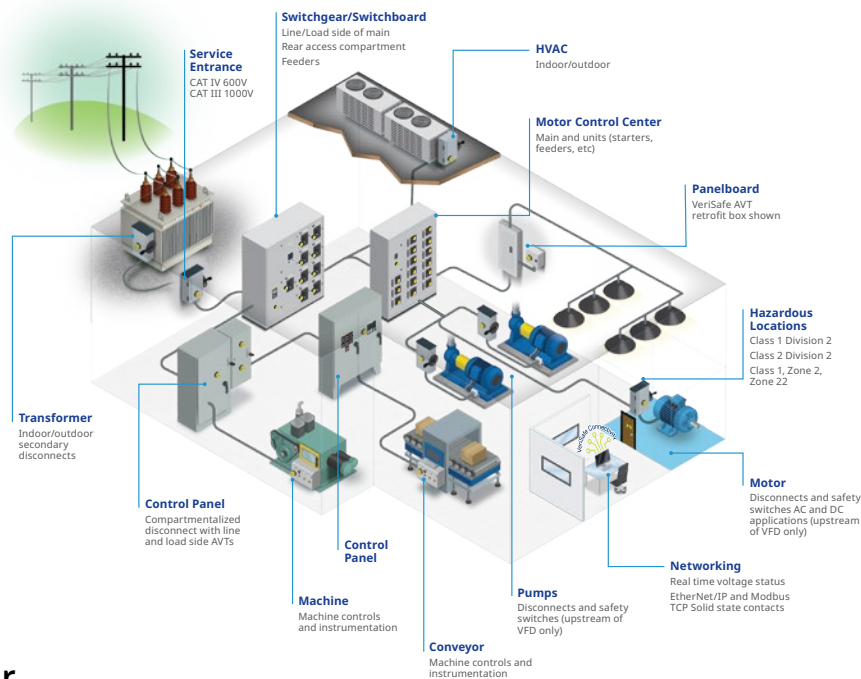


For more information, visit
panduit.com/rapid-id

Gray Space Solutions

Outside the Cage

To support data centers, the gray space consists of many products that support back-end function allowing the white space to continue to function smoothly and safely. Absence of Voltage Testers, cable cleats, switch gear, and various other products build an infrastructure that increases safety, reduces risk to workers, and saves unnecessary downtime by using innovative electrical solutions within data center gray space.



VeriSafe™ Absence of Voltage Tester

The VeriSafe Absence of Voltage Tester minimizes risk by verifying the absence of voltage before equipment is accessed, making it easier for workers to verify an electrically safe work condition has been established in a fraction of the time compared to using hand-held portable test instruments.

Part Number	Power Specifications	System Cable Length (Ft.)	Sensor Lead Length (Ft.)
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VERISAFE™ 600V ABSENCE OF VOLTAGE TESTERS

VS-AVT-C02-L03	Three-phase AC systems up to 600 V	2	3
VS-AVT-C08-L10		8	10

VERISAFE™ 1KV ABSENCE OF VOLTAGE TESTERS

VS2-AVT-1PB-08	Single-phase AC or DC systems up to 1,000	8	10
VS2-AVT-1PF-08			
VS2-AVT-3PB-08	Three-phase AC or DC systems up to 1,000 V		
VS2-AVT-3PF-08			



VS-AVT-C08-L10



VS2-AVT-3PF-08

VS2-AVT-1PB-08

Part Number	Conductor Gauge AWG	No. of Connectors	No. of AVTs Kit can be Installed With
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SENSOR LEAD CONNECTION KITS

VS-CKP14-6	14 to 6	3	1
VS-CKP4-000	4 to 3/0		
VS-CKP1K4/0-500*	4/0 to 500MCM		

*Rated for 1KV installations



VS-CKP4-000



VS-CKP14-6



VS-ACK-BATTERY

Part Number	Description
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ACCESSORIES

VS-ACK-BATTERY	Battery pack for use with VeriSafe Access Control Kit (VS-ACK-CPWR)
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For more information, visit: panduit.com/verisafe

Cable Cleats

To protect electrical infrastructure when using power cables in a tray, installing an IEC 61914:2015-compliant cable cleat is the best option when facing a peak short circuit fault. Panduit cable cleat solutions were designed to withstand the stress of a short circuit event using a state-of-the-art ANSYS simulation software to model the dynamic forces at play.



Locking Strap Cable Cleats

Part Number	Trefoil Double Loop Cable Diameter Range		Trefoil Double Loop Cable Diameter Range		Width In. (mm)	Thickness In. (mm)	Length In. (mm)
	From	To	From	To			
	In. (mm)	In. (mm)	In. (mm)	In. (mm)			
MLT4DH-L	0.472 (12)	1.654 (42)	0.472 (12)	3.740 (95)	0.31 (7.9)	0.015 (0.38)	28.0 (711)
MLT4DEH15-Q316					0.50 (12.7)		
MLT4DSH-Q316					0.63 (15.9)		
MLT4DSH-Q							
MLT6DEH15-Q316	1.654 (42)	2.835 (72)	3.740 (95)	5.906 (150)	0.50 (12.7)		41.5 (1054)
MLT6DSH-Q316					0.62 (15.9)		
MLT6DSH-Q							
MLT8DEH15-Q316	2.835 (72)	3.937 (100)	5.906 (150)	7.677 (195)	0.50 (12.7)		53.5 (1359)
MLT8DSH-Q316					0.63 (15.9)		
MLT8DSH-Q							

Buckle Strap Cable Cleats

Part Number	Trefoil Double Loop Cable Diameter Range		Trefoil Triple Loop Cable Diameter Range		Flat Multicore Double Loop Cable Diameter Range		Width In. (mm)	Thickness In. (mm)	Length In. (mm)
	From	To	From	To	From	To			
	In. (mm)	In. (mm)	In. (mm)	In. (mm)	In. (mm)	In. (mm)			
MS4W75T30-Q6	0.472 (12)	0.787 (20)	–	–	0.472 (12)	1.772 (45)	0.75 (19.1)	0.03 (0.76)	19.6 (498)
MS6W75T30-Q6	0.787 (20)	1.181 (30)	0.472 (12)	0.787 (20)	1.772 (45)	2.756 (70)			25.9 (658)
MS8W75T30-Q6	1.181 (30)	1.654 (42)	0.787 (20)	1.024 (26)	2.756 (70)	3.740 (95)			32.1 (815)
MS10W75T30-Q6	1.654 (42)	2.283 (58)	1.024 (26)	1.378 (35)	3.740 (95)	4.724 (120)			38.4 (975)
MS12W75T30-Q6	2.283 (58)	2.835 (72)	1.378 (35)	1.732 (44)	4.724 (120)	5.906 (150)			44.7 (1135)
MS14W75T30-Q6	2.835 (72)	3.386 (86)	1.732 (44)	2.087 (53)	5.906 (150)	6.693 (170)			50.1 (1273)

Cushion Sleeves

Part Number	Material	Length Ft. (m)	Width In. (mm)	Thickness In. (mm)
PCSLSH-B-CR	TPE Low Smoke, Halogen-Free	100 (30.5)	1.05 (26.8)	0.08 (2.2)
PCSSH-B-CR	MIL-R-6855 Spec Neoprene		0.97 (23.1)	0.12 (3.1)

UC Series Mounting Brackets

Part Number	Description
UCSQ1-V316	Strut Type, 316L stainless steel
UCIB1-V316	I-Beam, 316L stainless steel

Aluminum Trefoil Cable Cleats



CCALTR2932-X

Part Number	Cable Diameter Range In. (mm)	Height In. (mm)	Width In. (mm)	Depth In. (mm)	Weight Lbs. (g)	Mounting Holes
CCALTR2326-X	0.91 - 1.02 (23 - 26)	3.94 (100)	3.98 (101)	2.17 (55)	0.81 (370)	1 x M8
CCALTR2528-X	0.98 - 1.10 (25 - 28)	4.06 (103)	4.13 (105)		0.85 (385)	
CCALTR2730-X	1.06 - 1.18 (27 - 30)	4.21 (107)	3.85 (98)		0.85 (388)	
CCALTR2932-X	1.14 - 1.26 (29 - 32)	4.33 (110)			0.87 (397)	
CCALTR3135-X	1.22 - 1.38 (31 - 35)	1.57 (116)	3.97 (101)		0.92 (418)	
CCALTR3438-X	1.34 - 1.50 (34 - 38)	4.76 (121)	4.18 (106)		0.93 (424)	
CCALTR3741-X	1.46 - 1.61 (37 - 41)	4.99 (127)	4.41 (112)		0.98 (448)	
CCALTR4044-X	1.57 - 1.73 (40 - 44)	5.24 (133)	4.64 (118)		1.05 (477)	
CCALTR4347-X	1.69 - 1.85 (43 - 47)	5.52 (140)	4.85 (123)		1.14 (516)	
CCALTR4651-X	1.81 - 2.01 (46 - 51)	5.83 (148)	5.05 (128)		1.23 (558)	
CCALTR5056-X	1.97 - 2.20 (50 - 56)	6.22 (158)	5.50 (140)		1.32 (602)	
CCALTR5561-X	2.17 - 2.40 (55 - 61)	6.57 (167)	5.72 (145)		1.42 (647)	
CCALTR6067-X	2.36 - 2.64 (60 - 67)	7.01 (178)	6.15 (156)		1.55 (706)	
CCALTR6675-X	2.60 - 2.95 (66 - 75)	7.6 (193)	6.72 (171)		1.73 (787)	

Continued on next page

Aluminum Trefoil Cable Cleats, continued

Part Number	Cable Diameter Range In. (mm)	Height In. (mm)	Width In. (mm)	Depth In. (mm)	Weight Lbs. (g)	Mounting Holes
CCSSTR2025-X	0.79 - 0.98 (20 - 25)	3.43 (87)	3.39 (86)	2.48 (63)	0.92 (417)	1 x M8
CCSSTR2328-X	0.91 - 1.10 (23 - 28)	3.58 (91)	3.54 (90)		0.97 (439)	
CCSSTR2632-X	1.02 - 1.26 (26 - 32)	3.74 (95)	3.82 (97)		1.06 (480)	
CCSSTR3036-X	1.18 - 1.42 (30 - 36)	3.94 (100)	4.13 (105)		1.14 (518)	
CCSSTR3440-X	1.34 - 1.58 (34 - 40)	4.25 (108)	4.37 (111)		1.21 (547)	
CCSSTR3844-X	1.50 - 1.73 (38 - 44)	4.25 (108)	4.69 (119)		1.28 (581)	
CCSSTR4248-X	1.65 - 1.89 (42 - 48)	4.41 (112)	4.96 (126)		1.35 (613)	
CCSSTR4652-X	1.81 - 2.05 (46 - 52)	4.61 (117)	5.24 (133)		1.43 (647)	
CCSSTR5057-X	1.97 - 2.24 (50 - 57)	4.84 (123)	5.63 (143)		1.51 (686)	
CCSSTR5461-X	2.13 - 2.40 (54 - 61)	5.12 (130)	5.91 (150)		1.59 (720)	
CCSSTR5865-X	2.28 - 2.56 (58 - 65)	5.43 (138)	6.18 (157)		1.66 (754)	
CCSSTR6269-X	2.44 - 2.72 (62 - 69)	5.71 (145)	6.50 (165)		1.72 (782)	

Part Number	Cable Diameter Range In. (mm)	H In. (mm)	W In. (mm)	D In. (mm)	S In. (mm)	Weight Lbs. (g)	Mounting Holes
CCPLTR2228-X	0.87 - 1.10 (22 - 28)	3.46 (88)	5.20 (132)	3.07 (78)	3.62 (92)	1.29	1 X M10, 2 X M10
CCPLTR2633-X	1.02 - 1.30 (26 - 33)	3.86 (98)	5.59 (142)		4.02 (102)	1.39 (630)	
CCPLTR3139-X	1.22 - 1.54 (31 - 39)	4.13 (105)	6.06 (154)		4.49 (114)	1.51 (685)	
CCPLTR3745-X	1.46 - 1.77 (37 - 45)	4.61 (117)	6.54 (166)		4.96 (126)	1.64 (745)	
CCPLTR4352-X	1.69 - 2.05 (43 - 52)	5.04 (128)	7.09 (180)		5.51 (140)	1.80 (815)	
CCPLTR5060-X	1.97 - 2.36 (50 - 60)	5.55 (141)	7.76 (197)		6.14 (156)	1.97 (895)	



Aluminum Two-Hole Cable Cleats



CCAL2H7083-X

Part Number	Cable Diameter Range In. (mm)	Height In. (mm)	Width In. (mm)	Depth In. (mm)	F In. (mm)	Weight Lbs. (g)	Mounting Holes
CCAL2H3846-X	1.50 - 1.81 (38 - 46)	2.01 (51)	3.98 (101)	1.64 (42)	2.91 (74)	0.50 (226)	2 x M10
CCAL2H4658-X	1.81 - 2.28 (46 - 58)	2.36 (60)	4.52 (115)	1.69 (43)	3.39 (86)	0.64 (291)	
CCAL2H5870-X	2.28 - 2.76 (58 - 70)	2.87 (73)	5.20 (132)	1.77 (45)	3.97 (101)	0.89 (404)	
CCAL2H7083-X	2.76 - 3.27 (70 - 83)	3.39 (86)	5.71 (145)	1.81 (46)	4.48 (114)	1.09 (496)	
CCAL2H8397-X	3.27 - 3.82 (83 - 97)	3.94 (100)	6.37 (162)	1.85 (47)	5.07 (129)	1.39 (630)	
CCAL2H97109-X	3.82 - 4.29 (97 - 109)	4.53 (115)	3.89 (175)	1.93 (49)	5.55 (141)	1.66 (754)	
CCAL2H109120-X	4.29 - 4.72 (109 - 120)	5.04 (128)	7.33 (186)	1.98 (50)	5.99 (152)	1.92 (873)	

Aluminum One-Hole Cable Cleats



CCAL1H1013-X

Part Number	Cable Diameter Range In. (mm)	Height In. (mm)	Width In. (mm)	Depth In. (mm)	E In. (mm)	S In. (mm)	Weight Lbs. (g)	Mounting Holes
CCAL1H1013-X	0.39 - 0.51 (10 - 13)	0.91 (23)	1.57 (40)	1.61 (41)	0.48 (12)	0.79 (20)	0.11 (50)	1 x M10
CCAL1H1316-X	0.51 - 0.63 (13 - 16)	1.02 (26)	1.72 (44)			0.83 (21)	0.13 (59)	
CCAL1H1619-X	0.63 - 0.75 (16 - 19)	1.14 (29)	1.88 (48)		0.51 (13)	0.91 (23)	0.15 (68)	
CCAL1H1923-X	0.75 - 0.91 (19 - 23)	1.26 (32)	2.04 (52)			0.99 (25)	0.17 (77)	
CCAL1H2327-X	0.91 - 1.06 (23 - 27)	1.42 (36)	2.28 (58)			1.07 (27)	0.20 (89)	
CCAL1H2732-X	1.06 - 1.26 (27 - 32)	1.57 (40)	2.44 (62)	1.65 (42)	0.55 (14)	1.19 (30)	0.24 (107)	
CCAL1H3238-X	1.26 - 1.50 (32 - 38)	1.77 (45)	2.68 (68)			1.30 (33)	0.27 (125)	
CCAL1H3846-X	1.50 - 1.81 (38 - 46)	2.01 (51)	2.98 (76)			1.45 (37)	0.33 (149)	
CCAL1H4651-X	1.81 - 2.01 (46 - 51)	2.36 (60)	3.26 (83)			1.58 (40)	0.40 (181)	
CCAL1H5157-X	2.01 - 2.24 (51 - 57)	2.56 (65)	3.49 (89)	1.66 (42)		1.70 (43)	0.44 (202)	

Visit panduit.com/cable-cleats for the complete cable cleat offering and access the Cleat kAlculator™ to determine which cable cleat is appropriate for your application

For more information, visit
panduit.com/cable-cleats

Grounding and Bonding Solutions

Grounding and Bonding Equipment Bonding Jumper Kit



Part Number	MCBN Conductor Size AWG	Description
RGCBNJ660P22	HTCT2-2.1	#6 AWG (16mm ²) jumper; 60" (1.52m) length; 45° bent lug on grounding strip side; provided with .16 oz. (5cc) of antioxidant, two each #12-24 x 1/2", M6 x 12mm, #10-32 x 1/2" and M5 x 12mm thread-forming screws and a copper compression HTAP* for connecting to the MCBN.

Grounding Busbars



Part Number	Bar Size in.	1/4" Stud Hole with 5/8" Hole Spacing	3/8" Stud Hole with 1" Hole Spacing
TELECOMMUNICATIONS MAIN GROUNDING BUSBARS (TMGB)			
GB4B0612TPI-1	0.25 x 4 x 12	12	6
TELECOMMUNICATIONS GROUNDING BUSBARS (TGB)			
GB2B0304TPI-1	0.25 x 2 x 10	4	3
GB2B0306TPI-1	0.25 x 2 x 12	6	
Part Number	Bar Size in.	1/4" Stud Hole with 1 3/4" Hole Spacing	
NEMA HOLE PATTERN GROUNDING BUSBARS			
GB4B0612TPI-1	0.25 x 4 x 24	16	

Grounding Busbar Kits for Universal Threaded Rail Fasteners



Part Number	Description
RGRB19U	Grounding busbar; 19" (483mm) length; tin-plated; 20 holes arranged for flexibility in mounting with 20 #12-24 x 1/2" hex head screws installed; mounting hole sets have 5/8" (15.9mm) spacing; provided with two each #12-24 x 1/2", M6 x 12mm thread-forming screws, and two #12 flat washers for mounting.

Grounding Busbar Kit for Threaded Rail Fasteners

Part Number	Description
RGRB19Y	Grounding busbar; 19" (483mm) length; tin-plated copper; fourteen holes arranged for flexibility in mounting; provided with two each #12-24 x 0.5" and M6 x 12mm thread-forming screws



Grounding Strip Kit

Part Number	Description	Length in. (m)	Width In. (mm)	Thickness In. (mm)
RGS134B48-1	Grounding strip; 48 RU. Provided with 0.16 oz. (5cc) of antioxidant, one grounding sticker, three cage nut bonding studs, eight #12-24 bonding nuts and three strip clips	83.9 (2.1)	0.67 (17)	0.03 (0.76)
RGS13451-1	Grounding strip; 51 RU. Provided with 0.16 oz. (5cc) of antioxidant, one grounding sticker and three each #12-24 x 1/2" and M6 x 12mm thread-forming screws	89.15 (2.3)	0.67 (17)	0.05 (1.27)
RGS134-1Y	Grounding Strip bonds up to 45RU's within a rack or cabinet with threaded rail fasteners with an EIA Universal Mounting Hole Pattern. Engineered to comply with US and international grounding requirements.	78.65 (2)	0.67 (1.27)	0.05 (1.27)



RGS134-1Y

StructuredGround™ Bonding Cage Nut Kit

Part Number	Description
CNBKD	The CNBKD High Carbon Steel Bonding Cage Nut Kit creates an electrical bond between the mounting rails and equipment that conforms to EIA-310 specifications for racks and cabinets. The CNBKD Bonding Cage Nut Kit is installed with a Phillips or flat blade screwdriver



UGB2/0-414-6

Universal Ground Bars

Part Number	No. of Ports	Wire Port Wire Range AWG	1/4-28 Wire Port Screw Qty.	Figure Dimensions In. (mm)				
				Length In. (mm)	Width at Top In. (mm)	Width at Base In. (mm)	Height In. (mm)	Mounting Holes to Panel Width
UGB2/0-414-6	6	14 AWG - 4 AWG	8	4.92 (125.0)	0.62 (15.7)	0.44 (11.1)	0.48 (12.2)	2.37 (61.1)
UGB2/0-414-12	12		14	8.28 (210.3)				5.73 (145.4)
UGB2/0-414-18	18		20	11.64 (295.7)				9.09 (230.8)

Wire Termination

Discover compression and mechanical lugs alongside essential tools, all part of our comprehensive lineup of wiring and communication solutions. Pan-Lug connectors uphold the industry's highest standards for quality and performance, including UL, CSA, and American Bureau of Shipping certifications. Tested to NEBS Level 3 standards, they ensure unparalleled reliability with a commitment to five 9's reliability—the most stringent in the industry.

Blackfin® Compression Crimping Tool

Part Number	Crimp Force	Tool Type
CT-2931/STBT	12-ton	Die



Compression Lugs



LCC6-14JAW-L



LCD4-14AF-L

Part Number	Copper Conductor Size	Stud Hole Size in.	Stud Hole Spacing in.	Color	Panduit Die Index No. ‡	Brundy Die Index No. ‡	T&B Die Index No. ‡	Wire Strip Length in.
LCC6-14AW-L	#6 AWG	0.25	0.63	Blue	P24	7	24	1.125
LCC6-14JAW-L			0.50 – 0.63					
LCD2/0-14AF-X	#2/0 AWG		0.63	Black	P45	13	45	1.062
LCD4-14AF-L	#4 – #3 AWG STR #2 AWG SOL		0.63	Gray	P29	8	29	0.875

‡Visit panduit.com for tool and die information

Copper Compression Grounding



Part Number	Element	Copper Conductor Size Range AWG mm²	Ground Rod Size In. (mm)	Rebar Size In. (mm)	Color	Port and Die Index No.
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E-STYLE CONNECTORS

GCE250-1/0-Q	Main	1/0 STR – 250 kcmil	0.5 – 0.625 (12.7 – 15.9)	0.375 – 0.5, #3 – #4 (9.5 – 12.7) (#10 – #13)	Black	CD-930G-250 PG25
	Tap	6 SOL – 1/0 STR (16-50)	–	–		
GCE250-250-Q	Main	1/0 STR – 250 kcmil	0.5 – 0.625 (12.7 – 15.9)	0.375 – 0.5, #3 – #4 (9.5 – 12.7) (#10 – #13)	Black	CD-930G-250 PG25
	Tap					
GCE500-250-X	Main	250 – 500 kcmil (150 – 240)	0.5 – 0.75 (12.7 – 19.1)	0.625 – 0.75, #5 – #6 (15.9 – 19.1) (#16 – #19)	Blue	CD-930G-500 PG50
	Tap	1/0 STR – 250 kcmil (70 – 120)	–	–		



Part Number	AWG Run mm ²	AWG Tap mm ²	Panduit Die Index No.	Burndy Die Index No.	Wire Strip Length In. (mm)
CTAP					
CTAP2/0-2-X	1/0 – 2/0 AWG STR	#8 – #2 AWG SOL or STR	PO	0	1.17 (27)



Part Number	Element	Copper Conductor Size Range AWG mm ²	Ground Rod Size In. (mm)	Part and Index Die Number
CTAPR2-2-L	Main	6 STR – 2 STR 6 SOL – 1 SOL (16 – 25 STR) (16 – 35 SOL)	0.25 (6.4) Copper	PC
	Tap		–	
CTAPR250-250-L	Main	3/0 STR – 250 kcmil (95 – 120)	0.5 – 0.625 (12.8 – 14.2) Copper Clad	PG25
	Tap		–	



Part Number	Wire Strand Type	Run	Tap 1	Tap 2	Tap 3	Panduit Die Color & Die No.	Wire Strip Length In. (mm)
HTCT250-2-1	Code	250 kcmil – #2 AWG (120 – 35)	#2 – #6 AWG STR/SOL (25 – 16)	#8 – #14 AWG (6 – 2.5)	–	Purple PH25	1 (25)
	Flex	4/0 - #2 AWG (95 – 35)	#2 – #8 AWG (25 – 10)				
HTCT2-2-1	Flex	2-6 STR/SOL (2 – 8)	2 – 6 STR/SOL (2 – 8)	8 – 14	8 – 14	Brown	0.8125

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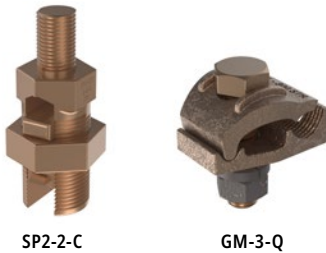
**STRUCTUREDGROUND™ INSULATING COVERS**

Part Number	For Panduit H-TAPS	Length in.	Width In.	Height In.
CLRCVR2-1	HTCT2-2-1	5.10	1.66	1.40
CLRCVR3-1	HTCT250-B-1, HTCT250-2-1, HTCT250-250-1	5.35	2.16	

StructuredGround™ Universal Beam Grounding Clamp

For use with HTAPS

Part Number	Material	Copper Conductor Size Range AWG mm ²	Flange Thickness In. (mm)	Thread Size in.	Hex Size
GUB					
GUBC500-6	Copper	#6 AWG – 500 kcmil (16 – 240)	0.250 – 0.675 (6.3 – 17.1)	0.5 – 13	0.25

Mechanical Grounding

SP2-2-C

GM-3-Q

Part Number	Conductor Size Range (AWG)	Stud Size (UNC Threads)	Nut Hex in.	Body Hex in.
STATION POST				
SP2-2-C	#10 STR – #2 STR	3/8 – 16	0.88	0.69
SP2-2/0-Q	#2 SOL – 2/0 STR	1/2/13	1.13	0.88
GROUNDING CLAMPS				
GM-3-Q	2/0 SOL – 250 kcmil	Bolt - 0.75, Nut - 0.75	–	–

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Part Number	Set Screw Material	Conductor Size Range (AWG)	Stud Hole Size in.	Hex Key Size in.	Length in.	Width in.	Height in.
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LAY IN LUGS

LIAS250-56-X*	Zinc Plated Steel	#6 AWG – 250 kcmil	0.31	0.25	2.2	0.8	1.7
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*Not DB Rated

Part Number	Width in.	Bracket Width in.	Depth in.	Height in.	Pedestal Size and Type
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FLOOR GROUND CLAMPS

GPQC10-1/0	3.38	3.25	4.19	3.19	0.875" Square, 1" Round, 1.125" Round
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Terminals

Terminals feature high-quality materials made with electrolytic copper for high conductivity and tin-plated for corrosion resistance. Choose from an array of different-sized terminal kits, either empty with lots of compartments or pre-filled with a mix of our terminal supplies.



PV14-6R-C



P10-P55-D

Part Number	Description	Wire Range	Wire Strip Length in.	Plier Tools	Controlled Cyle Hand Tools
PV14-6R-C	Ring Terminal, Blue, Vinyl	14–16 AWG	0.313	CT-100	CT-1550, CT-1551, CT-2300/ST (CD-550), CT-2500/L
PV18-8R-CY	Ring Terminal, Red, Vinyl	16–22 AWG			CT-1550, CT-1551, CT-2300/ST (CD-550), CT-2500/L (CT-2550CH)
P10-P55-D	Loose Piece Terminal	12–10 AWG	0.28	CT-100, CT-200	CT-1570, CT-2300 (CD-570), CT-2500 (CT-2570CH)
PN18-10F-C	Loose Piece Fork Terminal	18 AWG	0.22	CT-100	CT-1550, CT-1551, CT-2300/ST (CD-550), CT-2500/L (CT-2550CH)
PV10-38R-D	Ring Terminal, Yellow, Vinyl	10–12 AWG	0.313	N/A	CT-1550, CT-1551, CT-2300/ST (CD-550), CT-2500/L (CT-2550CH)
FSD81-12-C	Covered Single Wire Ferrule	12 AWG	0.625	N/A	CP-991, CP-992, CTFP-40, CTFP-100, CT-2300/ST (CD-090), CT-2523CH)

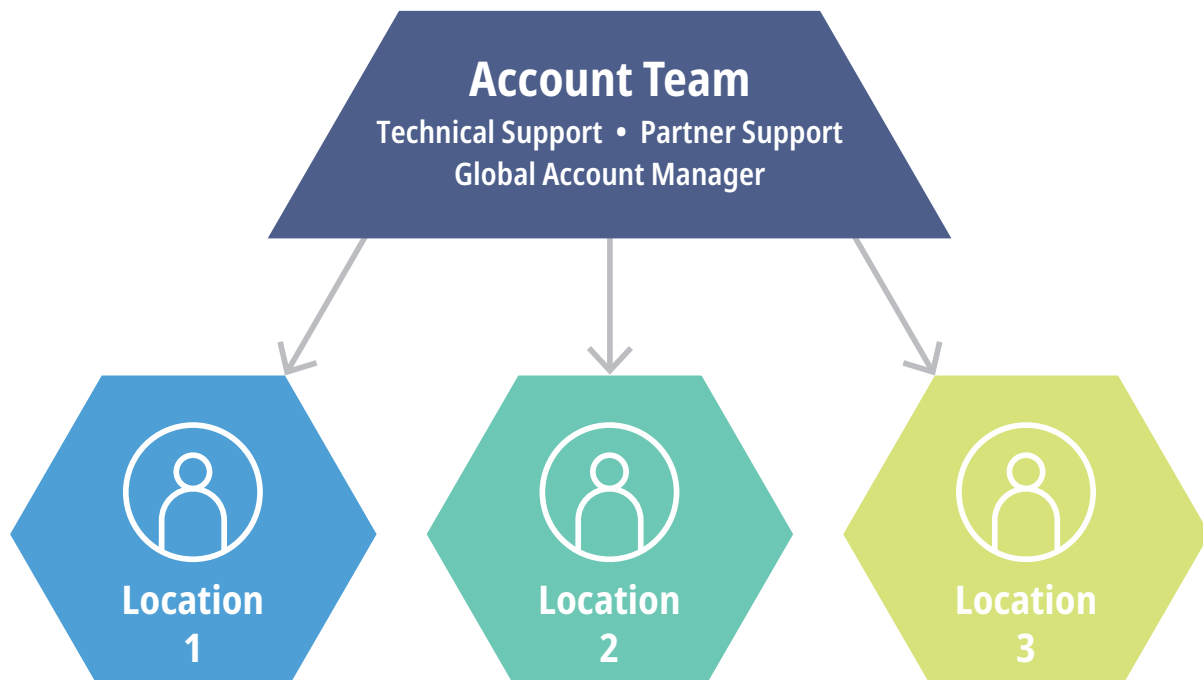
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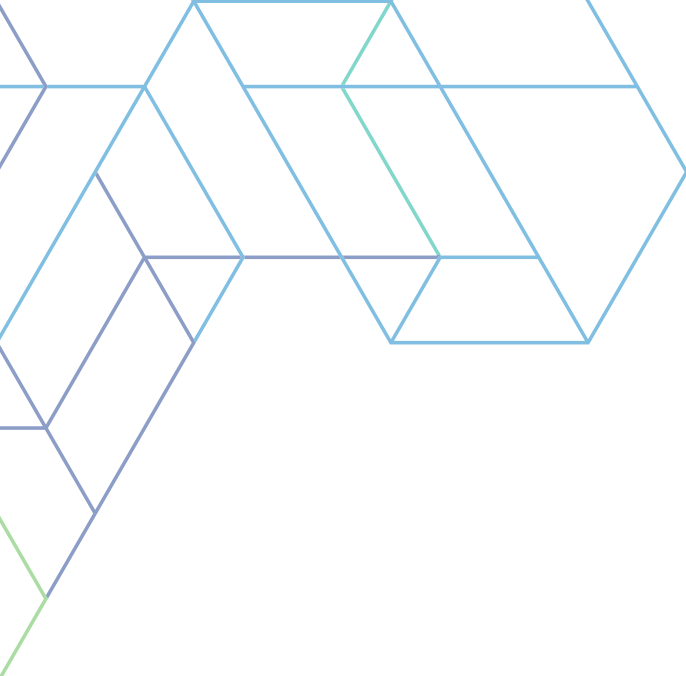


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