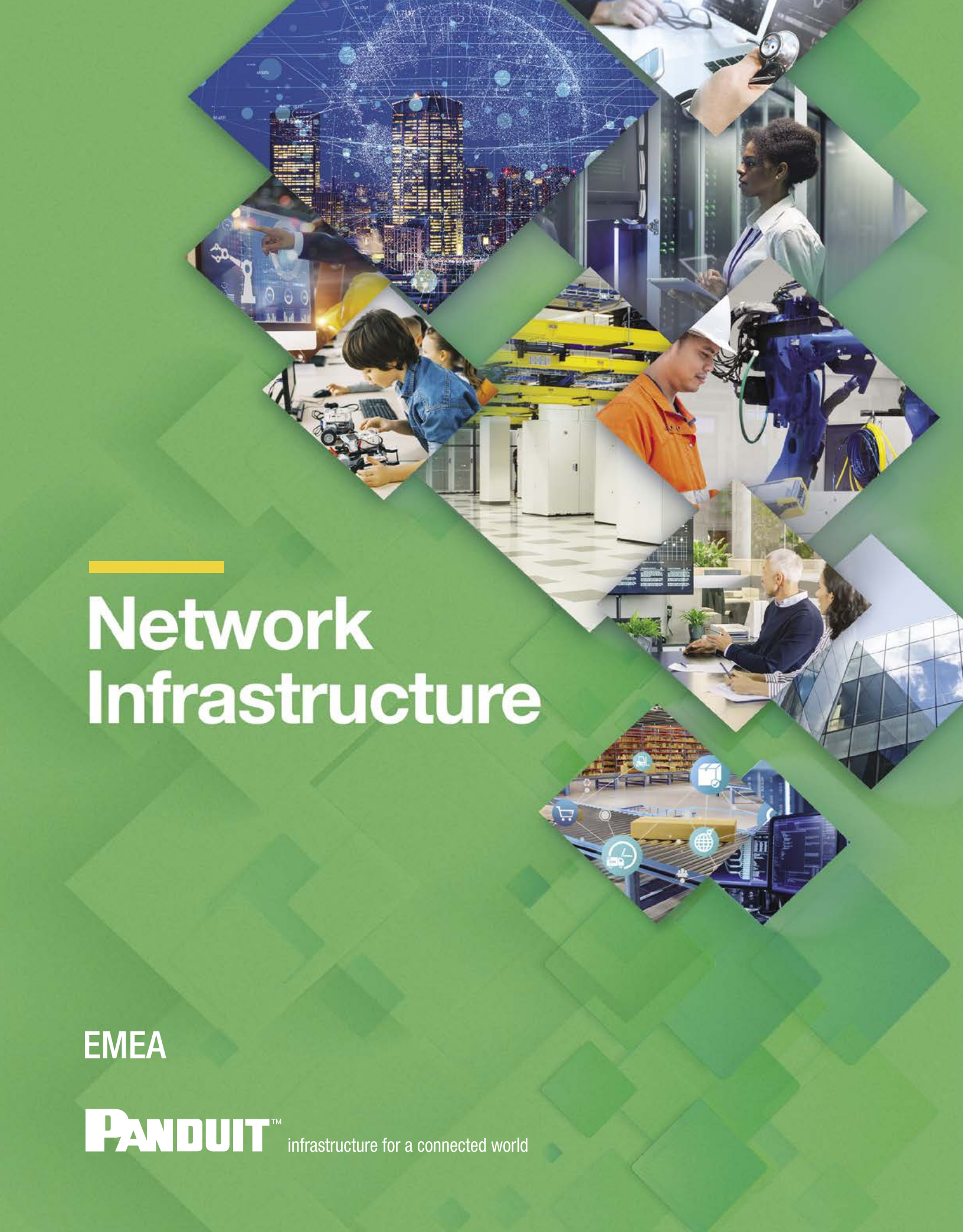




Network Infrastructure

EMEA

PANDUIT[™] infrastructure for a connected world

Welcome to the new 2021 Panduit Network Infrastructure Catalog



With a fresh look, this catalog was designed with our customers in mind – enabling you to more quickly find the Panduit products that meet your needs for Data Center, Enterprise, and Industrial Network environments. For online users, interactive links help you navigate through the catalog. Part number links take you directly to the part number page on panduit.com where you will find more detailed product specifications, drawings, and more.

Check out our Product Showcase section. In this section you'll see some of our recently launched products, engineered to meet today's most complex challenges.

Throughout the catalog you will see a **BEST SELLER** label on select parts. These are the most popular parts in our portfolio and the most often chosen by our customers.

Looking for a part not in this catalog? Visit panduit.com today to view our full line. Panduit continues our commitment to bring innovative, high quality, and industry-leading product to market to meet your most demanding physical infrastructure requirements.

	A. Product Showcase
	B. Copper Systems
	C. Fiber Systems
	D. Industrial Networks
	E. Audio Video Systems
	F. Keystone Cabling Systems
	G. Cabinets, Thermal Management, Racks, Enclosures, and Cable Management
	H. Power and Connectivity Management
	I. Cable Management Accessories
	J. Cable Routing Systems
	K. Cable Cleats
	L. Part Number Index

**A.
Product
Showcase**

**B.
Copper
Systems**

**C.
Fiber
Systems**

**D.
Industrial
Networks**

**E.
Audio
Video
Systems**

**F.
Keystone
Cabling
Systems**

**G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt**

**H.
Power and
Connectivity
Management**

**I.
Cable
Management
Accessories**

**J.
Cable
Routing
Systems**

**K.
Cable
Cleats**

**L.
Part
Number
Index**

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index



Accelerate Deployment with a Flexible Data Center Cabinet Design

The FlexFusion™ Cabinet allows for custom configurations to meet your network needs. FlexFusion™ Cabinets are ideal for network or server equipment and provide maximum flexibility and the capacity to manage high cable density in data center, enterprise or colocation deployment. **G.2 – G.4**



Category 6A Performance, Category 6 Size

The Vari-MaTriX™ HD Copper Cable's small diameter provides improved fill capacity up to 35% compared to a 0.285 inch diameter copper cable, simplifies network upgrades, and utilizes existing and new infrastructure. **B.2**



Transforming Communications for Automation Devices

Single Pair Ethernet simplifies the design and deployment of Ethernet physical infrastructure for operational technology devices and applications. **B.10**

Save Space and Go Further with Active Optical Cable

Active Optical Cable (AOC) Assemblies run significantly further compared to DAC assemblies and because they use fiber, the diameter allows for higher density in pathways. **C.24**



Smallest Diameter 24 AWG Patch Cord on the Market

The Next-Generation 24 AWG Patch Cord's flexible cable design helps to improve cable management in high density applications enabling easier installations throughout the network. **B.6**



The Next Generation of LC Patch Cords

The Uniboot Push-Pull Fiber Patch Cord features a unique pull-boot that simplifies insertion/extraction. The unitary cable and low-profile form factor reduce the cable volume density to help optimize your space. **C.27**



A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Enable Higher Density and Higher Speeds

The CS Connector Cassettes and Patch Cords increase the HD Flex™ Platform port density from 144 fibers per RU with LC connectors to 216 fibers per RU with CS connectors, making it the perfect choice for high density. **C.10 – C.27**

Protect Your Cable-to-Cable Fusion Splice Connections

The HD Fusion Wall Mount Splice Enclosure 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. **C.13**

The Most Advanced Cabinet Access Control Solution in the Market

The SmartZone™ G5 Security Handle is specially designed to meet the most rigorous of security challenges (both digital and physical) in today's data center environment. **H.4**

TX6A™ Category 6A UTP FieldCord™ Connectors



The FieldCord™ Connectors combine a field-mateable splice, the industry's smallest diameter Category 6A UTP twisted pair 23 AWG cable, and an ultra-compact RJ45 plug to fit into the smallest port spaces and most confined cable routing paths. **B.10**

Ensure Easy Termination in Your Network



The TX6A™ UTP and STP Field Term Plug's TG-style forward motion termination technology optimizes performance by maintaining cable pair geometry while eliminating conductor untwist. The field term plug is ideal for connecting an increasing number of network-powered devices requiring a plug connection to the network and where field attachment of the plug to cable is desired. **B.8**

Robust 600 V Rated Construction for Superior Performance



The IndustrialNet™ Overmolded Cordsets ensure high performance and reliable connections under harsh environmental conditions. **D.3**

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Best-In-Class Form and Function

The SmartZone™ G5 Intelligent PDU provides comprehensive, accurate monitoring of data center power, environment and security to increase uptime and save energy costs. The addition of 415 V PDUs allows for an increase in power capacity and energy savings. **H.2**

A Versatile Enclosure for Frequently Changing Infrastructures

The Consolidation Point Box provides flexibility to reconfigure cable runs to meet frequently changing organizational requirements and reduces network downtime when these reconfigurations happen. **G.24**

Low Profile, High Density Storage Solution that Makes a Difference

The PanZone™ TrueEdge™ Enclosure optimizes space and eliminates data and power lag time by mounting servers in confined spaces. **G.24**



Assemble Your Network Rack in Minutes

The Adjustable Depth 4 Post Rack combines the stability of a cabinet with the accessibility of an open rack to provide maximum flexibility when designing the network. **G.21 – G.22**



Efficiently Manage High Performance Copper and Fiber Cable in Your Network

The PatchRunner™ 2 Horizontal Cable Manager provides a comprehensive architecture that regulates access to network equipment, efficiently organizes cables, and ensures continuous coherent performance. **G.19**



Keep it Smart! Block Unauthorized Access to Your Network

SmartKeeper offers a unique blocking mechanism to prevent unauthorized access to open ports by adding a physical layer to the security system already in place. **B.18**

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

**A.
Product
Showcase**

**B.
Copper
Systems**

**C.
Fiber
Systems**

**D.
Industrial
Networks**

**E.
Audio
Video
Systems**

**F.
Keystone
Cabling
Systems**

**G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt**

**H.
Power and
Connectivity
Management**

**I.
Cable
Management
Accessories**

**J.
Cable
Routing
Systems**

**K.
Cable
Cleats**

**L.
Part
Number
Index**



Table of Contents

Copper Cable	B.2 – B.4
Copper Patch Cords	B.6
Modules and Plugs	B.7 – B.9
FieldCord™ Connectors	B.10
Tools	B.11
Patch Panels	B.12 – B.13
Identification Products	B.15 – B.17
SmartKeeper, RJ45 Lock-In and Blockout Devices	B.18
QuickNet™ Copper Cabling System	B.19 – B.20
Direct Attach Cable Assemblies	B.20 – B.21
Mini-Com™ Faceplates, Mini-Com™ Adapters, Mini-Com™ Surface Mount Boxes	B.23 – B.26

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

TX6A™ Category 6A Unshielded Copper Cable

- Panduit cables feature a small cable diameter; improves cable fill and simplifies upgrades from Category 6
- Lighter weight cables, smaller bend radius and increased flexibility ease installation
- Best-in-class alien crosstalk mitigation
- Vari-MaTriX™ Cables offer the best EMI immunity in a UTP cable
- Exceptional performance for PoE++ applications

Vari-MaTriX™ High Density (HD) Category 6A Copper Cable



Part Number	Flame Rating	EuroClass	Barrier Tape	Cable Diameter, mm	AWG	UL Temperature Range °C	Length, m.
-------------	--------------	-----------	--------------	--------------------	-----	-------------------------	------------

Category 6A Copper Cable TX6A™ U/UTP



PUY6AV04WH-EG

BEST SELLER	PUL6AV04WH-EG	LSZH-3	Dca-s2,d2,a1	Vari-MaTriX	6.6	23	-20° to 75°	305	
BEST SELLER	PUY6AV04WH-EG		Cca-s1b,d1,a1		6.7				
	PUW6AV04WH-EG		B2ca-s1a,d1,a1						
	PUL6ASD04WH-EG	LSZH-1	Dca-s2,d2,a1	MaTriX	6.1	26	-20° to 60°	305	
	PUZ6ASD04WH-EG	LSZH-3	Dca-s2,d2,a1						
BEST SELLER	PUL6X04WH-HEG	LSZH-1	Dca-s2,d2,a1	U/MTP	7.2	23		-20° to 60°	305
BEST SELLER	PUY6X04WH-HEG		Cca-s1a,d1,a1						
	PUY6X04WH-HED										500

Part number reflects White cable. For other color options, please contact Customer Service.

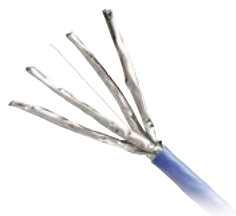
Panduit™ Copper Cabling Systems utilizing Mini-Com™ Connectivity Components are designed for optimum network performance, design flexibility and reliability to protect network investments well into the future. Each system denoted provides users with headroom assurance that will exceed the applicable category of ANSI/TIA-568.2-D and ISO 11801 standards. Headroom values are based on “real world” conditions through the use of industry recognized hand-held testers. No test analyzers or computer models were used.

Channel Headroom

Electrical Value	Category 6A Shielded	Vari-MaTriX UTP
Insertion Loss	3%	3%
NEXT	3.5	3.5
PSNEXT	5	5
PSACR-F	10	10
Return Loss	3	3
PSACR-N	6.5	6.5
PSANEXT	20	4
PSAACR-F	20	10

Category 6A Shielded Copper Cable

- Superior performance which exceeds requirements of ANSI/TIA-568.2-D Category 6A, IEEE 802.3an-2006, and ISO 11801 Class E_A channel standards
- Conductors are 23 AWG with polyethylene (PE) insulation



PUFL6X04WH-HED

Part Number	Flame Rating	EuroClass	Packaging	Color	AWG	Length, m
-------------	--------------	-----------	-----------	-------	-----	-----------

Category 6A U/FTP Copper Cable

BEST SELLER PUFL6X04WH-HED	LSZH-1	Dca-s2,d2,a1	Reel	White	23	500
BEST SELLER PUFY6X04WH-HED	—	Cca-s1,d1,a1				

Category 6A F/UTP and F/FTP Copper Cable

PFL6X04WH-CEG	LSZH-1	Dca-s2,d2,a1	Reel	White	23	305
PFY6X04WH-CED	—	Cca-s1a,d1,a1				500
PFFL6X04WH-HED	LSZH-1	Dca-s2,d2,a1				
BEST SELLER PFFY6X04WH-HED		Cca-s1,d1,a1				

For other color options, please contact Customer Service.

Category 7 and 7A Shielded Copper Cable

- Certified component performance up to 100 meters and meets or exceeds the component requirement of the IEC 61156-5 Category 7 or 7A standard
- Descending length cable markings enable easy identification of remaining cable which reduces installation time and cable scrap



PSL7004WH-KD

Part Number	Flame Rating	EuroClass	Packaging	Color	AWG	Length, m
-------------	--------------	-----------	-----------	-------	-----	-----------

Category 7A S/FTP Copper Cable

PSL7A04WH-HED	LSZH-1	Dca-s1a,d1,a1	Reel	White	23	500
PSL7A2204WH-HED		B2ca-s1a,d1,a1			22	
PSL27A2204WH-HD						
PSW7A04WH-HED						

Category 7 S/FTP Copper Cable

PSL7004WH-HED	LSZH-1	Dca-s1a,d1,a1	Reel	White	23	500
BEST SELLER PSW7004WH-HED		B2ca-s1a,d1,a1				

For other color options, please contact Customer Service.

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Category 6 Unshielded Copper Cable

- Reduced diameter and weight for improved cable fill and increased flexibility for ease during installation
- Superior channel headroom performance provides margin above the Industry Standard



PUL6004BU-FE



PUW6C04BU-CE

Part Number	Flame Rating	EuroClass	Packaging	Color	AWG	Length, m
-------------	--------------	-----------	-----------	-------	-----	-----------

Category 6 U/UTP Copper Cable, Enhanced Performance

BEST SELLER PUL6004WH-FE	LSZH-1 and LSZH-3-22	Dca-s2,d2,a1	Easy Payout Carton	White	23	305
PUZ6004WH-CEG	LSZH-3-25	Dca-s1a,d2,a1	Reel			305
BEST SELLER PUY6004WH-HE	LSZH-1	Cca-s1a,d1,a1	Easy Payout Carton			305
PUY6004WH-HED			Reel			500

Category 6 U/UTP Copper Cable, Standard Performance

PUL6C04WH-FEQ	LZSH-1 and LSZH-3-22	Dca-s2,d2,a2	Reel	White	24	610
PUY6C04WH-FE	N/A	Cca-s1a,d0,a1				305
PUW6C04WH-CE	LSZH-1	B2ca-s1a,d1,a1	Easy Payout Carton			305
PUW6C04WH-CED			Reel			500

For standard colors other than White, please contact Customer Service.

Category 6 Shielded Copper Cable

- Exceeds ANSI/TIA-568.2-D Category 6 and ISO 11801 Class E channel requirements; Meets ANSI/TIA-568.2-D and ISO 11801 Category 6 component requirements
- Descending length cable markings enable easy identification of remaining cable which reduces installation time and cable scrap



PSFL6004WH-KD

Part Number	Flame Rating	EuroClass	Shield Type	Packaging	Color	AWG	Length, m
-------------	--------------	-----------	-------------	-----------	-------	-----	-----------

Category 6 Shielded Copper Cable

PFL6004WH-KD	LSZH-1	Eca	F/UTP	Reel	White	23	500
PSFL6004WH-KD		Eca	SF/UTP				

For standard colors other than White, please contact Customer Service.

Category 5e Copper Cable

- Superior channel headroom performance provides margins above the Industry Standard



PUL5504WH-EY



PFL5504WH-KG

Part Number	Flame Rating	EuroClass	Packaging	Color	AWG	Length, m
-------------	--------------	-----------	-----------	-------	-----	-----------

Category 5e U/UTP Copper Cable

PUL5504WH-EY	LSZH-1 and LSZH-3-22	Dca-s2,d2,a1	Easy Payout Carton	White	24	305
PUZ5504WH-CEG	LSZH-3-25	Dca-s1a,d2,a1				

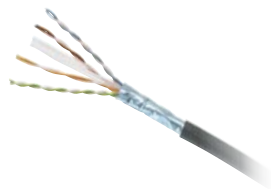
Category 5e Shielded F/UTP Copper Cable

PFL5504WH-KG	LSZH-1	Eca	Reel	White	24	305
--------------	--------	-----	------	-------	----	-----

For standard colors other than White, please contact Customer Service.

Outdoor (OSP) Copper Cable

- Protects against environmental elements that can cause electrical performance failures
- Gel-filled construction prevents moisture migration in underground and wet applications
- Black in color



PFO6X04BL-CEG

Part Number	Performance Level	Flame Rating	EuroClass	Construction, AWG	Packaging	Length, m
PUO6C04BL-CEG	6	OSP	Fca	U/UTP, 24	Reel	305
PUO6C04BL-CEQ	6					610
PFO6X04BL-CEG	6A			F/UTP, 23		305
PUO6X04BL-CEG	6A			U/UTP, 23		305
PSO7004BL-KED	7		Eca	S/FTP, 23		500

Part numbers reflect Black cable. For other color options, please contact Customer Service.

Multi-Pair Copper Cable



PUL3025WH-A

Part Number	Flame Rating	EuroClass	AWG	Packaging	Length, m
PUL3025WH-A	LSZH-1	Dca-s2,d2,a1	24	Reel	305

Part number reflects White cable. For other color options, please contact Customer Service.

Single Pair Ethernet Shielded Copper Cable



SP-SFCS1IG-CEG

Part Number	Flame Rating	Performance Level	Cable Construction	Cable Diameter In.	Packaging	Color
SP-SFCS1IG-CEG	CMR, FT-4	SP1-1000 Cable Construction 10Mb/s, 1km	S/FTP	0.268	Reel	International Gray

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Copper Patch Cords

- Each patch cord is 100% performance tested to component limits
- Patented tangle-free latch on all plugs
- Supports IEEE 802.3af, 802.3at, and 802.3bt type 3 and 4 for PoE applications up to 100 W
- 28 AWG patch cords support up to 96 meters of channel length when using 6m of patch cord; De-rating factor: 1.9
- 26 AWG patch cords support full 100 meter channel length; De-rating factor: 1.5
- 24 AWG patch cords support full 100 meter channel length; De-rating factor: 1.2

Unshielded Patch Cords



UTP28X^BU

BEST SELLER

BEST SELLER	Performance Level	Cable Type	AWG	Cable Diameter mm	Flammability Rating	Length m#	Color^
Part Number							
UTP28X#M^	Category 6A	Unshielded	28	4.7	CM/LSZH	0.5 – 40	Off White (blank), Black (BL), Blue (BU), Green (GR), Red (RD), Yellow (YL)
UTP28SP#M^	Category 6			3.8			
UTP28CH#M^	Category 5e			3.8			
UTP6AX#M^	Category 6A		24	6.4	CM	1 – 40	
UTPSP#M^Y	Category 6			6.0			
UTPSPL#M^Y					LSZH		
UTPCH#M^Y	Category 5e			5.5	CM		

= Length in meters. Lengths 0.5 to 10 meters (in 0.5 meter increments), 11 to 20 meters (in 1 meter increments), and 25 to 40 meters (in 5 meter increments).

^ = Color. No suffix designates Off White color. For other colors, suffix: BL (Black), BU (Blue), GR (Green), GY (Gray), OR (Orange), RD (Red), VL (Violet), or YL (Yellow); PK (Pink) is available as cord color option for UTP28SP only.

Shielded Patch Cords



STP28X^MIG

Part Number	Performance Level	Cable Type	AWG	Cable Diameter In. (mm)	Flammability Rating	Length m^	Color*
STP28X#M^	Category 6A	Shielded	28	0.185 (4.7)	CM/LSZH	0.2, 0.5, 1, 1.5, 2, 2.5, 3, 5	International Gray (IG), Black (BL), Blue (BU), Green (GR)
STP6X#M^			26	0.248 (6.3)			

= Length in meters. Lengths 0.5 to 10 meters (in 0.5 meter increments), 11 to 20 meters (in 1 meter increments), and 25 to 40 meters (in 5 meter increments).

^ = Color. No suffix designates Off White color. For other colors, suffix: BL (Black), BU (Blue), GR (Green), GY (Gray), OR (Orange), RD (Red), VL (Violet), or YL (Yellow); PK (Pink) is available as cord color option for UTP28SP only.



**Like what you see...
and want more?**

For more Copper Patch Cord options, visit
www.panduit.com/configure-copper-patch-cord.

PanZone™ Plug to Plug Cable Assemblies



UZPPBU^

Part Number	Performance Level	Cable Type	AWG	Cable Diameter In. (mm)	Flammability Rating	Length Ft.^	Color
UZPPBU^	Category 6A	Unshielded	23	0.25 (6.4)	CMP	10, 30, 60, 100	Blue
SAPPBU^		Shielded		0.29 (7.36)			
UPPBU^	Category 6	Unshielded		0.24 (6.09)			

Mini-Com™ TX6A™ and TX6™ PLUS Unshielded Jack Modules

- All jacks 100% tested to ensure NEXT and return loss performance and individually serialized for traceability
- Mini-Com™ TG-style Jack Modules have EPDs and HPDs to help earn LEED points
- Utilize patented Giga-TX™ Technology for jack terminations which maintain cable pair geometry and minimize conductor untwist

BEST SELLER Best Seller Jack Modules



CJ6X88TGBL



CJ688TGBU

Part Number	Jack Type	Performance Level	Color*	Termination Style
CJ6X88TG*	Unshielded Standard	Category 6A	Black (BL), Blue (BU), Electric Ivory (EI), Green (GR), International Gray (IG), Off White (IW), Orange (OR), Red (RD), Violet (VL), White (WH), Yellow (YL)	TG-Style
CJ688TG*		Category 6		
CJ6X88TG*-24		Category 6A	Black (BL), Blue (BU), White (WH)	
CJ688TG*-24		Category 6		
CJS6X88TGY	Shielded Standard	Category 6A	Black	
CJS688TGY		Category 6		

-24 indicates 24 pieces per package.

Other Available Jack Modules



CJLR6X88TGBU



CJH6X88TGBU



CJS6X88TGGRY

CJ6X88TG*-24	Unshielded Standard	Category 6A	Electric Ivory (EI), Green (GR), International Gray (IG), Off White (IW), Orange (OR), Red (RD), Violet (VL), Yellow (YL)	TG-Style	
CJ688TG*-24		Category 6			
CJ6X88TG*-C		Category 6A	Black (BL), Blue (BU), Electric Ivory (EI), Green (GR), International Gray (IG), Off White (IW), Orange (OR), Red (RD), Violet (VL), White (WH), Yellow (YL)		
CJ688TG*-C		Category 6			
CJUD6X88TG*	Unshielded Up/Down	Category 6A	Black (BL), Blue (BU), Electric Ivory (EI), Green (GR), International Gray (IG), Off White (IW), Orange (OR), Red (RD), Violet (VL), White (WH), Yellow (YL)		
CJUD688TG*		Category 6			
CJLR6X88TG*	Unshielded Left/Right	Category 6A			
CJLR688TG*		Category 6			
CJH6X88TG*	Unshielded Spring Shuttered	Category 6A			
CJH688TG*		Category 6			
CJS6X88TG*Y	Shielded Standard	Category 6A			Blue (BU), Green (GR), Red (RD), Violet (VL), White (WH), Yellow (YL)
CJS688TG*Y		Category 6			
CJS6X88TGY-24		Category 6A	Black		
CJS688TGY-24		Category 6			

-24 indicates 24 pieces per package or -C indicates 100 pieces per package.

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Mini-Com™ TX6A™ and TX6™ PLUS Unshielded and Shielded Coupler Modules

- RJ45 8-position female to RJ45 8-position female passthrough module for easy connection of 6 and 8-position RJ45 patch cords
- Also available as 24-port coupler patch panels, see page B.14
- Compatible with Mini-Com™ Modular Patch Panels and Faceplates; not compatible with surface mount box applications



CC6X88BL

BEST SELLER Best Seller Coupler Modules

Part Number	Type	Performance Level	Color	Termination Style
CC6X88BL	Unshielded	Category 6A	Black	RJ45
CC688BL		Category 6		



CC688IW

Other Available Coupler Modules

CC6X88*	Unshielded	Category 6A	Blue (BU), Green (GR), Off White (IW), Orange (OR)	RJ45
CC688*		Category 6		
CCS6X88BL	Shielded	Category 6A	Black	

TX6A™ Unshielded and Shielded Field Term Plugs

- Simple-to-attach field terminable plugs in straight and angled UTP versions
- 22-26 AWG compatible and re-terminable up to 20 times
- Category 6A performance, also compatible with Category 6 and 5e systems
- Utilizes patented Giga-TX™ Technology for cable terminations which maintain cable pair geometry and minimize conductor untwist

BEST SELLER Best Seller Field Term Plugs



FP6X88MTG FPS6X88MTG

Part Number	Type	Performance Level	Color	Termination Style
FP6X88MTG	Unshielded Straight	Category 6A	Black	TG-Style
FPS6X88MTG	Shielded Straight		Silver	

Other Available Field Term Plugs



FPUD6X88MTG

FP6X88MTG-X	Unshielded Straight	Category 6A	Black	TG-Style
FPUD6X88MTG	Unshielded 45° Angled			
FPUD6X88MTG-X				
FPS6X88MTG-X	Shielded Straight		Silver	

-X indicates 10 pieces per package.

TX6A™ Unshielded and Shielded Field Term Plug Test Cord



FP6X88TC

Part Number	Cable Type	Conductor Gauge (AWG)	Cable Diameter In. (mm)	Flammability Rating	Length Ft.	Color
FP6X88TC	Unshielded	26	0.24 (6.09)	CM	3.28	Red

TX6A™ and TX6™ PLUS Modular Plugs

- Exceed respective ANSI/TIA-568.2-D Category and ISO 11801 Class performance levels when properly terminated
- Patented tangle free latch prevents snags and provides easy release
- Modular plugs include 100 pieces per package



SP6X88-C



SPS6X88-C

Part Number	Type	Peformance Level	Wire Gauge AWG	Cable Diameter Range In. (mm)	Insulation Diameter Range In. (mm)
SP6X88-C	Unshielded	Category 6A	23-24	0.275–0.315 (6.99–8.00)	0.040–0.048 (1.02–1.22)
SP6X88P-C			24	0.260–0.300 (6.60–7.62)	0.036–0.042 (0.91–1.07)
SP6X88SD-C			26	0.220–0.250 (5.59–6.35)	0.025–0.030 (0.64–0.76)
SP628-C		Category 6	28	0.138–0.189 (3.50–4.80)	Max. 0.027 (0.686)
SP688-C			23-24	0.225–0.250 (5.72–6.35)	0.036–0.042 (0.91–1.07)
SPS6X88-C	Category 6A	0.275–0.300 (6.99–7.62)		0.042–0.047 (1.07–1.19)	
SPS688-C	Category 6	24		0.230–0.265 (5.84–6.73)	0.036–0.040 (0.91–1.02)

Mini-Com™ TX6A™ and TX6™ PLUS Unshielded Wire Caps



CJLRCAPBU-X

Part Number	Type	Performance Level	Color	Termination Style
CJLRCAPBU-X	Unshielded Left/Right	Category 6A	Blue	TG-Style
CJLRCAPBU-C				
CJLRCAPIW-X		Category 6	Off White	
CJLRCAPIW-C				
CJUDCAPBU-X	Unshielded Up/Down	Category 6A	Blue	
CJUDCAPBU-C				
CJUDCAPIW-X		Category 6	Off White	
CJUDCAPIW-C				

-X indicates 10 pieces per package or -C indicates 100 pieces per package.

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Mini-Com™ TX6A™ and TX6™ PLUS Shielded Wire Caps



CJSLRCAPBU-X

Part Number	Type	Performance Level	Color	Termination Style
CJSLRCAPBU-X	Shielded Left/Right	Category 6A	Blue	TG-Style
CJSLRCAPIW-X		Category 6	Off White	
CJSUDCAPBU-X	Shielded Up/Down	Category 6A	Blue	
CJSUDCAPIW-X		Category 6	Off White	

-X indicates 10 pieces per package.

Single Pair Ethernet Plug



SP-1LSA22BL

Part Number	Description	AWG	Color
SP-1LSA22BL	Shielded Single Pair Ethernet 2 Wire, 2 Position Plug	18	Black

TX6A™ FieldCord™ Connectors



FC-ICC/P3MBU



FC-ICC/P3MWH



FC-OCC/O5MBL

Part Number	Plug Type	Performance Level	Flammability Rating	Length m	Color
FC-ICCP0.5MBU	Unshielded Connector Cord	Category 6A	CMP	0.5	Blue
FC-ICCP0.5MWH					White
FC-ICCP1MBU				1	Blue
FC-ICCP1MWH					White
FC-ICC/P3MBU	Unshielded Connector Cord with Loose Splice Connector		3	Blue	
FC-ICC/P3MWH				White	
FC-OCCO1MBL	Shielded/Outdoor Connector Cord		CMX	1	Black
FC-OCCO3MBL				3	
FC-OCC/O5MBL	Shielded Connector Cord with Loose Splice Connector			5	

Part Number	Type	Performance Level	Color
FC-OSC	Shielded/Outdoor Splice Connector	Category 6A	Silver

Tools and Accessories



EGJT-1



EGPT



TGJT



MPT5-8AS



CJAST



CWST

Part Number	Type	Description	Color
EGJT-1	Jack and Field Term Plug Termination Tools	TG Style Termination Tool.	Green
TGSJT		45° TG Jack Termination Tool.	Red
EGPT		Enhanced TG-Style Plug Termination Tool for Straight or Angled Field Term Plugs.	Violet
TGJT		Termination Tool for TG Style Copper Jack Modules.	Black
MPT5-8AS	Loose Piece Plug Termination Tools	Crimp tool for TX6™ PLUS and Pan-Plug™ Modular Plugs.	
CSPT	Loose Piece Plug Termination Tools	Termination Tool for Panduit Modular Plugs.	
SGPT		Termination Tool for 28 AWG Panduit Modular Plugs.	Blue
MDC-C	Jack Accessories	Clear RJ45 Dust Cap.	Clear
CJSGK-XY		Grounding Kit for Giga-TX™ Style Jack Modules.	-
CJAST	Cable Prep Tools	Copper Cable Stripping Tool.	Gray
CJASTB		Replacement Blade Kit for CJAST.	-
CWST		Copper Cable Snipping Tool.	Green

Break-Away Adapter

- Enables any standard patch cord to “breakaway” upon a sudden pulling force, minimizing tripping hazards to people and potential damage to connected equipment or ports
- Meets all Category 6A requirements (including alien crosstalk) and is acceptable for use with Category 5e, 6 and 6A UTP patch cords



BKA6ASD8INBL

Part Number	Cable Type	AWG	Length In. (Cm)	Flammability Rating	Color	Std. Pkg. Qty.
BKA6ASD8INBL	Category 6A UTP	26	8.0 (20.3)	CM	Black	1

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Mini-Com™ Modular Patch Panels

- Accept Mini-Com™ Modules, which snap in and out for easy moves, adds and changes
- Angled style facilitate proper bend radius control and minimizes the need for horizontal cable managers
- Front access design includes faceplate with easy snap release feature
- Select panels available in White
- Shielded panels limited to shielded jacks



CPP24FMWBLY



CPP48FMWBLY



CPPL24WBLY



CPPLA48WBLY

Part Number	Ports	No. of Rack Units	Style	Identification	Color	
Flush Mount						
BEST SELLER CPP24FMWBLY	24	1	Flat	Adhesive	Black	
CPP24FM6BL					White	
CPP24FMWWH			Angled*		Black	
CPPA24FM6BL					White	
CPPA24FMWWH			48		2	Flat	Black
BEST SELLER CPPA24FMWBLY						
BEST SELLER CPP48FMWBLY	Angled*					
BEST SELLER CPPA48FMWBLY	Flat					
CPP48FM6BL	Angled*	White				
CPPA48FM6BL	Flat					
CPP48FMWWH	Angled*					
CPPA48FMWWH	Flat					
CPP72FMWBLY	72		Flat	Black		
CPPA72FMWBLY			Angled*			
Front Access						
BEST SELLER CPP24WBLY	24	1	Flat	Adhesive	Black	
BEST SELLER CPPL24WBLY				Label Pocket		
CPPL24M6BLY						
CPPLA24WBLY			Angled*			
CPPL48M6BLY	48	2	Flat	Adhesive		
BEST SELLER CPP48WBLY				Label Pocket		
BEST SELLER CPPL48WBLY			Angled*			
BEST SELLER CPPLA48WBLY			Flat	Adhesive		
CPP48WBLY						

*Patented design

Mini-Com™ Modular Patch Panels (continued)



CPPA48HDWBL



CP24BLY



CP48BLY

Part Number	Ports	Rack Units	Style	Identification	Color
High Density					
BEST SELLER CPP48HDEWBL	48	1	Flat	Adhesive	Black
BEST SELLER CPP48HDVNSWBL				—	
BEST SELLER CPP48HDWBLY					
BEST SELLER CPPA48HDWBLY			Angled*		
CPP48HDWWH			Flat	White	
CPPA48HDVNSWBL			Angled*	Black	
CPPA48HDWWH				White	
CPPA48HDEWBL				Adhesive	Black
All Metal Shielded					
BEST SELLER CP24BLY	24	1	Flat	Adhesive	Black
CPA24BLY			Angled*		
CP24WH			Flat		White
CPA24WH			Angled*		
BEST SELLER CP48BLY	48	2	Flat		Black
CP48WH			Angled*		White
CPA48WH					
CPA48BLY					
CP48HDBL		1	Flat		Black
CPA48HDBL			Angled*		
CP48HDBL			Flat		White
CP48HDWH					
CPA48HDBL			Angled*		Black
CPA48HDWH					White

*Patented design

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Populated UTP Patch Panels

- Includes DP6A™ and DP6™ Panels with 110 punchdown termination and Category 6A and 6 coupler-based panels
- Coupler-based panels provide fast and easy connection of 6 and 8-position RJ45 patch cords

		Part Number	Ports	No. of Rack Units	Performance Level	Style	Identification	Color	Termination Type	
 DP246X88TGY		CP246X88BL	24	1	Category 6A	Flat	Adhesive	Black	Coupler	
		CP24688BL			Category 6					
		BEST SELLER DP246X88TGY			Category 6A					Angled*
		DP246X88TGWH								
		DPA246X88TGY								
		DPA246X88TGWH								
		BEST SELLER DP24688TGY			Category 6	Flat		White	110	
		DP24688TGWH								Angled*
		DPA24688TGWH				Angled*				
		DPA24688TGY								
 DP48688TGY	VP24382TV25Y	48	2	Category 3	Flat	Adhesive	Black	RJ21		
	BEST SELLER DP486X88TGY			Category 6A					Angled*	
	DP486X88TGWH									
	DPA486X88TGY									
	DPA486X88TGWH				Category 6		Flat	Black		110
	BEST SELLER DP48688TGY			Angled*						
	DPA48688TGY						Flat			
	DP48688TGWH			Angled*						
	DPA48688TGWH									
	Angled Patch Panel Kit									
 TPK2A32R88S68		TPK2A32R88S68	32	1	Category 3	Angled*	Adhesive	Black	68 Pin SCST	

Angled Patch Panel Kit

TPK2A32R88S68	32	1	Category 3	Angled*	Adhesive	Black	68 Pin SCSI
---------------	----	---	------------	---------	----------	-------	-------------

*Patented Design.

Patch Panel Accessories

- Strain relief bars help support cable exiting the back of the panel
- Filler panels cover unused rack space
- Transitional cover for angled panels to help promote proper airflow and cooling
- Select product available in White

	Part Number	Type	Style	Color
 SRB19BLY	BEST SELLER SRB19BLY	Strain Relief Bar	Extended	Black
	BEST SELLER SRB19D5BL		Deep	
	SRB19D7BL		Multi-Depth	
 CPATCBL	SRB19MDBL	Mounting Bracket	Quick Release	Black
	SRBBRKT			
 CPAF1BLY	CPATCBL	Transitional Cover	Angled	White
	CPATCWH			
	CPAF1BLY	Filler Panel		Black
	CPAF2BLY			White
	CPAF1WH			
	CPAF2WH			

Identification Products



Part Number	Description
MP300/E	Includes MP300/E printer, one (1) cassette of S100X150VAM self-laminating labels, rechargeable Li-ion Battery Pack, hard carrying case, AC power adapter, USB cable, magnetic attachments and quick reference card.
MP100/E	Includes MP100/E printer, protective impact bumper, 1 cassette of T100X000VPM-BK continuous vinyl tape, AC power adapter, USB cable, and quick reference card.

Labeling Software

- Powerful, easy-to-use, and affordable software that provides innovative features and functionality to address unique labeling needs
- Quickly create simple or complex labels with text boxes, lines, frames, or tables, and other useful tools
- Design detailed labels with multiple zones and objects for applications such as rating plates, arc flash labels, and fiber optic enclosures
- Simple user interface shows labels on the screen as they will be printed



Part Number	Description
EMPLUS-CD	Easy-Mark Plus™ Labeling Software, CD-ROM.
EMPLUS-DL	Easy-Mark Plus™ Labeling Software, online download.
EMPLUS-2GO	Easy-Mark Plus™ Portable Application, USB flash drive.
EMPLUS-SERVER	Easy-Mark Plus™ Labeling Software, networkable server based version.

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Identification Products (continued)

MP300/E Printer / Label Cassettes

- Fast-loading Label Cassette includes both label material and ribbon to make changing labels easy
- Innovative label design allows labels to rotate for visibility from any angle, and for repositioning on the wire/cable to align legends and improve aesthetics

- Labels can be easily installed on existing terminated wires and assemblies without disconnecting the wires/cables



Polymer Film (V1)



-40° F to 200° F (-40° C to 93° C)



Part Number	Description	Quantity of Labels per Cassette	Printer Compatibility		Print-On Area Color	Width In.	Length		Print-On Area Height In.	Min. Cable O.D. In.	Max. Cable O.D. In.	Wire/Cable Size Range
			MP100	MP300			In.	In.				
R100X150V1M	MP Cassette, Turn-Tell Self-Laminating Label, Vinyl.	100	N	Y	Black on White	1	1.5		0.5	0.22	0.28	10 – 6 AWG wire/cable, Category 5e/6/6A UTP and Category 5e FTP cable
R100X225V1M		75					2.25		0.75	0.28	0.39	8– 4 AWG wire/cable, Category 6 FTP and Category 6A cable
S100X150VAM		175					1.5		0.5	0.16	0.32	Category 5e, Category 6
S100X225VAM		125					2.25		0.75	0.24	0.48	8 - 4 AWG



Part Number	Description	Quantity of Labels per Cassette	Printer Compatibility		Print-On Area Color	Width		Length
			MP100	MP300		In.	In.	
C195X040Y1M	MP Cassette, Comp Label, Non-Ahdesive Polyester.	125	N	Y	Black on White	1.95	0.4	0.35
C261X035Y1M		100				2.61	0.35	



Part Number	Description	Printer Compatibility		Color	Width		Length	
		MP100	MP300		In.	mm	Ft.	m
T038X000VPM-BK	MP Cassette, Continuous Tape, Vinyl.	Y	Y	Black on White	0.354	9	23	7
T100X000VPM-BK					0.945	24		

PanTher™ Hand-Held Label Printing System

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

LS8EQ-KIT-ACE

Part Number	Description	Std. Pkg. Qty.	Std. Ctn. Qty.
BEST SELLER LS8EQ-KIT-ACE	PanTher™ Hand-Held Label Printing System in kit. Includes LS8EQ Hand-Held Thermal Transfer Printer with QWERTY keypad kit, the LS8E-ACE 100–240 VAC power adapter for Europe along with the hand-held printer, PANTHERLINK software, one cassette of S100X150VAC self-laminating labels, six AA alkaline batteries, the LS8-CASE rigid carrying case, the LS8-PCKIT USB cable and PC interface software, the LS8-IB protective impact bumper, the LS8-WS wrist strap, a quick reference card, and an operator's manual.	1	2
C252X030FJC	Modular patch panel (CP) adhesive label cassette.	1	10
S100X150VAC	P1 cassette, self-laminating label, vinyl, 1.00" W x 1.50" H, 0.50" POA, Clear/White.	1	10
R100X150V1C	Turn-Tell™ Patch Cord Label Cassette.	1	10

Laser/Ink Jet Labels



Part Number	Print-On Area Color	Width In.	Length In.	Print-On Area Height In.	Min. Cable O.D. In.	Max. Cable O.D. In.	Wire Range	Labels Per Row	Labels Per Sheet
R100X150X1J	White	1	1.5	0.5	0.22	0.28	Category 5e UTP, Category 6 UTP, Category 6A UTP, Category 5e FTP, 10 – 6 AWG	6	24
R100X225X1J			2.25	0.75	0.28	0.39	Category 6 FTP, Category 6A UTP, Category 6A FTP, 8 - 4 AWG		18
BEST SELLER S100X150YAJ			1.5	0.5	0.16	0.32	Category 5e UTP, Category 6 UTP, Category 6A UTP, Category 5e FTP, 10 – 6 AWG	7	42
BEST SELLER S100X225YAJ			2.25	0.75	0.24	0.48	Category 6 FTP, Category 6A UTP, Category 6A FTP, 8 - 4 AWG	8	32

TDP Printer / Labels



Part Number	Description
BEST SELLER TDP43ME/E-KIT	300 dpi printer; kit includes printer, Panduit™ Easy-Mark Plus™ Labeling Software, RMEH4BL hybrid black ribbon, an AC power adapter with EuroPlug cord, a USB cable, a user manual, a quick start card, a TDP43ME-CASE, a driver disk, and one roll of S100X150VATY labels..

Part Number	Print-On Area Color	Width In.	Length In.	Print-On Area Height In.	Min. Cable O.D. In.	Max. Cable O.D. In.	Wire Range	Labels Per Row
BEST SELLER R100X150V1T	White	1	1.5	0.5	0.22	0.28	Category 5e UTP, Category 6 UTP, Category 6A UTP	4
R100X225V1T			2.25	0.75	0.28	0.39	Category 6 FTP, Category 6A UTP, Category 6A FTP, 8 – 4 AWG	
BEST SELLER S100X150VATY			1.5	0.5	0.16	0.32	Category 5e UTP, Category 6 UTP, Category 6A UTP, Category 5e FTP, 10 – 6 AWG	
BEST SELLER S100X225VATY			2.25	0.75	0.24	0.48	Category 6 FTP, Category 6A UTP, Category 6A FTP, 8 – 4 AWG	

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

SmartKeeper Security Devices

- Panduit SmartKeeper Blockout Devices protect connections from unauthorized access, dust and debris or damage caused by foreign objects
- Mount flush with the opening and do not interfere with adjoining connections
- Accommodate a variety of applications where RJ45 connections are present
- Unique mechanism can only be unlocked with the special master key



SKRJ45RD-X



SKUSBA-V



SKUSBC



SKMKEY

				Std. Pkg. Qty.	Std. Ctn. Qty.
Part Number	Description	Color	Type		
SKRJ45RD-X	SmartKeeper RJ45 Blockout Device	Red	Flush	1	10
SKUSBA-V	SmartKeeper USB Type A Blockout Device			1	5
SKUSBC	Smartkeeper USB Type C blockout device			1	1
SKMKEY	SmartKeeper Master Key	—		1	1

RJ45 Plug Lock-In Device

- Blocks unauthorized removal of patch cord, VoIP phone, other networking equipment or critical connection
- Compact design does not interfere with adjacent jack modules, including high density applications
- Requires key to lock and unlock
- Locking mechanism is White for standard and clear for recessed devices



PSL-DCPLE-BL



PSL-DCPLRE-C

Part Number	Type	Color	Number of Keys
PSL-DCPLE	Standard	Red	1
PSL-DCPLE-BL		Black	
PSL-DCPLE-C		Red	5
PSL-DCPLRE	Recessed	Red	1
PSL-DCPLRE-BL		Black	
PSL-DCPLRE-C		Red	5

RJ45 Jack Blockout Device

- Saves time and money by blocking unauthorized access and protecting jacks from foreign objects
- Compatible with most RJ45 jacks and does not interfere with jack contacts
- Does not interfere with adjacent jacks or hardware
- Requires key to remove



PSL-DCJB-BU

Part Number	Type	Color	Number of Keys
PSL-DCJB	RJ45	Red	1
PSL-DCJB-BL		Black	
PSL-DCJB-BU		Blue	
PSL-DCJB-C		Red	5

Patch Cord Color Bands

- Removable band snaps on and off individual cables allowing the same patch cord to be used for different applications
- Can be installed next to each other allowing multiple color bands to be used on one cable, offering endless color coding options
- Internal grooves secure color bands in place on cable providing easy identification at the connection
- Available in ten standard colors that match Panduit connectivity and provide an aesthetically pleasing solution
- Compatible with all Panduit patch cords including 28 AWG patch cords
- Existing and new installations can be color-coded as networks change



PCBANDBU-Q



PCBANDRD-Q



PCBANDIG-Q

Part Number	Part Description	Color	Std. Pkg. Qty.
PCBANDBL-Q	Snaps onto individual patch cable for additional color-coding.	Black	25
PCBANDBU-Q		Blue	
PCBANDWH-Q		White	
PCBANDEI-Q		Electric Ivory	
PCBANDIG-Q		International Gray	
PCBANDOR-Q		Orange	
PCBANDRD-Q		Red	
PCBANDGR-Q		Green	
PCBANDYL-Q		Yellow	
PCBANDVL-Q		Violet	

Patch cords available on page B.6.

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

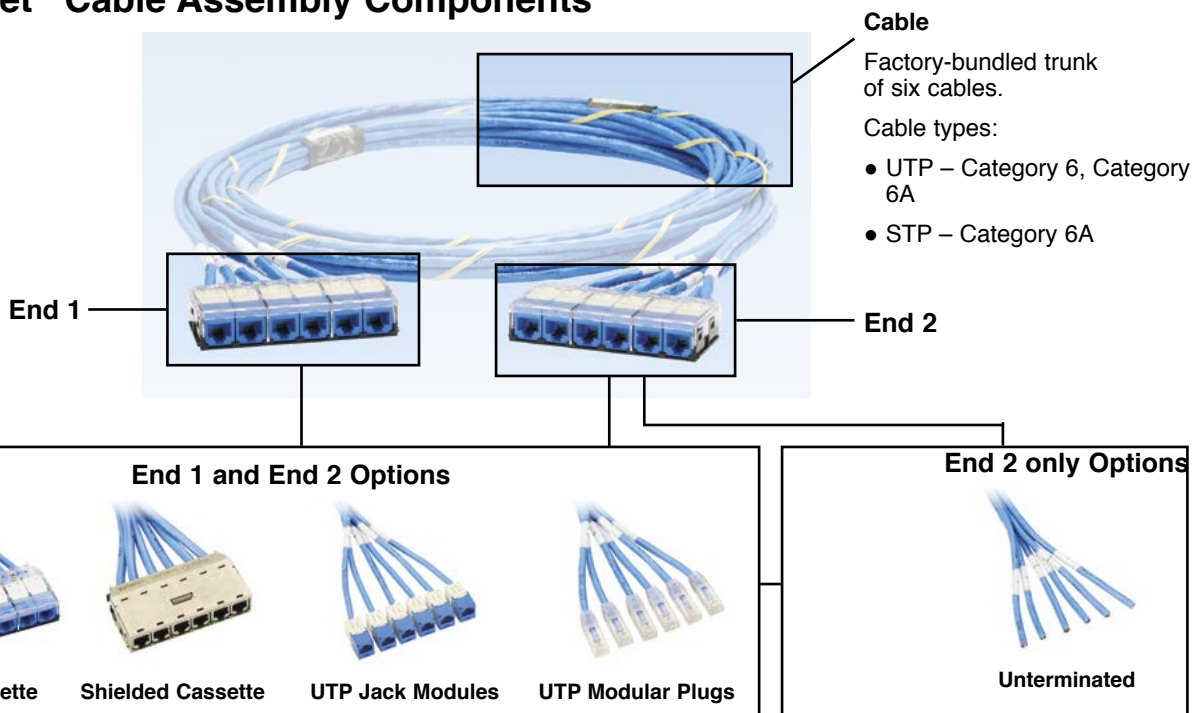
I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

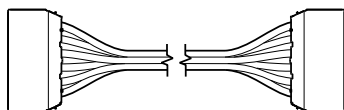
L.
Part
Number
Index

QuickNet™ Cable Assembly Components



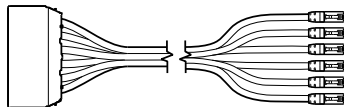
Common QuickNet™ Cable Assembly Configurations

Cassette to Cassette



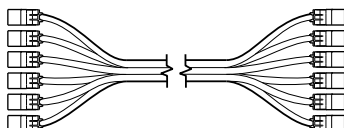
- Cassette of six jack modules on both ends of assembly
- Typically used in cabinet-to-cabinet permanent link trunks
- Installs into QuickNet™ Patch Panels on both ends in common interconnect and cross connect architectures, with cassette enabling quick installation into panels
- The most common QuickNet™ Configuration for permanent link trunks
- QuickNet™ Standard Parts for the Americas: UTP cassette-cassette, blue cable, blue jack modules

Cassette to Plug



- Similar configuration as above, but with six loose modular plugs
- Typically used for in-cabinet or cabinet-to-cabinet equipment cord harnesses
- Installs into QuickNet™ Patch Panels on one end and switch ports on the other for switch port replication applications

Jack to Jack



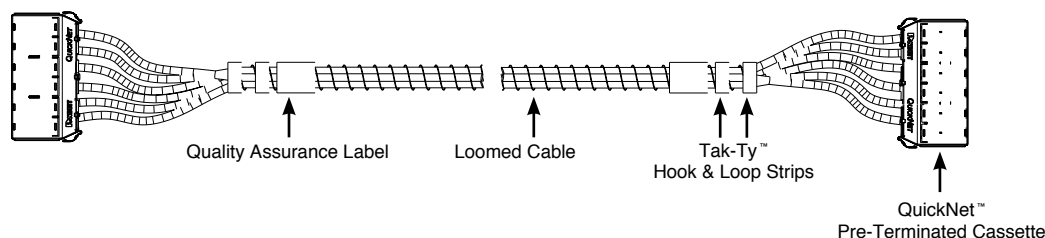
- Six loose jack modules on both ends of assembly
- Typically used in cabinet-to-cabinet permanent link trunks
- Installs into Mini-Com™ Modular Patch Panels (or QuickNet™ Patch Panels with panel adapters) on both ends in common interconnect and cross connect architectures
- Compatible with PViQ™ and PanView™ Intelligent Modular Patching Systems



**Like what you see...
and want more?**

For more QuickNet™ Trunk options, visit
www.panduit.com/configure-copper-trunk.

QuickNet™ Trunks



Like what you see...and want more?

For more QuickNet™ Trunk options, visit www.panduit.com/configure-copper-trunk.

Direct Attach Passive Cable Assemblies

- Ideal for Top of Rack (ToR) switch to server applications
- Passive connection provides a low cost, short reach interconnect option without additional power requirements
- 100% performance tested
- Low profile latching mechanism in connector allows assemblies to be installed side by side or stacked on top of each other providing maximum port density in high-density installations
- Small diameter cable design enables superior cable management and improved air flow
- Robust strain relief boot provides proper bend radius control for consistent reliability
- Variety of standard lengths allow more precise deployment, improved cable management and cost efficiencies

SFP+ 10 Gb/s Assemblies

Constructed with high-speed, 2-pair, twinaxial cable, factory terminated to SFP+ 10 Gb/s hot pluggable modular connectors



Part Number	AWG	Color	Length m
PSF1PZA1MBL	30	Black	1
PSF1PZA1.5MBL			1.5
PSF1PZA2.5MBL			2.5
PSF1PZA3MBL			3
PSF1PZC3.5MBL	26		3.5
PSF1PZC4MBL			4
PSF1PZC5MBL			5

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Direct Attach Passive Cable Assemblies (continued)

SFP28 25 Gb/s Assemblies

Constructed with high-speed, 2-pair, twinaxial cable, factory terminated to SFP28 25 Gb/s hot pluggable modular connectors



Part Number	AWG	Color	Length m
PSF2PZA1MBL	30	Black	1
PSF2PZA1.5MBL			1.5
PSF2PZA2MBL			2
PSF2PZA2.5MBL			2.5
PSF2PZA3MBL			3
PSF2PZC3.5MBL	26	Black	3.5
PSF2PZC4MBL			4
PSF2PZC5MBL			5

QSFP28 100Gb/s Assemblies

Constructed with high-speed, 4-pair, twinaxial cable, factory terminated to QSFP28 100 Gb/s hot pluggable modular connectors



Part Number	AWG	Color	Length m
PQSFPXA1MBL	30	Black	1
PQSFPXA2MBL			2
PQSFPXA3MBL			3
PQSFPXC4MBL	26	Black	4
PQSFPXC5MBL			5

QSFP28 to SFP28 Breakout Assemblies

Constructed with high-speed, 4-pair, twinaxial cable, factory terminated to QSFP28 100 Gb/s and 4x25 Gb/s SFP28 hot pluggable modular connectors



Part Number	AWG	Color	Length m
PHQ4SFP2A1MBL	30	Black	1
PHQ4SFP2A2MBL			2
PHQ4SFP2A3MBL			3
PHQ4SFP2C4MBL	26	Black	4
PHQ4SFP2C5MBL			5

QuickNet™ Patch Panels and Accessories

- Accept QuickNet™ Copper Cable Assemblies and QuickNet™ SFQ Series MTP Fiber Optic Cassettes which snap in and out with one hand
- High-density patch panels conserve valuable rack space
- Angled patch panels facilitate proper bend radius control and minimize the need for horizontal cable managers
- All metal patch panels accept shielded cassettes, no additional grounding kit required
- Pre-printed numbers above each port for easy identification
- Mount to standard EIA 19" racks or 23" racks with optional extender brackets



QPP24BL



QPP48HDBL



QAPP24BL



QAPP48HDBL



QSP24BL



QASP24BL



QASP48HDBL



QPPABL



QPPBBL

Part Number	Ports	No. of Rack Spaces	Style
-------------	-------	--------------------	-------

QuickNet™ Unshielded Patch Panels

QPP24**	24	1	Flat
QPP48HD**	48		
QAPP24**	24		Angled*
QAPP48HD**	48		

QuickNet™ Shielded Patch Panels

QSP24**	24	1	Flat
QSP48HD**	48		
QASP24**	24		Angled*
QASP48HD**	48		

**Colors available: Black (BL), White (WH).

*Patented Design

QuickNet™ Accessories

Part Number	Description
QPPABL	QuickNet™ Patch Panel Adapter which accepts Mini-Com™ Modules for UTP, fiber optic, and audio/visual applications.
QPPBBL	QuickNet™ Patch Panel Blank reserves space for future use and promotes proper airflow and cooling.

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Mini-Com™ Faceplates



CFPUKS2SAWY



CFP86S4IWY



CM6CSSAW-X



CM6CESSAW-X



CFPE3AWY

Part Number	Description	Std. Pkg. Qty.	Std. Ctn. Qty.
UK Faceplates			
CFPUKS2SAWY	86mm x 86mm single gang faceplate frame and one 1/2-size sloped shuttered module insert.	1	10
CFPUKS4SAW-2GY	86mm x 146mm double gang faceplate frame and two 1/2-sized sloped shuttered module inserts.	1	10
CFPL86F2SAW	86mm x 86mm single gang shuttered faceplate with label and icon slots. Accepts up to two Mini-Com™ Modules. A two-piece design conceals the two M4.0-0.7x25mm panhead mounting screws.	1	10
CFPL86F4SAW	Mini Com 86mm x 86mm flat shuttered faceplate, accepts four Mini-Com™ Modules. Includes two M4.0-0.7x25mm panhead mounting screws.	1	10
CFPUKS2BAWY	86mm x 86mm single gang faceplate holds up to two Mini-Com™ Modules. Supplied with CMB blank module.	1	10
CFP86S4IWY	Mini Com™ 86mm x 86mm sloped faceplate, accepts four Mini-Com™ modules, includes screw covers.	1	10
CFP86S2IWY	86mm x 86mm faceplate accepts two Mini-Com™ Modules. The faceplate has a sloped design to improve bend radius and screw covers to conceal the mounting screws. The faceplate can be identified with an adhesive label.	1	10

UK Adapters

CM6CSAW-X	Shuttered module snaps into standard UK LJU6C floor box mounting plates, faceplates and patch panels. Holds one Mini-Com™ Module. Compatible with standard UK LJU6C openings with 22.3mm x 36.9mm dimensions.	10	50
CM6CSSAW-X	Sloped shuttered module snaps into standard UK LJU6C floor box mounting plates, faceplates and patch panels. Holds one Mini-Com™ Module. Compatible with standard UK LJU6C openings with 22.3mm x 36.9mm dimensions.	10	50
CM6CESAW-X	Shuttered Euro-mod adapter accepts one Mini-Com™ Module (25mm x 50mm).	10	50
CM6CESSAW-X	Sloped shuttered Euro-mod adapter accepts one Mini-Com™ Module (25mm x 50mm).	10	50

German Faceplates

CFPE3AWY	80mm x 80mm faceplate frame and one 55mm x 55mm sloped faceplate accepts up to three Mini-Com™ Modules. Supplied with mounting screws, metal mounting plate, label and label cover.	1	10
CHES2AWY	Mini-Com™ 50mm x 50mm sloped faceplate, accepts two Mini-Com™ modules, includes mounting screws, metal mounting plate, label and label cover.	1	10
CHES3AWY	55mm x 55mm sloped faceplate holds up to three Mini-Com™ Modules. Supplied with mounting screws, metal mounting plate, label and label cover.	1	10
FCFPAW	80mm x 80mm faceplate frame accepts all Panduit 50mm x 50mm adapters and the CHES3AWY adapter.	1	10

Mini-Com™ Faceplates (continued)



CFPFF2AW



CFPFS1SAW



CFPFLS1SAW



CFP4IW



CBTAL1BL-X

Part Number	Description	Std. Pkg. Qty.	Std. Ctn. Qty.
French Faceplates			
CFPFF2AW	45mm x 45mm adapter with one 1/2-size flat module insert accepts two Mini-Com™ Modules.	1	10
CFPFS2AW	45mm x 45mm adapter with one 1/2-size sloped module insert accepts two Mini-Com™ Modules.	1	10
CFPFS1SAW	45mm x 45mm adapter with one 1/2-size sloped shuttered insert. Accepts one Mini-Com™ Module.	1	10
CFPFS2SAW	45mm x 45mm adapter with one 1/2-size sloped shuttered module insert accepts up to two Mini-Com™ Modules.	1	10
CFPFLS1SAW	45mm x 45mm adapter with one-port sloped shuttered module with labels and icon slots. Accepts a single Mini-Com™ Module.	1	10
CFPFLS2SAW	45mm x 45mm adapter with two-port sloped shuttered module with labels and icon slots. Accepts up to two Mini-Com™ Modules.	1	10
CFP45LS2SAW	45mm x 45mm adapter with one 1/2-size sloped shuttered module insert with label and label cover. Accepts up to two Mini-Com™ Modules.	1	10
French Adapter			
CFA1FSAW-X	Accepts a single Mini-Com™ Module, 22.5mm x 45mm shuttered adapter.	10	50
Italian Faceplates			
CFPH2IW	Single gang horizontal faceplate accepts two Mini-Com™ Modules.	1	10
CFP4IW	Single gang horizontal faceplate accepts four Mini-Com™ Modules.	1	10
CFPHSL4IW	Single gang sloped horizontal faceplate accepts four Mini-Com™ Modules. Includes label and label cover.	1	10
Italian Adapters			
CBTA1BL-X	Adapter accepts one Mini-Com™ Module for Bticino** Living International series faceplates.	10	50
Denmark Faceplates			
CFD66S2SEW	Mini-Com™ 2-position Sloped Shuttered OPUS 66^^ Adapter holds up to two Mini-Com™ Modules. Compatible with in-wall and surface mount installations.	1	10

*Playbus is a trademark of Gewiss S.p.

**Living International and Light are trademarks of Bticino S.p.A.

^Clic'Line is a trademark of Schneider Electric.

^^OPUS 66 is a trademark of Schneider Electric.



Mini-Com™ Blank Modules

- Occupies unused ports for future use



CMBBL-X

Part Number	Description	Color
BEST SELLER CMBBL-X	Reserves a one module space for future use in Mini-Com™ Patch Panels, Faceplates, and Surface Mount Boxes.	Black
BEST SELLER CMBWH-X		White
CMBIW-X		Off White

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index



Mini-Com™ Surface Mount Boxes

- Accept Mini-Com™ Modules for STP and UTP, fiber optic, and audio/video
- Replacement label/label covers available where applicable
- Mount easily with supplied mounting screws, adhesive tape or optional magnet
- Multimedia boxes include built-in fiber spool
- For shuttered applications use shuttered jacks



CBXQ1AW-A



CBXQ2AW-A



CBXQ4AW-A



CBXQ6IW-A

Part Number	Description	Std. Pkg. Qty.	Std. Ctn. Qty.
CBXQ1**-A	Mini-Com™ Surface Mount Box accepts one Mini-Com™ Module. Includes quick release cover, cable ties and adhesive backing.	1	10
CBXQ2**-A	Mini-Com™ Surface Mount Box accepts two Mini-Com™ Modules. Includes quick release cover. Supplied with cable ties, adhesive backing, label and label cover.	1	10
CBXQ4**-A	Mini-Com™ Surface Mount Box accepts four Mini-Com™ Modules. Includes quick release cover. Supplied with cable ties, adhesive backing, label and label cover.	1	10
CBXQ6**-A	Mini-Com™ Surface Mount Box accepts six Mini-Com™ Modules. Includes quick release cover. Supplied with cable ties, adhesive backing, label and label cover.	1	10

Additional colors available. Contact Panduit Customer Service or check www.panduit.com for additional information.

Above Floor Raceways



AFR4BCBL6

Part Number	Description	Std. Pkg. Qty.	Std. Ctn. Qty.
AFR4BCBL6	Six foot above floor raceway base and cover, Black.	1	—
AFR4JB2SBL	Above floor raceway, power rated two-piece snap together junction box, Black.	1	10
AFR4TRT70BL	Above floor raceway, transition fitting from above floor raceway to T70, Black.	1	10
AFR4RABL	Above floor raceway, right angle fitting, Black.	1	10
AFR4CCBL	Above floor raceway, coupler fitting, Black.	1	10
AFR4ECBL	Above floor raceway, end cap fitting, Black.	1	10

Table of Contents

OptiCam™ Fiber Optic Connectors	C.2 – C.3
Fusion Splice Fiber Optic Connectors	C.3
OptiCam™ 2 Termination Tool	C.4
Opti-Core™ Fiber Optic Cable	C.5 – C.7
Fiber Optic Adapters and Modules	C.8
HD Flex™ Enclosures, Panels and Accessories	C.9
HD Flex™ Fiber Optic Cassettes	C.9 – C.12
HD Flex™ Adapter Panel and Accessories	C.12 – C.13
HD Fusion Splicing Enclosure and Accessories	C.13
Opticom™ QuickNet™ Enclosures	C.14 – C.15
Opticom™ Rack Mount Fiber Trays/Drawers	C.15 – C.16
Opticom™ Fiber Adapter Patch Panels	C.16
Opticom™ QuickNet™ MPO Fiber Optic Cassettes	C.16 – C.17
Opticom™ Fiber Optic Splice Cassettes	C.17
Opticom™ MPO Fiber Optic Adapter Panels (FAPs)	C.18
Opticom™ LC Fiber Adapter Panels (FAPs)	C.19
Opticom™ Accessories and Splice Solutions	C.20
QuickNet™ Patch Panels	C.21
QuickNet™ SFQ MPO Fiber Optic Cassettes	C.21
QuickNet™ SFQ 4-to-1 Conversion Cassettes	C.21
QuickNet™ MPO Fiber Adapter Panels (FAPs)	C.22
Fiber Optic Interconnect Assemblies	C.23
Active Optical Cable (AOC) Assemblies	C.24
Fiber Optic Trunk Cable Assemblies	C.25
Fiber Optic Harness Assemblies	C.25
Fiber Optic Patch Cord and Pigtail Assemblies	C.26 – C.27

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

OptiCam™ LC Fiber Optic Connectors- Pre-Polished Cam Termination

- TIA/EIA-604 FOCIS-10 compliant connectors
- Exceed ANSI/TIA-568.3-D requirements
- Connector backbone and boot colors follow ANSI/TIA-568.3-D suggested color identification scheme
- Insertion loss: 0.3 dB average (multimode and singlemode)
- Return loss: >26 dB (multimode), >20 dB (multimode), >50 dB (singlemode)
- Quick installation; provide field termination in less than half the time of the field polish connectors
- Patented re-termination capability provide yield rates approaching 100%
- Factory pre-polished fiber end face eliminates time-consuming field polishing to reduce installation costs, labor, scrap and the number of tools required
- Cam activated fiber and buffer clamp mechanisms provide superior fiber and buffer retention- less sensitivity to fiber tensile loading
- OptiCam™ 2 Termination Tool simplifies tooling and termination, and virtually eliminates operator error by providing calculated insertion loss after the cam step has been completed
- Fiber cable size: accepts 900µm tight buffered fiber with included boot(s); accepts 1.6mm-2.0mm and 3.0mm jacketed cable with available OptiCam™ Cable Retention Boot Assemblies
- Ferrule type: 1.25mm zirconia ceramic (highest durability for repeated matings) to meet a variety of application requirements
- Use OptiCam™ 2 Termination Kit (FOCTT2-KIT; FOCTT2-BKIT2; FOCTT2-PKIT2)



FLCDMCXAQY



FLCSSCBUY

Part Number	Cable Type	Connector Variant	Fiber Type	Cable Color
BEST SELLER FLCDMCXAQY	Duplex	Multimode	OM3/OM4/OM5	Aqua
FLCDSCBUY		Singlemode	OS1/OS2	Blue
FLCSMC5BLY	Simplex	Multimode	OM2	Black
FLCSMC6EIY			OM1	Electric Ivory
BEST SELLER FLCSMCXAQY			OM3/OM4/OM5	Aqua
BEST SELLER FLCSSCBUY		Singlemode	OS1/OS2	Blue

OptiCam™ SC/ST Fiber Optic Connectors- Pre-Polished Cam Termination

- TIA/EIA-604 FOCIS-3 (SC) and FOCIS-2 (ST) compliant connectors
- Exceed ANSI/TIA-568.3-D requirements
- Connector boot colors follow ANSI/TIA-568.3-D suggested color identification scheme
- Insertion loss: 0.3 dB average (multimode and singlemode)
- Return loss: >26 dB (multimode), >20 dB (multimode), >50 dB (singlemode)
- Quick installation; provide field termination in less than half the time of the field polish connectors
- Patented re-termination capability provide yield rates approaching 100%
- Factory pre-polished fiber end face eliminates time-consuming field polishing to reduce installation costs, labor, scrap and the number of tools required
- Cam activated fiber and buffer clamp mechanisms provide superior fiber and buffer retention- less sensitivity to fiber tensile loading
- OptiCam™ 2 Termination Tool simplifies tooling and termination, and virtually eliminates operator error by providing visual indication of proper termination after the cam step has been completed
- Fiber cable size: accepts 900µm tight buffered fiber with included boot(s); accepts 1.6mm-2.0mm and 3.0mm jacketed cable with available OptiCam™ Cable Retention Boot Assemblies
- Ferrule type: 2.5mm zirconia ceramic (highest durability for repeated mating) to meet a variety of application requirements
- Use OptiCam™ 2 Termination Kit (FOCTT2-KIT; FOCTT2-BKIT2; FOCTT2-PKIT2)



FSC2MCXAQ



FST2MC6EI

Part Number	Cable Type	Connector Variant	Fiber Type	Cable Color
FSC2MC6EI	Simplex	Multimode	OM1	Electric Ivory
FSC2MCXAQ			OM3/OM4/OM5	Aqua
FSC2SCBU		Singlemode	OS1/OS2	Blue
FST2MC6EI		Multimode	OM1	Electric Ivory
FST2SCBU		Singlemode	OS1/OS2	Blue

Fiber Optic Connectors - Fusion Splice

- TIA/EIA-604 FOCIS-3 (SC) and FOCIS-10 (LC) compliant connectors
- Exceed ANSI/TIA-568.3-D requirements
- Connector boot colors follow ANSI/TIA-568.3-D suggested color identification scheme
- Insertion loss: Singlemode is 0.15 dB average, 0.30 dB maximum; Multimode is 0.10 dB average, 0.25 dB maximum
- Return loss: Singlemode is > 55 dB (UPC) or > 65 dB (APC); multimode is > 30 dB (PC)
- Quick installation; provide field termination in less than half the time of the field polish connectors



FLCS2/9SOCU9BU

Part Number	Connector Type	Cable Type	Connector Variant	Fiber Type	Boot Color
FSCS2/9SOCA9AG	SC	Simplex	Singlemode	OS1/OS2	Green
FSCS2/9SOCU9BU					Blue
FSCS2/9SOPXAQ			Multimode	OM3/OM4/OM5	Aqua
FLCS2/9SOCA9AG	LC		Singlemode	OS1/OS2	Green
FLCS2/9SOCU9BU					Aqua
FLCS2/9SOPXAQ			Multimode	OM3/OM4/OM5	Blue

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

OptiCam™ 2 Termination Tool

- Provides accurate calculated connector insertion loss with pass/fail thresholds in accordance with ANSI/TIA-568.3-D
- LCD Display with on-screen directions for three step termination process
- Wireless enabled for synchronization with Connect-It mobile app, allowing rich data analytics and project documentation
- Works with all current Panduit OptiCam™ LC, Keyed LC, SC, and ST Connectors



FOCTT2-BKIT2



FOCTT2-PKIT2

Part Number	Description
FOCTT2-KIT	OptiCam™ 2 Termination Tool Basics Kit.
FOCTT2-BKIT2	OptiCam™ 2 Termination Tool Kit with beaver-tail style cleaver.
FOCTT2-PKIT2	OptiCam™ 2 Termination Tool Kit with precision rotary-style cleaver.
FOLPC-1.25SM	Replacement 1.25mm ferrule launch cord for singlemode LC terminations (Singlemode).
FOLPC-1.25MM	Replacement 1.25mm ferrule launch cord for multimode LC terminations (OM1, OM2, OM3/OM4/OM5 Multimode).
FOLPC-2.5SM	Replacement 2.5mm ferrule launch cord for singlemode SC and ST terminations (Singlemode).
FOLPC-2.5MM	Replacement 2.5mm ferrule launch cord for multimode SC and ST terminations (OM1, OM2, OM3/OM4/OM5 Multimode).
FSPCVR	Precision fiber cleaver with rotary blade, receptacle for scrap stubs, cleave counter.
FOCTT2CORD	OptiCam™ 2 Termination Tool Data Cord.
FOSTFH	Fiber Optic Strip Tool (Five Hole).

OptiCam™ Accessories



FLCCLIW-X

Part Number	Description
FLCCLIW-X	Ten fiber LC connector lock-in clips and one removal tool.
FO6CB	Fan out 6-fibers.
FO12CB	Fan out 12-fibers.
F250BT-C	Build-up tubing for 250µm cable.
FCLEANSOL	Fiber cleaning solution.
FCLEANWIPE	Fiber cleaning wipes.

Opti-Core™ Fiber Optic Indoor Distribution Cable

- Used in intrabuilding backbone, building backbone, and horizontal installations
- Available in 4, 6, 8, 12 and 24-fiber counts in a “single jacket” design, and in 36, 48, 72 and 96-fiber counts in a sub-unit design
- Sheath markings provide positive identification, quality, traceability, and length verification
- Cable design and flexible buffer tubes allow for quick breakout and ease of routing
- 900mm standards-based color-coded buffer coating protects fibers during handling and allows for easy identification and stripping



FADC06-37

Part Number	Cable Construction	EuroClass	Available Fiber Types	Available Fiber Counts
Indoor, All Dielectric				
FAIC%02-40	2.9mm Duplex (Zipcord), 900um Tight Buffered	Eca	OS2, OM3, OM4	2
FAEC^^-40	Distribution, Sub-unitized, 900um Tight Buffered	Eca	OS2, OM3, OM4	48, 72, 96
FADC^^-37	Distribution, 900um Tight Buffered	Dca-s2-d2-a1	OS2, OM3, OM4	2, 4, 6, 8, 12, 24
FADC^^-24		Cca-s1a-d1-a1	OS2, OM3, OM4	

Replace % with fibre type: 9 = 9um OS2 singlemode, X = 50um OM3 multimode, Z = 50um OM4 multimode, W = 50um OM5 multimode.

Replace ^^ with available fibre count: 02 = 2 fibres, 04 = 4 fibres, 06 = 6 fibres, 08 = 8 fibres, 12 = 12 fibres, 24 = 24 fibres, 48 = 48 fibres, 72 = 72 fibres, 96 = 96 fibres. 1A = 144 fibres

Opti-Core™ Fiber Optic Indoor-Outdoor, All Dielectric

- For indoor and outdoor applications including data centers and routing between telecommunications rooms; can be installed in ducts and on trays
- Eliminates the need for building entrance transition point
- All-dielectric cable construction requires no grounding or bonding
- UV resistant cable sheathing for harsh outdoor environments
- Dry water-blocking technology allows rapid cable preparation and termination for lower termination costs and time (no messy gel)
- Sheath markings provide positive identification, quality, traceability, and length verification
- 900µm buffer coating protects fibers during handling and allows for ease of stripping



FAKC912-40



FANCZ36-40

Part Number	Cable Construction	EuroClass	Available Fiber Types	Available Fiber Counts
Indoor-Outdoor, All Dielectric				
FAKC^^-40	Indoor-Outdoor, 900um Tight Buffered (Gel-free)	Eca	OS2, OM3, OM4	2, 4, 6, 8, 12, 24
FAKC^^-24		Cca-s1a-d1-a1	OS2, OM3, OM4, OM5*	
FACC^^-40	Indoor-Outdoor, 250um Loose Tube (Gel-Filled Central Tube)	Eca	OS2, OM3, OM4	4, 6, 8, 12, 24
FACC^^-24		Cca-s1a-d1-a1	OS2, OM3, OM4, OM5*	
FACC^^-14		B2ca-s1a-d1-a1	OS2, OM4	
FANC^^-40	Indoor-Outdoor, 250um Loose Tube (Gel-Filled Stranded Tube)	Eca	OS2, OM3, OM4	48, 72, 96, 144
FANC^^-24		Cca-s1a-d1-a1	OS2, OM3, OM4	
FANC^^-14		B2ca-s1a-d1-a1	OS2, OM4	

Replace % with fibre type: 9 = 9um OS2 singlemode, X = 50um OM3 multimode, Z = 50um OM4 multimode, W = 50um OM5 multimode.

Replace ^^ with available fibre count: 02 = 2 fibres, 04 = 4 fibres, 06 = 6 fibres, 08 = 8 fibres, 12 = 12 fibres, 24 = 24 fibres, 48 = 48 fibres, 72 = 72 fibres, 96 = 96 fibres. 1A = 144 fibres

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Opti-Core™ Fiber Optic Indoor/Outdoor Steel Armour Cable

- Corrugated steel tape armour eliminates the need for inner duct or conduit to provide a smaller crush resistant pathway, improved design flexibility, and lower installed cost
- Loose tubes are gel-filled for superior water-blocking
- High density design can be used indoors or outdoors; suitable for duct applications and entrance facilities
- UV resistant cable sheathing for harsh outdoor environments
- Central tube design available with 4, 6, 8, 12 or 24 fibers; Stranded tube design available with 36, 48, 72, 96 or 144 fibers



FAGC912-40

Part Number	Cable Construction	EuroClass	Available Fiber Types	Available Fiber Counts
-------------	--------------------	-----------	-----------------------	------------------------

Indoor-Outdoor with Corrugated Steel Tape Armour

FAGC%^^-40	Indoor-Outdoor Armoured, 250um Loose Tube (Gel-Filled Central Tube)	Eca	OS2, OM3, OM4	4, 6, 8, 12, 24
FAGC%^^-14		B2ca-s1a-d1-a1	OS2, OM4	
FAMC%^^-40	Indoor-Outdoor Armoured, 250um Loose Tube (Gel-Filled Stranded Tube)	Eca	OS2, OM3, OM4	48, 72, 96, 144
FAMC%^^-24		Cca-s1a-d1-a1	OS2, OM3, OM4	
FAMC%^^-14		B2ca-s1a-d1-a1	OS2, OM4	

Replace % with fibre type: 9 = 9um OS2 singlemode, X = 50um OM3 multimode, Z = 50um OM4 multimode, W = 50um OM5 multimode.

Replace ^^ with available fibre count: 02 = 2 fibres, 04 = 4 fibres, 06 = 6 fibres, 08 = 8 fibres, 12 = 12 fibres, 24 = 24 fibres, 48 = 48 fibres, 72 = 72 fibres, 96 = 96 fibres. 1A = 144 fibres

Opti-Core™ Fiber Optic Outside Plant Armored Cable (Gel-Filled)

- Allows installation using loose tube cable methods in harsh outdoor environments
- Loose tubes are gel-filled for superior water-blocking
- Corrugated steel armor provides superior crush resistance and rodent protection for extended durability
- UV resistant cable sheathing resists degradation due to sunlight exposure
- Complies with ISO/IEC 11801, IEC 60794 and EN 50173
- Single armor single jacket version available with central tube design and 4 to 24 fibers
- Single armor double jacket version available with stranded tube design and 2 to 144 fibers
- Medium density polyethylene jacket provides low friction installation
- Sheath markings provide positive identification, quality, traceability, and length verification
- 250µm coating protects fibers during handling and allows for ease of stripping



FPQN948B



FQTNZ36

Part Number	Cable Construction	EuroClass	Available Fiber Types	Available Fiber Counts
-------------	--------------------	-----------	-----------------------	------------------------

Outside Plant, All-Dielectric and Corrugated Steel Tape Armoured

FPUN9^^	Outside Plant, 250um Loose Tube (Gel-Filled Central Tube)	Fca	OS2	4, 6, 8, 12, 24
FQUN%^^			OM4	
FPTN9^^	Outside Plant, 250um Loose Tube (Gel-Filled Stranded Tube)		OS2	48, 72, 96, 144
FQTN%^^^			OM4	
FPSN9^^	Outside Plant, 250um Loose Tube (Gel-Filled Central Tube)		OS2	4, 6, 8, 12, 24
FQSN%^^^	Single Armour, Single Jacket		OM4	
FPQN%^^^B	Outside Plant, 250um Loose Tube (Gel-Filled Stranded Tube)		OS2	4, 6, 8, 12, 24, 48, 72, 96, 144
FQQN%^^^B	Single Armour, Double Jacket		OM4	

Replace % with fibre type: 9 = 9um OS2 singlemode, X = 50um OM3 multimode, Z = 50um OM4 multimode, W = 50um OM5 multimode.

Replace ^^ with available fibre count: 02 = 2 fibres, 04 = 4 fibres, 06 = 6 fibres, 08 = 8 fibres, 12 = 12 fibres, 24 = 24 fibres, 48 = 48 fibres, 72 = 72 fibres, 96 = 96 fibres. 1A = 144 fibres

Opti-Core™ High Count Ribbon Fiber Optic Cable

- Ribbonized fibers for easy mass fusion splicing and termination with 12-fiber MPO style connectors
- Contains 144 to 864 singlemode fibers
- Very small outer diameter
- Suitable for indoor-outdoor use and flame rated to comply with riser, low smoke zero halogen, and EuroClass standards
- Robust, flexible, and all-dielectric construction
- Suitable for a variety of applications including data centers, colocation facilities, service providers, and central offices
- Typically installed on ladder rack and used with termination frames. May also be used in ducts.
- Meets all or portions of Telcordia GR-409, ICEA-S-83-696, ICEA-S-104-696, ICEA-S-115-730, and TIA-568
- UL 1666 (riser), IEC 60332-1-2 (vertical flame), IEC 60754-2 (acid gas), IEC 61034-2 (smoke density), EN 50575 EuroClass CPR



Part Number	Cable Construction	EuroClass	Available Fiber Types	Available Fiber Counts
High Count Ribbon Fiber Cables				
FFDCBF144-14F	Indoor Distribution, LSZH CPR, Flat Ribbon, FT	B2ca-s1a-d1-a1	Singlemode	144
FFDDBF144-18M	Indoor Distribution, OFNR LSZH CPR, Flat Ribbon, MT	B2ca-s1a-d0-a1		144
FFCDBX144-28M	Indoor-Outdoor, OFNR LSZH CPR, Flexible Ribbon, MT	Ca-s1a-d0-a1		144
FFCCBX288-24F	Indoor-Outdoor, LSZH CPR, Flexible Ribbon, FT	Cca-s1a-d1-a1		288
FFCDBX288-28M	Indoor-Outdoor, OFNR LSZH CPR, Flexible Ribbon, MT	Cca-s1a-d0-a1		288

Replace % with fibre type: 9 = 9um OS2 singlemode, X = 50um OM3 multimode, Z = 50um OM4 multimode, W = 50um OM5 multimode.

Replace ^^ with available fibre count: 02 = 2 fibres, 04 = 4 fibres, 06 = 6 fibres, 08 = 8 fibres, 12 = 12 fibres, 24 = 24 fibres, 48 = 48 fibres, 72 = 72 fibres, 96 = 96 fibres. 1A = 144 fibres

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Fiber Optic Adapters

- TIA/EIA-604 FOCIS-10 compatible adapters
- Exceed ANSI/TIA-568.3-D requirements
- Adapter housing colors follow ANSI/TIA-568.3-D suggested color identification scheme
- Accept FOCIS-10 compatible LC connectors



FADSLCZAQ-L



FADSLCZBU-L

Part Number	Adapter Type	Color	Split Sleeve
BEST SELLER FADSLCZAQ-L	Duplex LC	Aqua	Zirconia
BEST SELLER FADSLCZBU-L		Blue	

Mini-Com™ Fiber Optic Adapter Modules

- TIA/EIA-604 FOCIS-10 and FOCIS-3 compatible adapters
- Exceed ANSI/TIA-568.3-D requirements
- Adapter housing colors follow ANSI/TIA-568.3-D suggested color identification scheme
- Small form factor (SFF) duplex adapter design fits into single module space
- Compatible with Mini-Com™ Products for complete modularity
- Accept FOCIS-10 compatible LC connectors and FOCIS-3 compatible SC connectors



CMDSAQLCZBL



CMDSLCZBU

Part Number	Adapter Type	Adapter Color	Split Sleeve	Module Color
BEST SELLER CMDSAQLCZBL	Duplex LC	Aqua	Zirconia	Black
CMDSAGLCZBL	Duplex LC APC	Green		
CMDSLCZBL	Duplex LC	Blue		
BEST SELLER CMDSLCZBU				Blue
CMDSLCZEI				Electric Ivory
CMDAQSCZBL	Duplex SC	Aqua		Black
CMDBUSCZBL		Blue		
CMDAGSCZBL	Duplex SC APC	Green		
CMSAQSCZBL	Simplex SC	Aqua		
CMSBUSCZBL		Blue		
CMSAGSCZBL	Simplex SC APC	Green		

HD Flex™ Enclosures, Panels and Accessories

- Enclosures and panels support 144-fibers with LC connectors and 864-fiber with MPO-12 connectors per RU
- Enclosure drawers slide to two locked positions for easy moves, adds, and changes from the front or rear of the enclosure
- Enclosure split tray design allows half of the tray to operate independently, eliminating unnecessary fiber movement on the other half of the tray
- Panels are fixed tray design, light weight, and shallow depth - ideal for high density cabinets or overhead installation
- 4-, 6-, and 12-port enclosures and panels ship pre-configured to house 4-, 6-, and 12-port cassettes, respectively
- Enclosures and panels can be configured in the field to support 4-port, 6-port, and/or 12-port cassettes by adding/removing divider rails
- Zero RU brackets secure HD Flex™ Cassettes and/or FAPs to vertical rails, saving valuable RU space



FLEX4U04



FLEX1UPN04



FLEX1U06



FLEX1UPN06



FLEX-0RUBR06



FLEX1U12



FLEX1UPN12

Part Number	No. of Rack Spaces	Type	Cassette/FAP Openings	Color
FLEX1U04	1	4-Port Enclosure	18	Black
FLEX2U04	2		36	
FLEX4U04	4		72	
FLEX1UPN04	1	4-Port Panel	18	
FLEX2UPN04	2		36	
FLEX4UPN04	4		72	
BEST SELLER FLEX1U06**	1	6-Port Enclosure	12	Black **Add WH for White
BEST SELLER FLEX2U06**	2		24	
FLEX4U06**	4		48	
FLEX1UPN06**	1	6-Port Panel	12	
FLEX2UPN06**	2		24	
FLEX4UPN06**	4		48	
FLEX1U12	1	12-Port Enclosure	6	Black
FLEX2U12	2		12	
FLEX4U12	4		24	
FLEX1UPN12	1	12-Port Panel	6	
FLEX2UPN12	2		12	
FLEX4UPN12	4		24	
FLEX-0RUBR06**	0	6-Port Bracket and Cassette Holder	2	Black **Add WH for White

HD Flex™ Raised Floor Enclosure



FLEX-ZRFEG

Part Number	Description
FLEX-ZRFECG	HD Flex™ Zone Raised Floor Enclosure Cover, Gray.
FLEX-ZRFEG	HD Flex™ Zone Raised Floor Enclosure, Gray.

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

HD Flex™ Fiber Optic Cassettes

- Compatible with HD Flex™ Rack Mount Enclosures, Panels, and Zero RU Brackets
- LC adapters include integral shutters for dust protection and VFL light identification
- Low insertion loss of 0.5 dB per optimized cassette, 0.35 dB for ultra cassette, and 0.75 dB for standard singlemode cassette
- Return loss >26 dB (multimode) and >55 dB (singlemode)
- Adapter housing colors follow ANSI/TIA-568.3-D suggested color identification scheme
- Cassettes accessible from the front or back to streamline installation and migration from 10G to 40G/100G and beyond
- Performance test data provided with each cassette
- Lifetime traceability of test data to a QC numbers on each fiber cassette
- 4-to-1 conversion cassettes split MPO parallel optics signals into 4 discrete channels on duplex LCs - 40G MPO to (4)10G LC, and 100G MPO to (4) 25G LC



FHC9N-12-10AF



FHCZO-12-10AS



FHCXO-24-10U

Part Number	Fiber Type	Fiber Count	No. of MPOs	No. of Duplex LCs	Performance	Polarity
HD Flex™ LC/MPO Cassettes						
FHC9N-12-10AF	OS2	12	1x12f	6	Standard	Modified Method A (Pair Flipped)
FHC9N-12-10AS						Method A
FHC9N-12-10U						Universal
FHCXO-12-10AF	OM3				Optimized	Modified Method A (Pair Flipped)
FHCXO-12-10AS						Method A
FHCXO-12-10U						Universal
FHCZA-12-10AF	OM4			Ultra	Modified Method A (Pair Flipped)	
BEST SELLER FHCZA-12-10AS					Method A	
FHCZA-12-10U					Universal	
FHCZO-12-10AF				Optimized	Modified Method A (Pair Flipped)	
FHCZO-12-10AS					Method A	
FHCZO-12-10U					Universal	
FHCSA-12-10U				OM4+		Ultra	Method B
FHCWA-12-10BN	OM5					
FHC9N-24-10AF	OS2	24	2x12f	12	Standard	Modified Method A (Pair Flipped)
FHC9N-24-10AS						Method A
FHC9N-24-10U						Universal
FHCXO-24-10U	OM3				Optimized	Method B
BEST SELLER FHCZO-24-10BN	OM4					Universal
FHCZO-24-10U						
FHCSA-24-10U	OM4+			Ultra	Method B	
FHCWA-24-10BN	OM5					

HD Flex™ Fiber Optic Cassettes (continued)

HD Flex™ CS/MPO Cassettes



FHC9N-16-C2U

Part Number	Fiber Type	No. of Rear MPOs	Fiber Count	No. of Front Duplex CS	Performance	Polarity
FHC9N-16-C2U	OS2	(2) 8F MPO	16	(8) CS	Standard	Universal
FHC9N-16F-C2U		(1) 24F MPO		(8) CS		
FHC9N-36-C3U		(3) 12F MPO	36	(18) CS		
FHCZO-16-C2U	OM4	(2) 8F MPO	16	(8) CS	Optimized	
FHCZO-16F-C2U		(1) 24F MPO		(8) CS		
FHCZO-36-C3U		(3) 12F MPO	36	(18) CS		



FHC3ZA-08H-10B



FHC39N-08-10A



FHC39N-24H-10A



FHCXO-24F-10A

HD Flex™ 4-to-1 Conversion Cassettes

Part Number	Fiber Type	Fiber Count	No. of Rear MPOs	No. of Front Duplex LCs	Performance	Polarity
FHC3XO-08H-10B	OM3	8	1x8f	4	Optimized	Method B/Universal
FHC3ZA-08H-10B	OM4				Ultra	
FHC39N-08H-10A	OS2				Standard	Method A
FHC3XO-08-10B	OM3	8	1x8f	4	Optimized	Method B/Universal
FHC3ZA-08-10B	OM4				Ultra	
FHC39N-08-10A	OS2				Standard	Method A
FHC3XO-24H-10B	OM3	24	3x8f	12	Optimized	Method B/Universal
FHC3ZA-24H-10B	OM4				Ultra	
FHC39N-24H-10A	OS2				Standard	Method A

100GBASE-SR10 and SR12 Breakout Cassettes

BEST SELLER	FHCXO-24F-10A	OM3	24	1x24f	12	Optimized	Method A
BEST SELLER	FHCZO-24F-10A	OM4					
BEST SELLER	FHC9N-24F-10A	OS2					

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

HD Flex™ Fiber Optic Cassettes (continued)



FH4ZU-48-NMNMA

HD Flex™ Dark Fiber Conversion Cassette

Part Number	Fiber Type	Fiber Count	No. of Rear MPOs	No. of Front MPOs	Performance	Polarity
FH4ZU-24-NMNMA	OM4	24	2x12f	3x8f	Ultra	Method A
FH4ZU-24-NMNMB						Method B
FH4ZU-48-NMNMA		48	4x12f	6x8f		Method A



FHSZO-12-10R

HD Flex™ Splice Cassettes

Part Number	Fiber Type	Fiber Count	Pigtail	No. of Duplex LCs	Performance
FHSZO-12-10P	OM4	12	250µm Pigtails	6	Optimized
FHSZO-12-10R			Ribbon		
FHS9N-12-10P	OS2		250µm Pigtails		Standard
FHS9N-12-10R			Ribbon		

HD Flex™ Adapter Panel and Accessories



FHSXN-12-10N



FHMP-6-ABL



FHSBBL06W



FLEX-FCM1UA



FLEX-PLATE1U

Part Number	Description
FHSXN-12-10N	6 LC duplex multimode adapters in aqua with zirconia sleeves.
FHS9N-12-10N	6 LC duplex singlemode adapters in blue with zirconia sleeves.
FHMP-6-ABL	6 MPO type A adapters (key-up to key-down) in black.
FHMP-6-BCG	6 MPO type B adapters (key-up to key-up) in charcoal gray.
FHMP-6-ARD	6 MPO type A adapters (key-up to key-down) in red.
FHSBBL06W	HD Flex™ Blanking Panel for 6-port enclosures and panels.
FHSBBL12W	HD Flex™ Blanking Panel for 12-port enclosures and panels.
FLEX-FCM1UA**	1 RU HD Flex™ Front Cable Manager.
FLEX-FCM2UA**	2 RU HD Flex™ Front Cable Manager.
FLEX-FCM4UA**	4 RU HD Flex™ Front Cable Manager.
BEST SELLER FLEX-PLATE1U**	HD Flex™ Enclosure Trunk Slack Plate 1 RU.
FLEX-PLATE2U**	HD Flex™ Enclosure Trunk Slack Plate 2 RU.
FLEX-PLATE4U**	HD Flex™ Enclosure Trunk Slack Plate 4 RU.

**Offered in White (add WH to part number for White).

HD Flex™ Adapter Panel and Accessories (continued)



FLEX-CLIP12



FLEX-CM12S



FLEX-CM-1UB

Part Number	Description
FLEX-PLATE1UR*	HD Flex™ Enclosure Trunk Slack Plate with Rear Cover – 1 RU.
FLEX-PLATE2UR*	HD Flex™ Enclosure Trunk Slack Plate with Rear Cover – 2 RU.
FLEX-PLATE4UR*	HD Flex™ Enclosure Trunk Slack Plate with Rear Cover – 4 RU.
FLEX-PLATE1UPR*	HD Flex™ Patch Panel Trunk Slack Plate with Rear Cover – 1 RU.
FLEX-PLATE2UPR*	HD Flex™ Patch Panel Trunk Slack Plate with Rear Cover – 2 RU.
FLEX-PLATE4UPR*	HD Flex™ Patch Panel Trunk Slack Plate with Rear Cover – 4 RU.
FLEX-CLIP12	HD Flex™ Trunk Transition Clip (quantity 2); 12 position.
FLEX-CM12S	HD Flex™ Universal Rear Cable Manager includes (2) FLEX-CLIP12.
FLEX-CM-1UB	HD Flex™ Universal Expandable Cable Management Bracket (front to back of cabinet or 4 post rack).
FLEX-CM-1UBKIT	HD Flex™ Cable Management 1 RU Universal Bracket 19" Kit (2 FLEX-CM-1UB and horizontal strain relief bar).

*Offered in White (add W to part number for White).

HD Fusion Splicing Enclosure and Accessories



FRMHSS-4RU



FWMHSSGS-3456



FWMHSSGS-6912

Part Number	Description
FRMHSS-4RU	HD Fusion - fiber rack mount hyperscale splicing solution 4 RU that can splice up to 576 single fibers and 864 ribbon fibers. Splice trays sold separately.
FWMHSSGS-3456	Fiber Wall Mount Hyper Scale Splicing Enclosure With Split Doors, Gray, 3456 Fibers.
FWMHSSGS-6912	Fiber Wall Mount Hyper Scale Splicing Enclosure With Split Doors, Gray, 6912 Fibers.
FWMHSS-CG3448	Cable gland, 34mm x 48mm.
FWMHSS-CG613	Cable gland, 6mm x 13.9mm.
FST48	Fiber splice tray kit for up to 48 mechanical or fusion splices for use in Panduit FRMHSS-4RU.
FST144R	Fiber splice tray kit for up to 144 ribbon fusion splices for use in Panduit FRMHSS-4RU.
FWMHSS-CG1321	Cable gland, 13mm x 21mm.
FWMHSS-CG2135	Cable gland, 21mm x 35mm.
FWMHSSG-12X32	Fiber Wall Mount Enclosure, Top and Side Covers with 12 x 32mm openings, Gray.
FWMHSSG-GROUND	Fiber Wall Mount Enclosure Grounding Bracket, Gray.
FWMHSSG-ICB	Fiber Wall Mount Enclosure Incoming Cable Bracket Kit, Gray.
FWMHSSG-ICP	Fiber Wall Mount Enclosure Incoming Cable Plate Kit, Gray.
FWMHSSG-STOR	Fiber Wall Mount Enclosure Storage Box, Gray.
FWMHSS-ICAK	Fiber Wall Mount Enclosure Incoming Cable Anchor Kit.

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Opticom™ QuickNet™ Rack Mount Fiber Cassette Enclosures

- Support up to 96 LC fiber connections per RU
- Mount to standard 19" rack rails
- Hold QuickNet™ Fiber Optic Cassettes for Opticom™ Fiber Adapter Panels
- Suitable for all pre-terminated, field-terminated, or field-splice applications
- Slide-out, tilt-down drawer provides full front access to all fibers and cables
- Integral bend radius control and cable management for fiber patch cords
- Innovative rear cable management for proper slacking/spooling
- Multiple cable entry locations



FCE1U



FCE2U



FCE4U

Part Number	Description	Cassette/FAP/FOSM Openings
BEST SELLER FCE1U**	Rack mount fiber enclosure 1 RU, with sliding/tilt drawers.	4
FCE1UA**	Rack mount fiber enclosure 1 RU, open access.	
BEST SELLER FCE2U**	Rack mount fiber enclosure 2 RU, with sliding/tilt drawers.	8
BEST SELLER FCE4U**	Rack mount fiber enclosure 4 RU, with sliding/tilt drawers.	12

**Offered in White (add WH to part number for White).

Opticom™ QuickNet™ Rack Mount Fiber Enclosures

- Supports up to 96 LC fiber connections per RU
- Mount to standard 19" or 23" EIA rack or cabinet
- Hold QuickNet™ or Opticom™ Fiber Adapter Panels (FAPs)
- Front and rear access on all models via durable molded-hinge doors
- Integral bend radius control and cable management for fiber patch cords
- Multiple trunk cable entry locations
- Include fiber optic cable routing kit (grommets, cable ties, saddle clips, strain relief bracket, and ID/caution labels) for various cable management solutions
- Extends 4.9" from rack



FRME1U



FRME3



FRME2U



FRME4

Part Number	No. of Rack Spaces	Cassette/FAP/FOSM Openings
FRME1U	1	3
FRME2U	2	6
FRME3	3	9
FRME4	4	12

Opticom™ QuickNet™ Wall Mount Enclosures

- Holds Opticom™ Fiber Adapter Panels (FAP's)
- Rugged all metal construction for fiber protection and secure mounting
- Compact design allows installation in tight areas
- Separate doors for service side and user side with optional keyed locks for added security includes fiber optic routing kit (grommets, cable ties, spools, strain relief bracket and ID/caution labels) for various cable management solutions



FWME2

Part Number	FAP/FMP Openings
BEST SELLER FWME2	2
BEST SELLER FWME4	4
FWME8	8

Opticom™ Rack Mount Fiber Trays

- Supports up to 96 LC fiber connections per RU
- Mount to standard EIA 19" rack rails
- Use with Opticom™ Fiber Adapter Patch Panels (page C.18) to protect fibers and terminations
- Can be used as a back box for select Mini-Com™ Patch Panels
- Removable top cover provides access to connections, fibers, and slack storage in rear of tray
- Multiple trunk cable entry locations provided on rear and sides of enclosure
- Includes fiber optic cable routing kit (grommets, cable ties, spools, strain relief bracket and ID/caution labels) for various cable management solutions
- Utilizes accessory kit, FMTDKIT



FMT1



FMT2

Part Number	Description	Cassette/FAP/FMP Openings
Standard Fiber Mount Trays		
FMT1**	Mount with 1 CFAPPBL1 fiber adapter patch panel.	4
BEST SELLER FMT2	Mount with 2 CFAPPBL1 fiber adapter patch panels.	8

**Offered in White (add WH to part number for White).

Opticom™ Rack Mount Fiber Drawers



FMD1



FMD2

Part Number	Description
BEST SELLER FMD1	Rack Mount Fiber Drawer 1 RU.
BEST SELLER FMD2	Rack Mount Fiber Drawer 2 RU.
FMS1	Fiber Management Slack Spool Kit (2 Per Bag)
FD1W12AQDLCZ	Pre-loaded fiber drawer with 12 aqua OM3/OM4 duplex 50µm LC Adapters (Zirconia Sleeve).
FD1W12AQDSCZ	Pre-loaded fiber drawer with 12 aqua OM3/OM4 duplex 50µm SC Adapters (Zirconia Sleeve).
FD1W12BUDLCZ	Pre-loaded fiber drawer with 24 blue OS1/OS2 duplex 50µm LC Adapters (Zirconia Sleeve).
FD1W12BUDSCZ	Pre-loaded fiber drawer with 24 blue OS1/OS2 duplex 50µm LC Adapters (Zirconia Sleeve).
FD1W24AQDLCZ	Pre-loaded fiber drawer with 24 aqua OM3/OM4 duplex 50µm LC Adapters (Zirconia Sleeve).
FD1W24AQDSCZ	Pre-loaded fiber drawer with 24 aqua OM3/OM4 duplex 50µm SC Adapters (Zirconia Sleeve).
FD1W24BUDLCZ	Pre-loaded fiber drawer with 24 blue OS1/OS2 duplex 9µm LC Adapters (Zirconia Sleeve).
FD1W24BUDSCZ	Pre-loaded fiber drawer with 24 blue OS1/OS2 duplex 9µm SC Adapters (Zirconia Sleeve).

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

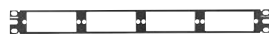
J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Opticom™ Fiber Adapter Patch Panels

- Mount to standard EIA 19" rack rails
- Standard version holds both QuickNet™ Fiber Optic Cassettes and Opticom™ Fiber Adapter Panels
- Use with Opticom™ Rack Mount Fiber Trays to protect fibers and terminations, see page C.18



CFAPPBL1



CFAPPBL2

Part Number	No. of Rack Spaces	Cassette/FAP/FMP Openings
-------------	--------------------	---------------------------

Standard Flat Fiber Adapter Patch Panels

CFAPPBL1	1	4
CFAPPBL2	2	8

Opticom™ QuickNet™ MPO Fiber Optic Cassettes

- Compatible with Opticom™ Rack Mount Cassette Enclosures, Wall Mount Enclosure, Fiber Trays, and Adapter Patch Panels
- Supports up to 96 LC fiber connections per RU
- Low insertion loss of 0.75 dB for standard cassette, 0.5 dB for optimized cassette, and 0.35 dB for ultra cassette
- Return loss >26 dB (multimode) and >55 dB (singlemode)
- Adapter housing colors follow ANSI/TIA-568.3-D suggested color scheme
- Factory terminated, assembled, and 100% tested
- Performance test data provided with each cassette
- Lifetime traceability of test data to a QC number on each fiber cassette
- 4-to-1 conversion cassettes split MPO parallel optics signals into 4 discrete channels on duplex LCs - 40G MPO to (4)10G LC, and 100G MPO to (4) 25G LC

Part Number	Fiber Type	Fiber Count	No. of MPOs	No. of Duplex LCs	Performance	Polarity
12 Fiber LC Cassettes						
FC29N-12-10AF	OS2	12	1x12f	6	Standard	Modified Method A (Pair Flipped)
FC29N-12-10AS						Method A
FC29N-12-10U						Universal
FC2SA-12-10U	Ultra				Method B End 1	
FC2WA-12-10B1					Method B End 2	
FC2WA-12-10B2						
FC2XN-12-10U	OM3			Standard	Universal	
FC2XO-12-10U				Optimized		
FC2ZA-12-10U	OM4			Ultra		
FC2ZN-12-10AS				Standard	Method A	
FC2ZO-12-10AF				Optimized	Modified Method A (Pair Flipped)	
FC2ZO-12-10AS					Method A	
FC2ZO-12-10U					Universal	



FC2XN-12-10U



FC2WA-12-10B1

Opticom™ QuickNet™ MPO Fiber Optic Cassettes (continued)



FC2XN-24-10U



FC29N-24-10AS

Part Number	Fiber Type	Fiber Count	Port Count	No. of MPOs	Performance	Polarity
24 Fiber LC Cassettes						
FC29N-24-10AF	OS2	24	2x12f	12	Standard	Modified Method A (Pair Flipped)
FC29N-24-10AS						Method A
FC29N-24-10U						Universal
FC2SA-24-10U	OM4+				Ultra	Method B End 1
FC2WA-24-10B1	OM5					Method B End 2
FC2WA-24-10B2						
FC2XN-24-10U	OM3				Standard	Universal
FC2XO-24-10U					Optimized	
FC2ZA-24-10U	OM4				Ultra	
FC2ZN-24-10AF					Standard	Modified Method A (Pair Flipped)
FC2ZN-24-10AS						Method A
FC2ZO-24-10AF					Standard	Modified Method A (Pair Flipped)
FC2ZO-24-10AS						Method A
FC2ZO-24-10U						Universal

Opticom™ Fiber Optic Splice Cassettes



FCS9N-12-10P

Part Number	Fiber Type	Pigtails	Connector	Performance
FCS9N-12-03P	OS2	250µm Pigtails	SC	Standard
FCS9N-12-03R		Ribbon		
FCS9N-12-10P		250µm Pigtails	LC	
FCS9N-12-10R		Ribbon		
FCSZO-12-10P	OM4	250µm Pigtails		Optimized

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

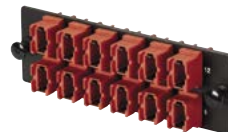
L.
Part
Number
Index

Opticom™ MPO Fiber Optic Adapter Panels (FAPs)

- Populated with TIA/EIA-604 FOCIS-5 compliant adapters
- Exceed ANSI/TIA-568.3-D requirements
- Designed for multimode or singlemode MPO connectors, patch cords, or cable assemblies
- Snap quickly into the front of all Opticom™ QuickNet™ Components
- Can be used with Opticom™ Zero RU Cable Management Solutions and QuickNet™ Harness Cable Assemblies to facilitate connection to the active equipment



FAPH0412BLMPO



FAPH1224RDMPO

Part Number	No. of Adapters	Adapter Type	Polarity	Color	Orientation
MPO Opticom™ Fiber Adapter Panels (FAPs)					
FAPH0412BLMPO	4	12f MPO	Method A, Key-Up/Key-Down	Black	Horizontal
FAPH0612BLMPO	6				
FAPH0812BLMPO	8				
FAPH1212BLMPO	12		Method B, Key-Up/Key-Up	Charcoal Gray	Horizontal
FAPH0412CGMPO	4				
FAPH0612CGMPO	6				
FAPH0812CGMPO	8	24f MPO	Method A, Key-Up/Key-Down	Red	Horizontal
FAPH1212CGMPO	12				
FAPH0424RDMPO	4				
FAPH0624RDMPO	6				
FAPH0824RDMPO	8				
FAPH1224RDMPO	12				

Opticom™ Fiber Adapter Panels (FAPs)

- Populated with TIA/EIA-604 FOCIS-10 or TIA/EIA-604 FOCIS-3 compatible adapters
- Exceed ANSI/TIA-568.3-D requirements
- Adapter housing colors follow ANSI/TIA-568.3-D suggested color identification scheme
- Snap quickly into the front of all Opticom™ Components



FAP12WAQDLCZ

Part Number	No. of Ports	Adapter Type	Color	Split Sleeve	Fibers
LC Fiber Adapter Panels					
BEST SELLER FAP6WAQDLCZ	6	Duplex LC	Aqua	Zirconia	12
FAP8WAQDLCZ	8				16
BEST SELLER FAP12WAQDLCZ	12				24
BEST SELLER FAP6WBUDLCZ	6		Blue		12
FAP8WBUDLCZ	8				16
BEST SELLER FAP12WBUDLCZ	12				24
FAP6WAGDLCZ	6	Duplex LC/ APC	Green		12
FAP12WAGDLCZ	12				Simplex LC	Blue	24
BEST SELLER FAP12WBULCZ					

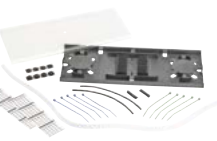
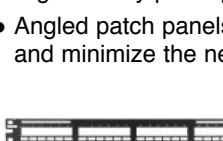


FAP6WAQDSCZ

SC Fiber Adapter Panels					
FAP3WAQDSCZ	3	Duplex SC	Aqua	Zirconia	6
FAP6WAQDSCZ	6				12
FAP3WBUDSCZ	3		Blue		6
FAP6WBUDSCZ	6				12
FAP3WAGDSCZ	3	Duplex SC/APC	Green		6
FAP6WAGDSCZ	6				12
FAP12WBUSCZ	12	Simplex SC	Blue		24
FAP12WAGSCZ	12	Simplex SC/APC	Green		

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

Opticom™ Accessories and Splice Solutions

A. Product Showcase B. Copper Systems C. Fiber Systems D. Industrial Networks E. Audio Video Systems F. Keystone Cabling Systems G. Cabinets, Thermal Mgmt, Racks, Enclosures & Cable Mgmt H. Power and Connectivity Management I. Cable Management Accessories J. Cable Routing Systems K. Cable Cleats L. Part Number Index	Part Number	Description
		Blank fiber adapter panel.
	FAPB	
		HD Flex™ Bracket Adapter for Opticom™ Enclosures houses 2 HD Flex™ Cassettes.
	FLEX-OPTI-1RU	
		Splice module holds and protects up to 24 fusion splices for use with Panduit Opticom™ Enclosures (see page C.17).
	FOSMF	
		Splice module holder 1 RU holds up to 4 FOSM splice modules for use with Panduit FCE1U or FCE1UA.
	FOSMH1U	
		Splice module holder 2 RU holds up to 8 FOSM splice modules for use with Panduit FCE2U.
	FOSMH2U	
		Splice module holder 4 RU holds up to 12 FOSM splice modules for use with Panduit FCE4U.
	FOSMH4U	
		Fiber splice tray kit for up to 24 mechanical or fusion splices or 144 ribbon fusion splices for use in Panduit FRME3 and FRME4.
	FST24	
		Fiber splice tray kit for up to 12 mechanical or fusion splices for use in Panduit FMT, FWME4 and FWME8.
	FST6	
		Stacking holder for FST6 holds and secures up to 4 FST6.
	FSTHE	
		Fiber splice tray kit for up to 6 mechanical or fusion splices for use in Panduit FWME2.
	FSTK	
		Stacking holder for FSTK holds and secures up to 2 FSTK.
	FSTHS	
		Fiber splice chip holder accommodates and protects up to 24 fusion splices for use with any Panduit™ Opticom™ Enclosure.
	FSC24	

QuickNet™ Patch Panels and Accessories

- Accept QuickNet™ Copper Cable Assemblies and QuickNet™ SFQ Series MTP Fiber Optic Cassettes which snap in and out with one hand
- High-density patch panels conserve valuable rack space
- Angled patch panels facilitate proper bend radius control and minimize the need for horizontal cable managers
- All metal patch panels accept shielded cassettes, no additional grounding kit required
- Pre-printed numbers above each port for easy identification
- Mount to standard EIA 19" racks or 23" racks with optional extender brackets



QPP24BL



QPP48HDBL



QAPP24BL



QAPP48HDBL



QSP24BL



QASP24BL



QASP48HDBL

Part Number	Ports	No. of Rack Spaces	Style
QuickNet™ Unshielded Patch Panels			
QPP24**	24	1	Flat
QPP48HD**	48		
QAPP24**	24		Angled*
QAPP48HD**	48		
QuickNet™ Shielded Patch Panels			
QSP24**	24	1	Flat
QSP48HD**	48		
QASP24**	24		Angled*
QASP48HD**	48		

**Colors available: Black (BL), White (WH).

**Colors available: Black (BL), White (WH).

QuickNet™ Patch Panels and Accessories



QuickNet™ Accessories

Part Number	Part Description
QPPABL	QuickNet™ Patch Panel Adapter which accepts Mini-Com™ Modules for UTP, fiber optic, and audio/visual applications.
QPPBBL	QuickNet™ Patch Panel Blank reserves space for future use and promotes proper airflow and cooling.

QuickNet™ SFQ MPO Fiber Optic Cassettes

- Compatible with QuickNet™ patch panels for up to 96 LC fiber connections in a single RU
- Low insertion loss of 0.75 dB for standard cassettes, 0.50 dB for optimized cassettes, and 0.35 dB for ultra cassettes
- Significantly reduce installation time and labor by eliminating field connector terminations
- Connect together with high-density female MPO cable assemblies/trunks to quickly deploy DC network segments
- Factory terminated, assembled and 100% tested
- Performance test data provided with each cassette
- Lifetime traceability of test data to a QC number on each fiber cassette



Part Number	Fiber Type	Fiber Count	No. of MPOs	No. of Duplex LCs	Performance	Polarity	
FQ9N-12-10AF	OS2	12	1x12f	6	Standard	Modified Method A (Pair Flipped)	
FQ9N-12-10AS						Method A	
FQ9N-12-10U						Universal	
FQSA-12-10U	OM4+				Ultra	Method B End 1	
FQWA-12-10B1	OM5					Method B End 2	
FQWA-12-10B2						Universal	
FQXO-12-10U	OM3				Optimized	Universal	
FQZN-12-10AF	OM4				Standard	Modified Method A (Pair Flipped)	
FQZN-12-10AS						Method A	
FQZO-12-10AF						Optimized	Modified Method A (Pair Flipped)
FQZO-12-10AS							Method A
FQZO-12-10U							Universal

QuickNet™ SFQ 4-to-1 Conversion Cassettes



Part Number	Fiber Type	Fiber Count	Port Count	No. of MPOs	No. of Duplex Connectors	Performance
BEST SELLER FQ3ZO-08-10B	OM4	8	4	1x12f	4	Optimized
BEST SELLER FQ39N-08-10A	OS2					Standard

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

QuickNet™ MPO Fiber Adapter Panels (FAPs)

- Factory assembled, and 100% tested
- Compatible with QuickNet™ Patch Panels
- Adapter housing colors follow ANSI/TIA-568.3-D suggested color identification scheme
- Significantly reduce installation time and labor by eliminating field connector terminations



FQMAP45BL



FQMAP65BL



FQMAP85RD

Part Number	No. of Adapters	Adapter Type	Polarity	Color
QuickNet™ MPO Fiber Adapter Panels (FAPs)				
FQMAP45BL	4	12f MPO	Method A, Key-Up/ Key-Down	Black
FQMAP65BL	6			
FQMAP85BL	8			
FQMAP46CG	4		Method B, Key-Up/ Key-Up	Charcoal Gray
FQMAP66CG	6			
FQMAP86CG	8			
FQMAP45RD	4	24f MPO	Method A, Key-Up/ Key-Down	Red
FQMAP65RD	6			
FQMAP85RD	8			



QPPABL



QPPBBL



FQCRCM

Part Number	Description
QuickNet™ Accessories	
QPPABL	QuickNet™ Patch Panel Adapter which accepts Mini-Com™ Modules facilitating the use of fiber, copper, and A/V in a single RU.
QPPBBL	QuickNet™ Patch Panel Blank reserves space for future use and promotes proper airflow and cooling.
FQCRCM	QuickNet™ Cassette Rear Cable Manager

Fiber Optic Interconnect Assemblies

- PanMPO™ Multimode and MPO Singlemode Interconnect Cable Assemblies are pre-terminated and 100% factory tested
- Test results are provided with each assembly
- The 3.0mm round interconnect cable provides high flexibility and tight bend radius for easy installation and cable management
- The PanMPO™ Connector allows rapid gender and polarity change in the field
- Meets or exceeds ANSI/TIA-568.3-D and TIA/EIA-604 (FOCIS-5)
- RoHS Compliant



FXTRL7N7NBNM003



F98RLGNGNANM003

Part Number	Fiber Type	Fiber Count	Connector Type	Performance/ Polarity	Length
8 and 12 Fiber Interconnects					
FXTRL7N7NBNM003	OM3	12	12f Female PanMPO to 12f Female PanMPO	Method B/ Optimized IL	3 meters
FZTRL7N7NBNM003	OM4	12	12f Female PanMPO to 12f Female PanMPO	Method B/ Optimized IL	
FWTRL7N7NKNM003	OM5			Method A/Ultra IL	
F98RLGNGNANM003	OS2	8	8f Female MPO to 8f Female MPO	Method A/ Standard IL	
F9TRL5N5NANM003		12	12f Female MPO to 12f Female MPO		



FXURLENENXNM003



F9URLENENANM003

Part Number	Fiber Type	Fiber Count	Connector Type	Performance/ Polarity	Length m
24 Fiber Interconnects					
FXURLENENXNM003	OM3	24	24f Female MPO to 24f Female MPO	Method A/ Optimized IL	3
FZURLENENXNM003	OM4				
F9URLENENANM003	OS2			Method A/ Standard IL	

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

A.
Product
Showcase

Active Optical Cable (AOC) Assemblies

- SFF-8419, SFF-8431, SFF-8432, SFF-8472, SFF-8636, SFF-8661, SFF-8679 compliant, so they are compatible with all active equipment with MSA compliant ports
- Small diameter cable, 3mm PVC rated jacket
- Can be used in a variety of applications including Leaf to Spine Switches and End of Row / Top of Rack Switch to Server
- Fiber features a smaller cable diameter for high density applications

B.
Copper
Systems

SFP28 to SFP28 Assemblies



Part Number	Fiber Type	Data Rate	Color	Length m***
AX23NS2S2AQM***	OM3	25G	Aqua	1 (001), 2 (002), 3 (003), 5 (005), 7 (007), 10 (010), 15 (015), 20 (020), 25 (025), 30 (030)

C.
Fiber
Systems

D.
Industrial
Networks

SFP+ to SFP+ Assemblies



Part Number	Fiber Type	Data Rate	Color	Length m***
AX23NSPSAQM***	OM3	10G	Aqua	1 (001), 2 (002), 3 (003), 5 (005), 7 (007), 10 (010), 15 (015), 20 (020), 25 (025), 30 (030)

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

QSFP+ to QSFP+ Assemblies



Part Number	Fiber Type	Data Rate	Color	Length m***
AX83NQPQAQM***	OM3	40G	Aqua	1 (001), 2 (002), 3 (003), 5 (005), 7 (007), 10 (010), 15 (015), 20 (020), 25 (025), 30 (030)

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

QSFP28 to QSFP28 Assemblies



Part Number	Fiber Type	Fiber Count	Performance/ Polarity	Length m***
AX83Q2Q2AQM***	OM4	100G	Aqua	1 (001), 2 (002), 3 (003), 5 (005), 7 (007), 10 (010), 15 (015), 20 (020), 25 (025), 30 (030)

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

QSFP+ to SFP+ Breakouts



Part Number	Fiber Type	Fiber Count	Performance/ Polarity	Length m***
AX83NQPSAQM***	OM3	40-4x10G	Aqua	1 (001), 2 (002), 3 (003), 5 (005), 7 (007), 10 (010), 15 (015), 20 (020), 25 (025), 30 (030)

J.
Cable
Routing
Systems

QSFP28 to SFP28 Breakouts



Part Number	Fiber Type	Fiber Count	Performance/ Polarity	Length m***
AZ83NQ2S2AQM***	OM4	100-4x25G	Aqua	1 (001), 2 (002), 3 (003), 5 (005), 7 (007), 10 (010), 15 (015), 20 (020), 25 (025), 30 (030)

K.
Cable
Cleats

L.
Part
Number
Index

Fiber Optic Trunk Cable Assemblies

- Small Diameter Trunk Cable Assemblies allow for rapid deployment of high-density permanent links
- Optimize cable routing requirements to ensure efficient use of pathway space
- Significantly reduce installation time and cost
- 100% factory tested
- Test results are provided with each trunk
- The PanMPO™ Connector allows for rapid gender and polarity change in the field
- ISO/IEC 11801, ANSI/TIA-568.3-D, TIA/EIA-604 (FOCIS-5), GR-409-CORE, ANSI/ICEA S-83-596-2016
- RoHS Complaint
- Standard 1 meter breakout length

HD Flex™ Indoor Small Diameter Trunks



FYZTL77Y001M003

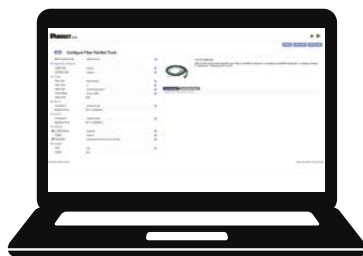
Part Number	Fiber Type	Fiber Count	Connector Type	Flame Rating	Polarity	Performance	Pulling Eye	Length, m		
FY9TL77A001M003	OS2	12	PanMPO Female with 1m breakout to PanMPO Female with 1m breakout	Low Smoke Zero Halogen (LSZH)	Polarity A	Standard IL	Pulling Eye End A	3		
FY9UL77A001M003		24								
FY9WL77A001M003		48								
FYXTL77Y001M003	OM3	12			Polarity B	Optimized IL				
FYXUL77Y001M003		24								
FYXWL77Y001M003		48								
FYZTL77Y001M003	OM4	12								
FYZUL77Y001M003		24								
FYZWL77Y001M003		48								

12 Fiber Indoor Trunk Pigtails



F91BN3NNNSNM001

Part Number	Fiber Type	Connector Type (with 18-inch breakout)	Performance	Pulling Eye	Length m
F91BN3NNNSNM001	OS2	LC Simplex to Pigtail	Standard IL	No Pulling Eye	1
FZ1BN3NNNSNM001	OM4	LC Simplex to Pigtail			



**Like what you see...
and want more?**

For more Fiber Trunk options, visit
www.panduit.com/configure-fiber-trunk.

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Fiber Optic Patch Cord and Pigtail Assemblies

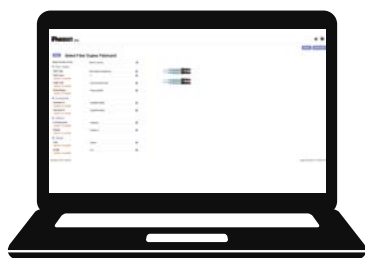
- Fiber optic patch cords and pigtails provide interconnect and cross-connect of applications over installations in entrance facilities, telecommunications rooms, data centers and at the desk
- Patch cords support network applications in main, horizontal and equipment distribution areas
- Pre-terminated fiber optic pigtails support fusion splice field termination applications. Fiber optic patch cords and pigtails are available in OM4, OM3, or OS2 fiber types
- Meets or exceeds ISO/IEC 11801, ANSI/TIA-568.3-D, TIA/EIA-604 (FOCIS-3 and FOCIS-10)
- Restriction of Hazardous Substances (RoHS) Compliance: All patch cord components meet the requirements of Directive 2002/95/EC

Zip Cords



Part Number	Fiber Type	Connector Type	Fiber Count	Jacket mm	Flame Rating	Performance	Length m
BEST SELLER FX2ELNLNSNM001	OM3	LC Duplex to LC Duplex	2	1.6	Low Smoke Zero Halogen (LSZH)	Standard IL	1
FX2ELNSNSNM001		LC Duplex to SC Duplex		3			
FX23LSNSNSNM001		SC Duplex to SC Duplex		1.6			
FZ2ELNLNSNM001	OM4	LC Duplex to LC Duplex	2	1.6			
FZ2ELNSNSNM001		LC Duplex to SC Duplex		3			
BEST SELLER FZ23LSNSNSNM001		SC Duplex to SC Duplex		1.6			
F92ELNLNSNM001	OS2	LC Duplex to LC Duplex	2	1.6			
F92ELNSNSNM001		LC Duplex to SC Duplex		3			
F92ELB1LNSNM001		LC/APC to LC Duplex		1.6			
F92ELB1B1SNM001		LC/APC to LC/APC		3			
F92ELB1SNSNM001		LC/APC to SC Duplex		1.6			
F923LSNSNSNM001		SC Duplex to SC Duplex		3			
F923LANSNSNM001		SC/APC Duplex to SC Duplex		1.6			
F923LANANSNM001		SC/APC Duplex to SC/APC Duplex		3			
F92ELANB1SNM001		SC/APC to LC/APC		1.6			

*All patch cords available in lengths 1 meter through 50 meters.



**Like what you see...
and want more?**

For more Fiber Patch Cord options, visit
www.panduit.com/configure-fiber-patch-cord.

Uniboot Patch Cords



Part Number	Fiber Type	Connector Type	Fiber Count	Jacket mm	Flame Rating	Performance	Length m*
FZ2RLU1U1ONM001	OM4	LC Uniboot to LC Uniboot	2	2	LSZH	Optimized IL	1
F92RLU1U1ONM001	OS2						
F92RLU2U2ONM001		LC/APC Uniboot to LC/APC Uniboot					

*All patch cords available in lengths 1 meter through 50 meters.

CS Connector Patch Cords



FZ2RPZNZNONM001

Part Number	Fiber Type	Connector Type	Fiber Count	Jacket mm	Flame Rating	Performance	Length m*
FZ2RLZNZNONM001	OM4	CS to CS	2	2	LSZH	Optimized IL	1
F92RLZNZNONM001	OS2						

*All patch cords available in lengths 1 meter through 50 meters.

Like what you see...and want more?

For more Fiber Patch Cord options, visit www.panduit.com/configure-fiber-patch-cord.

Pigtails



F91BN1NNNSNM001



F97BN1NNNSZM001

Part Number	Fiber Type	Connector Type	Fiber Count	Jacket	Flame Rating	Performance	Length m
FX1BN1NNNSNM001	OM3	LC to Pigtail	1	No Jacket	Not Rated	Standard IL	1
FXTBN1NNNSZM001			12				
FX1BN3NNNSNM001	OM4	SC Simplex to Pigtail	1				
FZ1BN1NNNSNM001			12				
FZ1BN3NNNSNM001	OS2	LC to Pigtail	1				2
F91BN1NNNSNM001			1				3
F91BN1NNNSNM002			6				1
F91BN1NNNSNM003			12				
F96BN1NNNSZM001		LC/APC to Pigtail	1				
F97BN1NNNSZM001			1				
F91BNB1NNNSNM001			1				
F91BN3NNNSNM001		SC Simplex to Pigtail					
F91BNANNSNM001		SC/APC to Pigtail					

Like what you see...and want more?

For more Fiber Pigtail options, visit www.panduit.com/configure-fiber-pigtail.

Notes

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Table of Contents

IndustrialNet™ Copper Cable.....	D.2
Indoor/Outdoor Dielectric Double Jacketed Fiber Cable	D.2
IndustrialNet™ RJ45 Copper Patch Cords	D.3
IndustrialNet™ Copper Connectors.....	D.3 – D.4
IndustrialNet™ Overmolded Cordsets.....	D.4 – D.5
Industrial Accessories	D.5
Pre-Configured Micro Data Center (MDC)	D.6
NEMA 4X Wireless Security Enclosure	D.6
Wireless Access Point Enclosures.....	D.6
Industrial Network Uninterruptible Power Supply (UPS)	D.7
Network Zone Systems	D.7
Pre-Configured Industrial Distribution Frames.....	D.8
Pre-Configured Industrial Distribution Frames with Access Control.....	D.8
IntraVUE™ Edge Software Appliance	D.8

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

IndustrialNet™ Copper Cable

- Cable has been tested by an independent laboratory and complies with the electrical standard requirements of ISO11801 and ANSI/TIA-568.2-D
- UL Approved
- Industrial rated cable for reliable performance in harsh environments
- Descending length cable markings enable easy identification of remaining cable which reduces installation time and cable scrap
- Packaged on a reel



ISFX5502ATL-LED



ISX6004AYL-LED

Part Number	Performance Level	AWG	Flame Rating	EuroClass	Type	Color	Length
ISX6004ARD-LED	Category 6	24	Flame Retardant, Halogen Free	Eca	4-Pair, S/FTP	Red	500m
ISX6004AYL-LED			CM UL1685	Fca	4-Pair, F/UTP	Yellow	
IFC6C04BBL-CEG	Category 5e	24	Flame Retardant, Halogen Free	Eca	4-Pair, SF/UTP	Black	1000ft
ISFX5502ATL-LED			Flame Retardant, Halogen Free	Eca	4-Pair, SF/UTP	Teal	500m

Indoor/Outdoor Dielectric Double Jacketed (DDJ) Fiber Cable



FOJDZ12 FSJD912

Part Number	Performance Level	Fiber Count	Description
FOJDZ12	OM4	12	50µm, Indoor/Outdoor DDJ cable, LSZH
FSJD912	OS2		9µm, Indoor/Outdoor DDJ cable, LSZH



IndustrialNet™ RJ45 Copper Patch Cords

- Patch cords have been tested by an independent laboratory and comply with the electrical standard requirements of IEC 60603-7 and ANSI/TIA-568.2-D
- Variant 1 bulkhead patch cords meet IP67 when mated to IP67 IndustrialNet™ Connectors
- Industrial rated patch cord for reliable performance in harsh environments
- Category 5e 600 V rated patch cords provide reliable performance for panel or on-machine applications when space is shared with 600 V high voltage power cables



ISTPSP5MBL



ISTPHCH3MTL

Part Number	Performance Level	AWG	Description	Color	Length m
ISTPH6X0.3MTL	Category 6A	26	Shielded, Stranded, SF/UTP, 600 V Patch Cord, RJ45 Plug to RJ45 Plug	Teal	0.3
ISTPH6X1MTL					1
ISTP6X2MBL			Shielded, Stranded, S/FTP Patch Cord with Caps	Black	2
ISTPH6X2MTL			Shielded, Stranded, SF/UTP, 600 V Patch Cord, RJ45 Plug to RJ45 Plug	Teal	
ISTPSP5MBL	Category 6		Shielded, Stranded, S/UTP Patch Cord. Includes Dust Caps	Black	5
ISTPHCH0.6MTL	Category 5e	24	Shielded, Stranded, SF/UTP, 600 V Patch Cord, RJ45 Plug to RJ45 Plug	Teal	0.6
BEST SELLER ISTPHCH1MTL					1
BEST SELLER ISTPHCH2MTL					2
ISTPHCH3MTL					3
BEST SELLER ISTPHCH5MTL					5
ISTPHCH10MTL					10

IndustrialNet™ Copper Connectors

- IP/NEMA/UL/CE rated to ensure reliable performance in harsh factory environments
- Extended temperature range provides durable connections in extreme conditions
- Factory terminated design assures reliability and saves time
- Optional RJ45 connector speeds deployment



ICAM12X90RJS



ISPS6A88MFA



IAEBH6XS



MPI588T

Part Number	Performance Level	Description
M12 Connectors		
ICAM12XRJS	Category 6A	M12 X-Code Shielded to RJ45 Industrial Adapter, Panel Mount.
ICAM12X90RJS		M12 X-Code Shielded to RJ45 Industrial Adapter, 90° Angle, Panel Mount.
ISPS6A88MFA		M12 X-Code Shielded Field Terminable Connector, Male.
ISPS5E44MFA	Category 5e	M12 D-Code Shielded Field Terminable Connector, Male.
ICAM12DRJS		M12 D-Code Shielded to RJ45 Industrial Adapter, Panel Mount.
Industrial Bulkhead Connector with Protective Cover		
IAEBH6X	Category 6A	Variant 1 IP67 RJ45 Connector.
IAEBH6XS		Shielded Variant 1 IP67 RJ45 Connector.
IAEBH6	Category 6	Variant 1 IP67 RJ45 Connector.
IAEBH6S		Shielded Variant 1 IP67 RJ45 Connector.
BEST SELLER MPI588T	Category 5e	Variant 1 IP67 Modular Plug.
MPSI588T		Shielded Variant 1 IP67 Modular Plug.
IAEBH5E		Variant 1 IP67 RJ45 Connector.
IAEBH5ES		Shielded Variant 1 IP67 RJ45 Connector.

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

IndustrialNet™ Copper Connectors (continued)

- IP/NEMA/UL/CE rated to ensure reliable performance in harsh factory environments
- Extended temperature range provides durable connections in extreme conditions
- Factory terminated design assures reliability and saves time
- Optional RJ45 connector speeds deployment



IAEBHC5E



IAEBHUSBAA

Part Number	Performance Level	Description
Industrial Bulkhead Coupler with Protective Cover		
IAEBHC6XS	Category 6A	Variant 1 IP67 RJ45 Coupler.
IAEBHC6	Category 6	
BEST SELLER IAEBHC5E	Category 5e	Shielded Variant 1 IP67 RJ45 Connector.
IAEBHC5ES		

Part Number	Description
Mini-Com™ Coupler Module	
IAEBHUSBAA	USB 2.0 Variant 1 IP67 Female A to Female A Coupler

IndustrialNet™ Overmolded Cordsets

- IP/NEMA/UL/CE rated to ensure reliable performance in harsh factory environments
- Extended temperature range provides durable connections in extreme conditions
- Factory terminated design assures reliability and saves time
- Rated to 10 million flex cycles
- TPE/TPU jackets protect cable, providing increased reliability in high-flex applications
- Optional RJ45 connector speeds deployment



ICA3E13P2BL1M



ICD11T1TL1M



ICD22T1NTL1M

Part Number	Pin	Termination End 1	Termination End 2	Jacket	Shielding	Color
A-Code						
ICA3E13P2BL1M	3	M8 Male Connector	M8 Female Connector	Polyurethane (PUR)	Unshielded	Black
ICA4E13P2BL1M	4					
ICA4T13P2BL1M		M12 Male Connector	M12 Female Connector			
ICA5T13P2BL1M	5					

D-Code, Category 5e, 600 V

ICD11T2NTL1M	4	M12 Male Connector	M12 Male Connector	Thermoplastic Elastomer (TPE)	Unshielded	Teal
ICD11T1NTL1M					Shielded	
ICD12T1NTL1M			90° Male Connector			
ICD13T1NTL1M			M12 Female Connector			
ICD14T1NTL1M		RJ45 Plug				
ICD22T1NTL1M		M12 90° Male Connector	90° Male Connector			
ICD26T1NTL1M			90° Female Connector			
ICD44T1NTL1M		M12 Female Bulkhead	RJ45 Plug			

IndustrialNet™ Overmolded Cordsets (continued)

Part Number	Pin	Termination End 1	Termination End 2	Jacket	Shielding	Color
X-Code, Category 6A, 600 V						
ICX11T1NTL1M	8	M12 Male Connector	M12 Male Connector	Thermoplastic Elastomer (TPE)	Shielded	Teal
ICX14T1NTL1M			RJ45 Plug			
ICX44T1NTL1M		Female Connector				

Industrial Accessories

- Modular design for easy DIN rail mounting
- Compact size and low profile saves valuable DIN rail space
- Easy installation - no special tools required
- Include labels for easy moves, adds and changes



CADIN1BL



CDPP8RG



FDME8RG

Part Number	Description	Color
Mini-Com™ DIN Rail Mount Adapter		
BEST SELLER CADIN1BL	Single-Port DIN Rail Mount Adapter.	Black
CADIN1BL-S	Shielded Single-Port DIN Rail Mount Adapter.	
IndustrialNet™ DIN Rail Mount Copper Patch Panel		
BEST SELLER CDPP8RG	8-Port Patch Panel, DIN Rail Mount.	International Gray
CDPP8RG-S	Shielded 8-Port Patch Panel, DIN Rail Mount.	
IndustrialNet™ DIN Rail Mount Fiber Enclosure		
BEST SELLER FDME8RG	8-Port Fiber Optic Enclosure, DIN Rail Mount.	International Gray
Fiber Termination Enclosure		
FTE24A1A1	Pre-Configured 288 Fiber Termination Enclosure, Mild Steel.	-

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Pre-Configured Micro Data Center (MDC)

- Pre-configured solution enables fast deployment of servers, storage, and switches for an industrial network
- Dynamic rated version ensures safe transport of IT equipment under typical shipping conditions
- Includes space for future expansion of server, storage, and related patching to allow for increased network capacity without requiring addition to control room footprint
- Bonded structure helps ensure network reliability and prevent equipment failure
- Integrated cable management with bend radius control maintains bandwidth through the network for increased uptime
- Reference architecture provides a physical map of the logical network layer following recommended installation practices to increase reliability



MDC82NN

Part Number	Height In. (mm)	Width In. (mm)	Depth In. (mm)	Description	No. of Rack Units	Color
MDC79D	79.8 (2026)	27.6 (700)	48.0 (1219.2)	Dynamic, Single Hinge Perforated Front Door, Split Perforated Rear Doors, Split Side Panels (2), Network Cabling, Patch Panels, Cable Management, Grounding, Casters, Shock Pallet and Ramp.	42	Black
MDC82NN	78.7 (2000)		47.2 (1198.9)	NEMA Type 12, IP55, Single Hinge Front Door with Windowed Glass, Single Hinge Rear Door, Solid Side Panels (2), Side Panel, Network Cabling, Patch Panels, Cable Management, Grounding, and Casters.		Light Gray
MDC82NL				NEMA Type 12, IP55, Single Hinge Front Door with Windowed Glass, Single Hinge Rear Door, Solid Side Panel (1), Side Panel with Cutout for 20k BTU AC (1), Network Cabling, Patch Panels, Cable Management, Grounding, and Casters.		

NEMA 4X Wireless Security Enclosure



NWSE1412G

Part Number	Height In. (mm)	Width In. (mm)	Depth In. (mm)	Description	Color
NWSE1412G	14 (355.6)	12 (304.8)	6 (152.4)	Pre-installed, Pre-fabricated Backplane, 4CS-1/2 Electrical Box, Pole Mounting Bracket, 2 NEMA 4X Compression Fittings, Includes UTP Connectivity Kit.	Gray

Wireless Access Point Enclosures

- Accommodates the most popular Wireless Access Points
- Fiberglass construction and aluminum mounting plate allows quick and easy access point installation
- Provisions for padlocks to protect against tampering and theft
- Include pre-configured mounting template and connectivity kit with 2-position outlet box, Mini-Com™ TX6™ PLUS Jack Module, TX6™ PLUS Patch Cord, silicone sealant and grounding cable
- UL 508A Listed, NEMA 4X and IP66 Rated



PZNWE12

Part Number	Connectivity Kit	External Dimensions	Internal Dimensions
Power over Ethernet Applications			
PZNWE12	UTP	13.56" H x 13.47" W x 6.56" D (344.4mm x 342.1mm x 166.6mm)	11.70" H x 11.70" W x 6.29" D (297.2mm x 297.2mm x 159.8mm)
Traditional AC Power Applications			
PZNWE14	UTP	15.50" H x 13.50" W x 6.25" D (393.7mm x 342.9mm x 158.8mm)	13.53" H x 11.55" W x 5.94" D (343.7mm x 293.4mm x 150.9mm)

Industrial Network Uninterruptible Power Supply (UPS)

- Supports industrial switches during power outages
- Ultracapacitor technology decreases downtime risk by up to 40%*
- Maintenance-free operation contributes to 50–70% reduced cost of ownership*
- Non-HazMat
- Remote management with auto alerts works with standard web browsers and EtherNet/IP**
- Easy device monitoring through SNMP v1/V2c/V3
- Wide operating temperature range -40°C to +60°C
- Compact, one-piece design saves 50% or more DIN Rail space compared to similar UPS devices



UPS003LSM UPS00100DC

Part Number	Description
UPS003LSM	UPS Load Sense Module; Optional Accessory for Use in Dual, Redundant Power Supply Configurations to Monitor Load on Primary Supply.
UPS00100DC	Uninterruptible Power Supply (UPS), 100W; No-Battery, Maintenance-Free with Remote Management; 24-28 VDC In/Out; DIN Rail Mount.

*Compared to battery-based UPS devices.

**EtherNet/IP is a trademark of ODVA.

Network Zone Systems

- Universal design works with most DIN mount industrial Ethernet switches, providing design flexibility
- Pre-configured solution delivers up to 75% faster implementation
- Designed to accept customer supplied switches
- Copper/fiber patch fields and connectivity enable troubleshooting of network connections
- Isolation barrier segregates higher line voltage from lower voltage switch for increased safety
- Bonding provisions and grounding bar ensure path to ground to protect personnel and equipment
- Detailed installation guide provides easy, repeatable design instructions assuring consistency and saving time on the job-site
- UL Type 4/12 or 4X, UL 508A Listed, CE Approved, IP66 Rated



Z22U-S15S



Z22C-S

Part Number	Enclosure Material	Downlink Port Connectivity	Included Accessories	Power Infrastructure
24" x 36" Universal Network Zone; for Two Industrial Switches				
Z23U-S25S	Mild Steel	Category 6A STP	Sixteen Copper Patch Cords and Jacks, Six LC Adapters, Four LC OM3 Patch Cords	Redundant Power Supplies with One Maintenance-Free UPS
Z23U-S25		Category 6 UTP		Redundant Power Supplies with Battery Based UPS
Z23U-S21				
24" x 24" Universal Network Zone; for One Industrial Switch				
Z22U-S15	Mild Steel	Category 6 UTP	Eight Copper Patch Cords and Jacks, Six LC Adapters, Two LC OM3 Patch Cords	Redundant Power Supplies with One Maintenance-Free UPS
Z22U-S15S		Category 6A STP		
24" x 36" Pre-Configured Network Zone; for Two Industrial Switches				
Z23C-S	Mild Steel	Category 6 UTP	Sixteen Copper Patch Cords and Jacks, Six LC adapters, Four LC OM3 Patch Cords	-
24" x 24" Universal Network Zone; for One Industrial Switch				
Z22C-S	Mild Steel	Category 6 UTP	Eight Copper Patch Cords and Jacks, Six LC Adapters, Two LC OM3 Patch Cords	-

Products are also available in stainless steel and shielded connectivity options.

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Pre-Configured Industrial Distribution Frames

- Engineered to deploy and protect 19" rack mount Ethernet switches in industrial applications
- Pre-configured, wall mount design delivers up to 25% faster implementation
- Defined equipment locations and cable routings incorporate Panduit best practices in connectivity, cable management, wiring and grounding
- Additional back-end space allows for 3X the cooling capacity over typical deployments
- Key-locking handle limits access to authorized personnel for a secure network
- Detailed installation guide provides easy instructions assuring consistency and saving time on the job-site
- UL Type 4/12 or 4X, UL 508A Listed, IP66 Rated



ZDF242430



ZDF48-RA

Part Number	Enclosure Material	Included Accessories	Power Infrastructure
12U Industrial Distribution Frame for Two Access or Two Distribution Switches			
ZDF242430	Mild Steel	Two 48-Port Patch Panels, Fiber Tray, Fiber Spools, Back Panels, 10" DIN Rail, 30" Length of Duct	-
26U Industrial Distribution Frame for Two Access and Two Distribution Switches			
ZDF48-RA	Mild Steel	Two 48-Port Patch Panels, Fiber Tray, Fiber Spools, Back Panels, 10" DIN Rail, 30" Length of Duct	Two Duplex Power Receptacles and Four Power Cables

Pre-Configured Industrial Distribution Frame With Access Control



ZDF242430DA2

Part Number	Enclosure Material	Included Accessories	Power Infrastructure
12U Industrial Distribution Frame with Access Control for Two Access or Two Distribution Switches			
ZDF242430DA2	Mild Steel	G5 Electronic Swinghandle with Built-In Low Frequency (125kHz) Card Reader	One Intelligent Power Distribution Unit (iPDU)
26U Industrial Distribution Frame with Access Control for Two Access or Two Distribution Switches			
ZDF48-RADA2	Mild Steel	G5 Electronic Swinghandle with Built-In Low Frequency (125kHz) Card Reader	One Intelligent Power Distribution Unit (iPDU)

IntraVUE™ Edge Software Appliance



Part Number	Description
PNPIV	Perpetually licensed appliance. Continuously monitors the status of all devices and switches within the network. Only requires IP configuration on the client network.

Table of Contents

Introduction to Audio VideoE.2

OMEGA™ SeriesE.3

OmniStream™ AV Over IPE.4

Velocity™ SystemE.5

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index



Connect and Collaborate: AV Solutions from Atlona

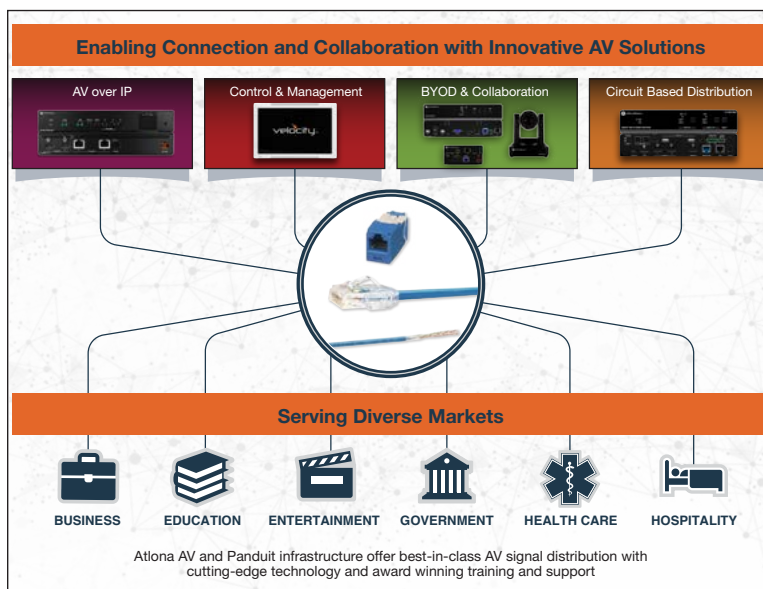
Modern AV systems enable connection and collaboration, driving discussions, improving education, and facilitating conversations within the workplace, school, or medical facility.

Today, Panduit has made it easy to deploy an AV system over structured cabling, with market-leading solutions from a single supplier. Active devices from Atlona, a Panduit company, are the core of the AV system, and are supported by Panduit's robust, reliable infrastructure portfolio to deliver flexible, scalable AV applications.

Whether you're looking at point-to-point AV extension for a classroom, boardroom, or huddle space, or an enterprise-wide AV over IP platform, you will find high quality products that are simple to install and even easier to operate, all backed by an industry-leading warranty and global customer support.

Common Applications Supported by AV

Boardroom
Classroom
Conference Room
Digital Signage
Entertainment Space
Huddle Space
Lecture Hall
Training Room
Video Conferencing



PANDUIT™

ATLONA
a PANDUIT company



Redefining AV for presentation and collaboration

The **OMEGA™ Series** is a family of switching, extension, and video processing solutions with features and technologies designed specifically for today's meeting and gathering spaces.

They're essential AV system components made for simple plug-and-play operation to deliver a presentation or video conferencing session, and collaborate with team members. An Omega™ Series system can be a straightforward, point-to-point setup from meeting table to display, or anchored by an AV switcher with remote endpoints at display or presenter locations.

The Omega™ Series lets you specify and deliver cost-friendly AV integration solutions for participants to bring in their own devices to present or share content. Omega™ Series also makes it very easy to integrate AV systems for video conferencing with popular platforms such as Zoom, Microsoft® Teams®, and Cisco® Webex®.



Key Features

SIMPLE USER OPERATION – connect and present (no button to press)

UNIVERSAL AV CONNECTIVITY for USB-C®, HDMI®, and DisplayPort

VIDEO CONFERENCING HUB – USB interfacing for PCs, cameras, speakerphones, and soundbars

BUILT-IN AUTOMATION with auto-switching, display control, and more

EASILY ADAPTABLE system designs for a facility, organization, or enterprise

*USB Type-C® and USB-C® are registered trademarks of USB Implementers Forum.

**Atlona incorporates High-Definition Multimedia Interface (HDMI®) technology.



2x1 Switcher for HDMI and USB-C with USB Hub

AT-OME-MH21

- HDMI and USB-C inputs
- Integrated USB 3.0 hub
- 4K/UHD capability @ 60 Hz / 4:4:4 chroma sampling
- 4K to 1080p downscaling
- Audio de-embedding



4x2 Matrix Switcher with USB-C

AT-OME-MS42

- HDMI, USB-C, and DisplayPort inputs
- USB-C input for AV, data, and device charging
- HDBaseT and HDMI outputs
- 4K to 1080p downscaling for HDMI output
- USB 2.0 interfacing and extension up to 330 feet (100 meters)
- Audio de-embedding



5x2 Matrix Switcher with USB and Wireless AV Input

AT-OME-MS52W

- HDMI, USB-C, DisplayPort, and wireless AV inputs
- USB-C input for AV, data, and device charging
- HDBaseT and HDMI outputs
- Native screen casting with AirPlay®, Google® Cast™, and Miracast™
- USB 2.0 interfacing and extension up to 330 feet (100 meters)

Infrastructure Products to Complete the Solution



PFFY6X04WH-HED



CJS6X88TGY



FPS6X88MTG



STP6X2MBU



CFPL2WHY



CP24BLY

See the complete Omega solution at www.atlona.com/omega.

Visit www.panduit.com for additional product information.

For service and technical support, contact EMEA-CustomerServices@panduit.com

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index



Uncompromised AV over IP performance and reliability

Atlona **OmniStream™ AV Over IP platform** is a flexible, scalable, and cost-effective AV distribution platform for meeting rooms, small to medium office buildings, restaurants, retail establishments, corporations, and even a campus or enterprise. OmniStream™ Systems deliver the performance and dependability of traditional AV distribution, plus the unrestricted scalability and cost efficiency of integrating over data networks.

The OmniStream™ AV over IP platform is remarkably simple to set up and manage. An intuitive, powerful network resource with a web-based GUI lets you configure virtual AV routing over the network. Post-integration, managing your OmniStream™ Systems is a breeze with automated monitoring, centralized firmware updating, and much more.

In addition to easy AV routing setup, OmniStream™ Systems can quickly be integrated with many popular, industry-leading managed network switches. Simply upload an Atlona Certified Switch configuration file to your network switch and avoid the tedious process of running through setup menus and options.

Key Features

- 1 GB ETHERNET – Works over new or legacy network infrastructure
- PLUG AND PLAY – Ready to go with popular network switches
- FAST SWITCHING – Delivers ultra-fast, <10 ms 1080p switching
- SECURE – Supports IEEE 802.1x, HDCP 2.2, AES-128, and more
- VIDEO WALLS – Simple configuration for multiple display applications



Single-Channel Networked AV Encoder

AT-OMNI-111

- Single HDMI input
- 4K HDR including Dolby Vision @ 60 Hz
- Supports VR at 2160x1200 @ 90 Hz
- Plug-and-play network switch compatibility
- Network security including IEEE 802.1x
- Local/PoE-powered



Wallplate Networked AV Encoder

AT-OMNI-111-WP

- Single HDMI input
- Interchangeable black or white trim kits
- 4K HDR including Dolby Vision @ 60 Hz
- Supports VR at 2160x1200 @ 90 Hz
- Plug-and-play network switch compatibility
- Network security including IEEE 802.1x
- PoE-powered



Single-Channel Networked AV Decoder

AT-OMNI-121

- Single HDMI output
- 4K HDR including Dolby Vision @ 60 Hz
- Supports VR at 2160x1200 @ 90 Hz
- Plug-and-play network switch compatibility
- Network security including IEEE 802.1x
- Audio embedding/de-embedding
- Local/PoE-powered

Infrastructure Products to Complete the Solution



PUL6X04WH-HEG



CJ6X88TGBU



FP6X88MTG



UTP6AX7BU



CFPL2WHY



CPPL24WBLY

See the complete OmniStream solution at www.atlona.com/omnistream.

Visit www.panduit.com for additional product information.

For service and technical support, contact EMEA-CustomerServices@panduit.com



AV control, room scheduling, and asset management

The Atlona **Velocity™ System** is an innovative AV control platform that brings together a unique set of capabilities resulting in easy system scalability and a low cost of ownership.

The Velocity™ IP-based system architecture allows a single, networked processor to serve multiple AV systems simultaneously, leading to overall AV system control efficiency. The Velocity™ IP-based system also saves valuable time with the ability to configure control systems in minutes, and quickly make system modifications free of extensive programming.

In addition to AV control, the Velocity™ IP-based system includes calendar integration for room scheduling touch panels, as well as centrally configuring, deploying, and managing AV devices.

Key Features

- IP-BASED CONTROL – Touch panel or BYOD control of AV components over the network
- ROOM SCHEDULING – Supports Google Workspace™, Office 365™, Exchange™, and Astra Schedule
- ASSET MANAGEMENT – Configure, deploy, and monitor AV devices
- FAST CONFIGURATION – Configure AV control systems in minutes
- SCALABLE – Host multiple AV systems from a single gateway



Hardware Gateways

AT-VGW-HW-3
AT-VGW-HW-10
AT-VGW-HW-20

- Server appliance for hosting multiple rooms of AV control
- Three versions available, supporting up to 3, 10, or 20 rooms
- Support hundreds of IP device connections
- Software gateway, **AT-VGW-SW**, available for hosting on IT server infrastructure



10" Touch Panels

AT-VTP-1000VL-BL
AT-VTP-1000VL-WH

- Designed for room scheduling and AV control
- 10" capacitive touch screen, 1280 x 800 resolution
- Glass and universal one-gang wall mount included
- Surround bezel LED lighting
- Black and white versions available



5.5" Touch Panels

AT-VTP-550-BL
AT-VTP-550-WH

- Designed for AV control and room scheduling
- 5.5" capacitive touch screen
- 720 x 1280 resolution
- Black and white versions available

Infrastructure and Power Products to Complete the Solution



PUL6X04WH-HEG



CJ6X88TGBU



FP6X88MTG



UTP6AX7BU



CFPL2WHY



P08E16M

CPPL24WBLY

See the complete Velocity solution at www.atlona.com/velocity.

Visit www.panduit.com for additional product information.

For service and technical support, contact EMEA-CustomerServices@panduit.com

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Notes

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

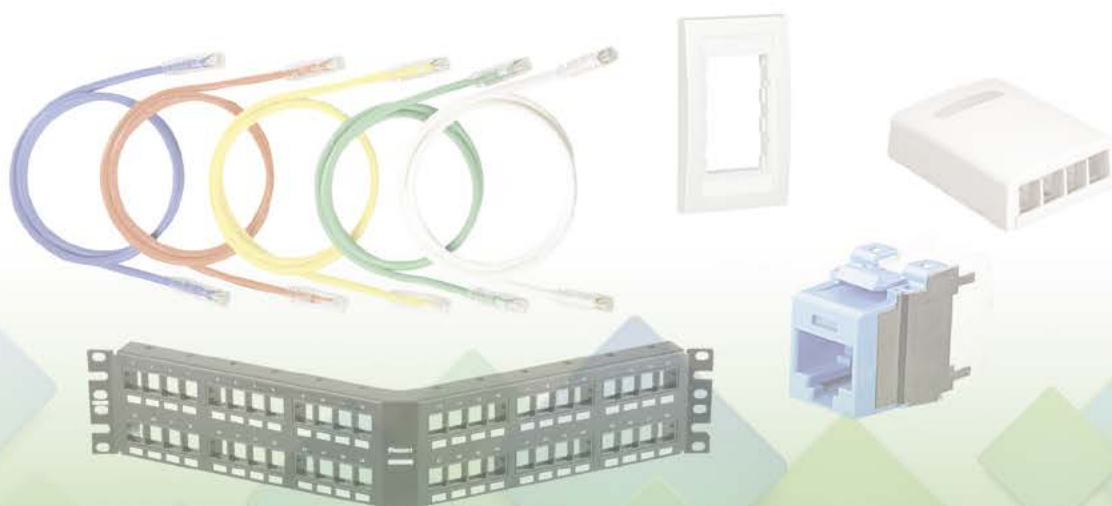
J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Table of Contents

NetKey™ Jack Modules	F.2
NetKey™ Patch Cords	F.2
NetKey™ Patch Panels	F.3 - F.4
NetKey™ Fiber Enclosures	F.5
NetKey™ Fiber Optic Adapters	F.5
NetKey™ Fiber Patch Cords and Pigtails	F.6
NetKey™ Faceplates	F.7
NetKey™ Furniture Faceplates	F.7
NetKey™ Surface Mount Boxes	F.8
NetKey™ Punchdown Tools	F.9



**A.
Product
Showcase**

**B.
Copper
Systems**

**C.
Fiber
Systems**

**D.
Industrial
Networks**

**E.
Audio
Video
Systems**

**F.
Keystone
Cabling
Systems**

**G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt**

**H.
Power and
Connectivity
Management**

**I.
Cable
Management
Accessories**

**J.
Cable
Routing
Systems**

**K.
Cable
Cleats**

**L.
Part
Number
Index**

A.
Product
Showcase

NetKey™ Copper Cable

- Exceeds ANSI/TIA-568.2-D and ISO 11801 channel requirements.



NUY6C04BU-CE

Part Number	Performance Level	Flame Rating	EuroClass	Packaging	Construction, AWG	Color	Length, m
NUL6X04BU-VEG	Category 6A	LSZH-1, LSZH-3-22	Dca-s2-d2-a1	Reel	U/UTP, 23	Blue	305
BEST SELLER NUL6X04BU-HEG		LSZH-1					
BEST SELLER NUY6X04BU-HEG		—	Cca-s1a-d1-a1				
BEST SELLER NFFY6X04BU-HED		—	Cca-s1-d0-a1		F/FTP, 23		500
BEST SELLER NUC6C04BU-FE	Category 6	CM, LSZH-1	Eca	Easy Payout Carton	U/UTP, 24		305
NUL6C04BU-FE		LSZH-1	Dca-s2-d2-a1				
NUL6CR04BU-CE		CM, LSZH-1	Eca				
NUY6C04BU-FE		—	Cca-s1a-d0-a1				
NUW6C04BU-CE		—	B2ca-s1a-d1-a1				

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

NetKey™ Jack Modules

- Meet all industry performance standards for Category 6A, 6 and 5e
- Punchdown jack modules are 100% performance tested and individually serialized for future traceability
- Keystone punchdown jacks meet ANSI/TIA-568.2-D and ISO 11801 component requirements
- Snap in and out of keystone openings for easy moves, adds and changes
- Universal label includes T568A and T568B wiring schemes
- Shielded Jack Module terminates 4-pair, 22-24 AWG, 100ohm shielded twisted pair cable; does not require Punch down tool



NK6X88MBU
NK688MBU
NKP5E88MBU



KJS6X88TC

Part Number	Performance Level	Termination Style	Color	Std. Pkg. Qty.
Unshielded jack modules				
NK6X88MBU	Category 6A	Punchdown	Blue	1
NK6X88MBU-Q				25
NK688MBU	Category 6			1
NK688MBU-Q				25
NKP5E88MBU	Category 5e			1
NKP5E88MBU-Q				25

Shielded jack modules

KJS6X88TC	Category 6A	TG Style	Silver	1
-----------	-------------	----------	--------	---

For other colors, replace BU (Blue) with IW (Off White), BL (Black), EI (Electric Ivory), or WH (White).

NetKey™ Patch Cords

- Meet all industry performance standards for Category 6A, 6 and 5e
- 100% performance tested
- Available in a variety of colors and lengths for design flexibility



NK6APC3BU
NK6PC3BUY



NK5EPC3BUY

Part Number	Performance Level	Length Ft.
NK6APC3BU	Category 6A	1-20, 25, 30, 35, 40, 45, 50
NK6PC3BUY	Category 6	
NK5EPC3BUY	Category 5e	

For other lengths, replace "3" in the part number with the desired patch cord length.
For other colors, replace BU (Blue) with IW (off White) or RD (Red).

NetKey™ Patch Panels

- Modular patch panels accept NetKey™ Modules, which snap in and out for easy moves, adds and changes
- Angled style facilitates proper bend radius control and minimizes the need for horizontal cable managers
- Select modular patch panels have front access design includes faceplate with easy snap release feature



NKPP24FMY



NKFP24Y



NKPPA48HDWH



NKPPA48FMY



KP24WSBL



KPA48WSBL

Part Number	Ports	No. of Rack Units	Style	Identification	Color	Design
-------------	-------	-------------------	-------	----------------	-------	--------

Unshielded Modular Patch Panels

NKFP24Y	24	1	Flat	Label Pocket	Black	Front Access
NKPP24FMWH				Adhesive	White	Flush Mount
NKPPA24FMWH			Black			
NKPP24FMY					Angled*	
NKPPA24FMY			Angled*			
TEST SELLER					Flat	Black	Front Access
NKFP24Y			Angled*			
NKPPA24					Flat	N/A	High Density
NKPPA48HDY			Angled*			
NKPP48HDY				Flat	White	
NKPP48HDWH	Angled*					
NKPPA48HDWH		2	Flat	Label Pocket	Black	Front Access
NKFP24Y	Adhesive			White	Flush Mount	
NKFP48Y			Black			Front Access
NKPPA48FMWH				Angled*		
NKPPA48FMY			Angled*		Black	Front Access
NKPPA48						

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt., Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

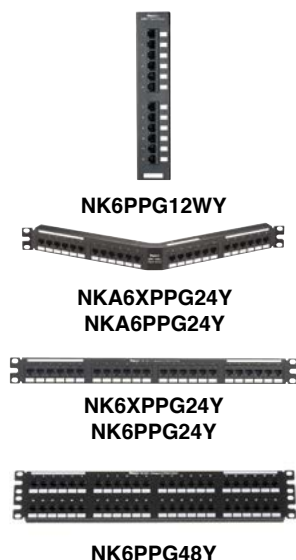
J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

NetKey™ Punchdown Patch Panels

- Meets all TIA/EIA-568-C.2 Category 6 and ISO 11801 2nd Edition Class E channel requirements at swept frequencies up to 250 MHz
- Meets ANSI/TIA-568-C.2 and ISO 11801 Category 6 component requirements at swept frequencies up to 250 MHz
- Complies with ANSI/TIA-1096A (formerly FCC Part 68)
- Meets IEC 60603-7, Supports IEEE 802.3af/802.3at and proposed 802.3bt type 3 and type 4 PoE applications, UL 1863 approved, and RoHS Complaint

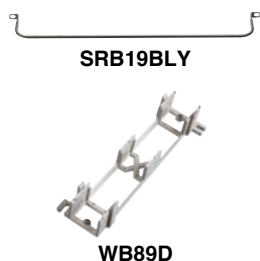


Part Number	Ports	No. of Rack Units	Style	Identification	Color	Category
Punchdown Panels						
NK6PPG12WY	12	—	Flat	Adhesive	Black	Category 6
NK6XPPG24Y	24	1	Angled*			Category 6A
NKA6XPPG24Y			Angled*			Category 6
NKA6PPG24Y			Flat			Category 6A
NK6PPG24Y			Flat			Category 6A
NK6XPPG48Y	48	2	Angled*			Category 6
NKA6PPG48Y			Angled*			Category 6
NK6PPG48Y			Flat			Category 6

*Patented Design

Accessories

- Strain relief bars help support cable exiting the back of the panel
- Filler panels cover unused rack space
- Transitional cover for angled panels to help promote proper airflow and cooling
- Select product available in White



Part Number	Type	Style	Color	Std. Pkg. Qty.
SRB19D5BL	Strain Relief Bar	Deep	Black	1
SRB19BLY		Extended		
SRB19D7BL		Deep		
CPAF2BLY	Filler Panel	Angled		
CPAF1BLY				
CPATCBL	Transitional Cover			
SRBBRKT	Mounting Bracket	Quick Release		
WB89D	Bracket	89D	White	

NetKey™ Fiber Enclosures

- Factory configured with 6, 12 or 24 duplex LC or SC adapters for fast and easy installation
- Slide-out drawer slides forward a full 300mm for service access to all fiber terminations, connections, and/or splices

- Supports both field termination or fusion splicing with appropriate slack storage and cable management provisions
- Simple two-piece, all-metal body construction for easy and economical installation with no loose components to misplace; improved protection over plastic fiber drawers



NKFD1W12BUDSCZ

Part Number	Adapter Type	Fiber Type	Adapter Color	Number of Adapters*
NKFD1W6BUDSCZ	SC	Multimode	Blue	6
		Singlemode		
NKFD1W12BUDSCZ	SC	Multimode		12
		Singlemode		
NKFD1W12BUDLCZ	LC	Multimode		12
		Singlemode		
NKFD1W24BUDLCZ	LC	Multimode		24
		Singlemode		

NetKey™ Fiber Optic Adapters



NKDLCMZIW



NKDSCMZIW

Part Number	Adapter Type	Fiber Type
NKDLCMZIW	LC	Multimode
		Singlemode
NKDSCMZIW	SC	Multimode
		Singlemode

For other colors, replace IW (Off White) with BL (Black), EI (Electric Ivory), IG (International Gray), or WH (White).

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt., Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

NetKey™ Fiber Patch Cords and Pigtails

- Compliant with ANSI/TIA 568-C.3-1 and ISO/IEC 11801, TIA-604-5 (FOCIS-5), and UL 1666 (OFNR) flame rating
- Patch cords and pigtails include OM1, OM3, OM4 or OS2 fiber in 900µm tight-buffered fiber, 1.6mm, 2.0mm or 3.0mm duplex zipcord jacketed cable
- 100% performance tested assures that patch cords and pigtails are standard compliant, Riser rated jacket meets UL 1666 (OFNR) flame rating for standard compliant safety
- Q.C. identification label quality control reference provides lifetime traceability of test data



ST to ST Patch Cord SC to SC Patch Cord LC to LC Patch Cord SC to LC Patch Cord LC to Pigtail SC to Pigtail

Part Number Example	NK	FP	X	2	E	R	L	L	S	M	001
	1	2	3	4	5	6	7	8	9	10	11

NK NetKey	2 2 = Duplex	L L = LC S = SC 2 = ST	S S = Standard
FP Fiber Patch Cord	E E = 1.6mm 2 = 2.0mm 3 = 3.0mm	L L = LC S = SC 2 = ST	M M = Meter
X X = OM3 Z = OM4 9 = OS2	R R = Riser L = LSZH	001 Length	

OM3, OM4, and OS2 pigtails available in 1m and 2m lengths. All other only available in 1m.

Part Number Example	NK	FP	X	1	B	N	1	N	S	N	001
	1	2	3	4	5	6	7	8	9	10	11

NK NetKey	1 1 = Simplex	N N = N/A
FP Fiber Patch Cord	B B = 900µm	S S = Standard
X X = OM3 Z = OM4 9 = OS2	N N = N/A	N N = N/A K = 12pc kit
	1 1 = LC 2 = ST 3 = SC	001 Length

OM3, OM4, and OS2 pigtails available in 1m and 2m lengths. All others only available in 1m.

NetKey™ Faceplates

- Accept NetKey™ Modules for UTP, fiber optic, and audio/video
- Replacement label/label covers available for select products
- Non-label faceplates include screws with matching color head screws



NK1FIWY



NK2FIWY



NK4FIWY



NK6FIWY



NK1FNIW



NK2FNIW



NK3FNIW



NK4FNIW



NK4VSFIWY

Part Number	Ports	Style	Identification	Std. Pkg. Qty.
NK1FIWY	1	Flat	Label Pocket	1
NK2FIWY	2			
NK4FIWY	4			
NK6FIWY	6			
NK1FNIW	1		Adhesive	
NK2FNIW	2			
NK3FNIW	3			
NK4FNIW	4			
NK6FNIW	6			
NK4VSFIWY	4	Sloped	Label Pocket	

For other colors, replace IW (Off White) with EI (Electric Ivory), WH (White), or IG (International Gray).

NetKey™ Shielded Faceplates

- Keystone sloped shuttered faceplates
- Two piece design includes a metal mounting plate concealed by the outer frame for added security and aesthetic look.
- Faceplates accept two standard Keystone modules for copper, fiber and audio/video installations
- Supplied with mounting screws, metal mounting plate, label/label holder



KFPL80S2SWH



KFPL86S2SWH

Part Number	Ports	Style	Identification	Std. Pkg. Qty.
KFPL80S2SWH	2	Sloped	Label Pocket	1
KFPL86S2SWH	2			

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt., Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

NetKey™ Stainless Steel Faceplates

- Accept NetKey™ Modules for UTP, fiber optic, and audio/video
- Replacement label/label covers available where applicable
- Impact-resistant 304 stainless steel for light industrial environments



NKF2S



NKF4S



NKF6S

Part Number	Ports	Style	Identification	Size	Std. Pkg. Qty.
NKF2S	2	Flat	Label Pocket	Single	1
NKF4S	4				
NKF6S	6				

Faceplate Frames and Inserts



CBIW



CBEIWY

Faceplate Frames

Part Number	Size	Style	Identification	Std. Pkg. Qty.
CBIW	Single	Classic	Adhesive	1
CBIW-2G	Double			
CBEIWY	Single	Executive	Label Pocket	
CBEIW-2GY	Double			

1/2 Size Inserts

Part Number	Ports	Style	Identification	Std. Pkg. Qty.
NKHS2IW-X	2	Sloped	Adhesive	10
NKHS2SIW-X		Sloped Shuttered		

1/3 Size Inserts

Part Number	Ports	Style	Identification	Std. Pkg. Qty.
NKHF2MIW-X	2	Flat	—	10
CHB2MIW-X	—	Blank		

For other colors, replace IW (Off White) with EI (Electric Ivory) or WH (White).



NKHS2IW-X



NKHS2SIW-X



NKHF2MIW-X



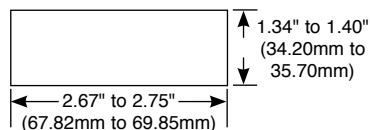
CHB2MIW-X

NetKey™ Furniture Faceplates

- Accept NetKey™ Modules for UTP, fiber optic, and audio/video

- Optional adhesive labels available
- Compatible with standard furniture opening

Panel Cutout Requirements



Maximum Panel Thickness: 0.09" (2.29mm)



NK4MFBL



NK4MFABL

Part Number	Ports	Style	Std. Pkg. Qty.
NK4MFBL	4	Flat	1
NK4MFABL		Sloped	

For other colors, replace BL (Black) with IW (Off White), WH (White), IG (International Gray).

NetKey™ Surface Mount Boxes

- Accept all NetKey™ Modules
- Replacement label/label covers available where applicable

- Mount easily with supplied mounting screws, adhesive tape or optional magnet
- Cable entry from side knockouts



NK2BXIW-A



NK4BXIW-AY



NK6BXIW-AY

Part Number	Ports	Style	Identification	Magnet	Raceway Compatibility
NK2BXIW-A	2	Elongated	Adhesive	CBM-X	LD3/LDPH3 LD5/LDPH5
NK4BXIW-AY	4		Label Pocket		
NK6BXIW-AY	6				

For other colors, replace IW (Off White) with EI (Electric Ivory), WH (White), or IG (International Gray).

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

NetKey™ Punchdown Tools



NKSPB



PDT110

Part Number	Description
NKSPB	Punchdown based used to assist in terminating Category 6 punchdown and A/V punchdown modules.
PDT110	Single pair punchdown tool and blade terminates and cuts 110 style IDCs in one operation.
PDTH110	Replacement blade for single pair punchdown tool.

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Table of Contents

FlexFusion™ Cabinets	G.2 – G.3
FlexFusion™ Accessories	G.4
Net-Access™ N-Type Cabinets	G.5
Net-Access™ S-Type Cabinets	G.6
Net-Access™ S-Type Universal Cabinets	G.7
Net-Access™ Enterprise Cabinets	G.8
Net-Contain™ Vertical Exhaust Ducts (VEDs)	G.9
Net-Access™ Cabinet Accessories	G.9 – G.10
Net-Access™ Cabinet Thermal Management Accessories	G.10
Net-Contain™ Universal Containment System	G.10 – G.15
Net-Contain™ Cabinet Supported Cold Aisle/Hot Aisle Containment	G.16 – G.17
PatchRunner™ 2 Vertical Cable Management System	G.18
Cable Management Accessories	G.18
PatchRunner™ 2 Enhanced Vertical Cable Management System	G.18
PatchRunner™ 2 Horizontal Cable Management System	G.19
Vertical Cable Managers	G.19
Horizontal Cable Managers	G.20
NetManager™ High Capacity Horizontal Cable Managers	G.21
Rack Systems	G.21 – G.23
PanZone™ Enclosures	G.24 – G.25
PanZone™ Overhead Distribution Racks	G.26
Brackets and Accessories	G.26
Grounding and Bonding	G.27

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index



PANDUIT® FlexFusion™



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



Ease of Use

Easy to adjust E-rails, PDU installation and accessories to reduce installation time.



Robust

Solid construction with Best-in-Class load rating for secure installation.



Security

Choice of key lock, 3-digit combo or HID electronic and/or keypad lock.



Enhanced Cable Management

Choice of tool-less fingers, vertical cable manager and front-to-back cable manager.



Integrated Intelligence

Turnkey deployment with pre-configured PDU, access control and environmental monitoring.



Flexibility

Universal design for server or network applications.



Maximum Cooling

80% perforated doors for increasing power density in newer deployments.



Scalability

Configuration platform to create cabinet to meet your specification and requirements.



Like what you see... and want more?

For more information on FlexFusion™ Cabinets and to access the configurator, visit www.panduit.com/flexfusion.

FlexFusion™ Cabinets

FlexFusion™ Cabinets are ideal for network or server equipment and provide maximum flexibility and the capacity to manage high cable density in data center, enterprise or colocation deployment.



- 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 ganging brackets and heavy-duty leveling legs
- Several tool-less cable management options to choose from
- Configurator tool to select a basic cabinet to a turn-key pre-configured cabinet
- Fully integral bonded without use of grounding wires - equipment rails, doors, side panels and top cap
- Static load rating - 3500 lbs. and rolling load rating - 2500 lbs.

Part Number	Width mm	Height RU	Depth mm	Side Panels	Color	Top Cap Type	PDU Mounting Bracket	Cable Management Fingers	Vertical Cable Management Panel
XG64212BS0001	600	42	1070	Both Sides	Black	Brush Seal	Left Side	No	No
XG64212WS0001					White				
XG64222BS0001			1200		Black				
XG64222WS0001					White				
XG64512BS0001		45	1070		Black				
XG64512WS0001					White				
XG64522BS0001			1200		Black				
XG64522WS0001					White				
XG64822BS0001		48			Black				
XG64822WS0001					White				
XG74212BS0001	700	42	1070		Black				
XG74212WS0001					White				
XG74222BS0001			1200		Black				
XG74222WS0001					White				
XG74512BS0001		45	1070		Black				
XG74512WS0001					White				
XG74522BS0001			1200		Black				
XG74522WS0001					White				
XG74822BS0001		48			Black				
XG74822WS0001					White				
XG84222BS0001	800	42	1200		Black				
XG84222WS0001					White				
XG84522BS0005		45			Black				
XG84522WS0005					White				
XG84822BS0005		48			Black				
XG84822WS0005					White				

A.
Product
Showcase

FlexFusion™ Accessories

Select from tool-less cable management and easy to install PDU mounting brackets to enhance and complete your FlexFusion™ Cabinet.

B.
Copper
Systems

FlexFusion™ 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

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

FlexFusion™ PDU Mounting Brackets



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

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

FlexFusion™ 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

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Net-Access™ N-Type Cabinets

Net-Access™ N-Type Cabinets are ideal for network applications that requires optimal thermal management and the capacity to manage high cable densities of switch applications.



- Front dual or single hinge doors with 69% open perforation
- Dual hinge front door allows door to open to the left or right
- Rear perforated split doors with 69% opening
- Inset frame for improved cable management
- Single point bonding at top and bottom of cabinet
- Static load rating - 3000 lbs. and rolling load rating - 2500 lbs.
- Fully integral bonded without the use of grounding wires - equipment rails, door and side panels

Standard Configured Cabinets

							Dimensions		
Part Number	RU	Front Door	Rear Door	Side Panels	Rail Type	Color	Height mm	Width mm	Depth mm
N8212BE	42	Single Hinge Perforated	Split Perforated	2	Cage Nut	Black	2026	800	1070
N8222B		Dual Hinge Perforated			Tapped				White	1200
N8222WC					Cage Nut	2134			
N8229W		0		Tapped	Black						1070
N8512B	45	2		Cage Nut			2267		
N8512BC				Tapped					1200
N8522B				Cage Nut					
N8522BC				White					
N8822WC	48								

A.
Product Showcase

B.
Copper Systems

C.
Fiber Systems

D.
Industrial Networks

E.
Audio Video Systems

F.
Keystone Cabling Systems

G.
Cabinets, Thermal Mgmt, Racks, Enclosures & Cable Mgmt

H.
Power and Connectivity Management

I.
Cable Management Accessories

J.
Cable Routing Systems

K.
Cable Cleats

L.
Part Number Index

A.
Product
Showcase

Net-Access™ S-Type Cabinets

Net-Access™ S-Type Cabinets are ideal for server applications where high density RU utilization and cable management are required.



- Front single hinge door and split perforated rear door with 69% open perforation
- Vertically split hinged side panels (if applicable)
- Vertical blanking panel included
- Heavy-duty leveling legs
- Ganging brackets
- Rear equipment rails accommodate cable management fingers (finger sold separately)
- Fully integral bonded without the use of grounding wires - equipment rails, door and side panels
- Static load rating - 3000 lbs. and rolling load rating - 2500 lbs.
- Casters included

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

Standard Configured Cabinets

						Dimensions				
Part Number	RU	Front Door	Rear Door	Side Panels	Color	Height mm	Width mm	Depth mm		
S6212B	42	Single Hinge Perforated	Split Perforated	2	Black	2026	600	1070		
S6222B						2026		1200		
S6522BF	45					2134				
S7222B	42					2026	700	1070		
S7522BF	45					2134				
S8212B	42					2026	800	1070		
S8512B	45					2134				
S8512BF									1200	
S8522B										
S8522BF									1200	

Parts ending with an "F" include one set of cable management fingers.

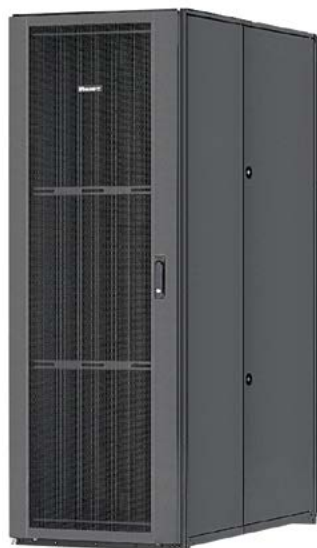
J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Net-Access™ S-Type Universal Cabinets

Net-Access™ S-Type Universal Cabinets are ideal for network or server application that provides effective thermal management, high density cable management and RU utilization.



- Front single hinge door and split perforated rear door with 69% open perforation
- Vertically split hinged side panels (if applicable)
- Ganging brackets included
- Heavy-duty leveling legs
- Adjustable front and rear equipment rails
- Top and bottom rail position markings
- Front and rear equipment rails accommodate cable management fingers (includes 1 set of fingers)
- Fully integral bonded without the use of grounding wires - equipment rails, door and side panels
- Static load rating - 3000 lbs. and rolling load rating - 2500 lbs.
- Casters included

Universal Standard Configured Cabinets

						Dimensions			
Part Number	RU	Front Door	Rear Door	Side Panels	Color	Height mm	Width mm	Depth mm	
S6212BU	42	Single Hinge Perforated	Split Perforated	2	Black	2026	600	1070	
S6222BU								1200	
S6812BU	48					2267		1070	
S7222BU	42					2026	700	1200	
S7512WU	45				White	2134		1070	
S7822BU	48				Black	2267		1200	
S7822WU					White				
S8212BU	42					2026	800	1070	
S8512BU	45					Black		2134	
S8522BU										1200

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Net-Access™ Enterprise Cabinets

The 12 and 24 RU Net-Access™ Enterprise Cabinets store switches, patching, and servers used in office and small business areas. They are easy to roll away under a desk or in a closet. The ability of the cabinet is to easily move where needed, enables fast setups and quick changes of network capabilities. Perforated doors encourage airflow to help cool equipment in tight spaces.



12 RU

E6212B1



24 RU

E6412B2

- Outset post design
- Welded and assembled steel frame construction
- Easy maintenance powder coat finish
- Adjustable rear equipment rails
- Fixed front equipment rails
- Integral vertical airdams
- Dual cut outs (1.5" x 5") in the rear cap of the cabinet for cable entry/cable access
- Single hinge perforated doors on front and rear with locks
- Side panels on both sides with ¼ turn locks
- Static load of 567kg (1,250 lbs.)
- Rolling load of 227kg (500 lbs.)
- EIA-310-E compliant
- Cabinet ships either fully assembled one per pallet, flat packed one per pallet, or flat packed 5 per pallet
- Hardware kit: M6 screws and cage nuts
- Swivel casters
- Adjustable leveling legs
- Single point grounding locations at bottom of cabinet

Part Number	Nominal Width mm	Height	Nominal Depth mm	Side Panels	Color	Packaging
E6212B1	600	12 RU	1070	2	Black	Assembled on Pallet
E6212B1FP						Flat Packed on Pallet
E6412B2		24 RU				Assembled on Pallet
E6412B2FP						Flat Packed on Pallet

Net-Contain™ Vertical Exhaust Ducts (VEDs)



Part Number	N-Type Compatibility	S-Type Compatibility	Description
C2VED07I3866B1	-	X	VED - Adjustable from 965mm (38") up to 1676mm (66") Height

Net-Access™ Cabinet Accessories



Part Number	Height	Cabinet Type	Color	Nominal Depth mm
Side Panel Kits				
N51SPS	45 RU	N-Type	Black	1070
S22SPSE	42 RU	S-Type		1200
S51SPSE	45 RU			1070
S52SPSE			1200	
S82SPSEW	48 RU			White



Part Number	N-Type Compatibility	S-Type Compatibility	Description
PDU Brackets and Cable Management			
SN15F	X	X	Finger Kit (100mm Length) 42-45 RU Cabinets
SN25F			Finger Kit (150mm Length) 42-45 RU Cabinets
SN18F			Finger Kit (100mm Length) 48 RU Cabinets
NVPDUBE	—	—	PDU Bracket - Sold in Pairs
SPDUBRK			
S2BRK6			—	X	Combination PDU/Cable Management Bracket - 6" Wide
S2BRK12	Combination PDU/Cable Management Bracket - 12" Wide		
SN8VCM	X	Vertical Cable Management Bracket - 800mm Wide Cabinets	
S1DR	—	X	1 RU D-Ring Kit to be used with S2BRK6, S2BRK12, SN7VCM and SN8VCM
S2DR			2 RU D-Ring Kit to be used with S2BRK6, S2BRK12, SN7VCM and SN8VCM
S2LR			2 RU L-Ring Kit to be used with S2BRK6, S2BRK12, SN7VCM and SN8VCM

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Net-Access™ Cabinet Accessories (continued)



Part Number	N-Type Compatibility	S-Type Compatibility	Description
Casters			
NCSTR4	X	—	2 fixed casters for front - 2 swivel casters for rear.
Locks			
CCL3	X	X	3-digit combination locks with key over-ride for single hinge or split doors.

Net-Access™ Cabinet Thermal Management Accessories

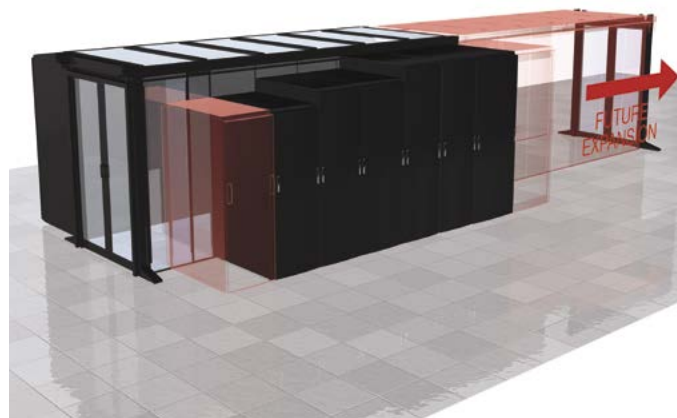


Part Number	N-Type Compatibility	S-Type Compatibility	Description
Vertical Blanking Panels			
NVBP	X	—	Vertical Blanking Panels with Pass Thru Openings for 42-48 RU
Floor Seals			
N2EOR1BA1070B1	X	—	End of Row Floor Seal for 1070mm Deep Cabinets
N2EOR1BA1070W1			
N2EOR1CA1200B1		—	End of Row Floor Seal for 1200mm Deep Cabinets
N2EOR1CA1200W1			
C2FAB08A1200B1		X	Front or Back Floor Seal
C2FAB08A1200W1			

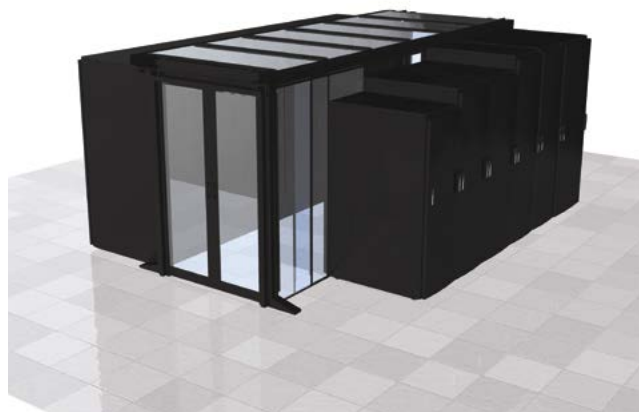
Net-Contain™ Universal Containment System

The Universal Containment System allows users to reclaim underutilized cooling capacity, reduce energy expense and reduce OpEx by retrofitting the existing data center with an innovative containment system. The system includes independent support structure, sliding doors, vertical blanking panels, and roof structure.

This offering can be configured in Vertical Wall (Hot Aisle Containment) and Roof Containment (Cold Aisle Containment) and allows the addition of cabinets (Panduit or non-Panduit) of varying sizes and design as needs dictate, reducing deployment time and capital investment.



Net-Contain™ Universal Containment System (continued)



Roof Containment

Typically used for Passive Cold Aisle Containment; deployed either on raised floor or within-row cooling.



Vertical Wall Containment

Typically used for Passive Hot Aisle Containment or Ceiling Discharge Cold Aisle Containment.

End of Row Frames

End of row frames form the Universal Aisle Containment structure at each end of a containment pod.



Part Number	Aisle Width Ft. (mm)	Frame Height	Color
CUEFRT8W04**	4 (1200)	42 RU/45 RU	**Add B1 for Black **Add W1 for White
CUEFRT8W06**			
CUEFRT9W04**	6 (1800)	48 RU/52 RU	
CUEFRT9W06**			

Wall Beams



CUWBPS08ST02B1

Part Number	Roof Containment	Vertical Wall Containment	Length mm	Description	UAC/USRC
CUWBPS06ST02**	X	X	600	2 Piece	UAC/USRC
CUWBPS07ST02**			700		
CUWBPS08ST02**			800		
CUWBPS24ST02**			2400		

**B1 = Black, W1 = White

Mid-Span Cabinet Support



CUCMSS03ST01NC

Part Number	Roof Containment	Vertical Wall Containment	Height mm	UAC/USRC
CUCMSS03ST01NC	X	X	300	UAC/USRC
CUCMSS06ST01NC			600	

Full Height Mid-Span Post



Part Number	Description	Color
CUSMPR52ST01**	Mid-span post that provides structural support to the UAC frame; required for every 2400 mm on partially populated row.	**Add B1 for Black **Add W1 for White

Rigid Roof Sections



Part Number	Dimensions (Panel Length x Aisle Width)	Color
CURFS06F04HB**	600mm x 1200mm	**Add B1 for Black **Add W1 for White
CURFS06F06HB**	600mm x 1800mm	
CURFS07F04HB**	700mm x 1200mm	
CURFS07F06HB**	700mm x 1800mm	
CURFS08F04HB**	800mm x 1200mm	
CURFS08F06HB**	800mm x 1800mm	

Net-Contain™ Universal Containment System (continued)



CUCGF06DPB1



CUEORF04DPB1



Part Number	Roof Containment	Vertical Wall Containment	Row Width mm	Cabinet Width mm	UAC/USRC
Drop Away Panels					
CUCGF04DP**	X	-	1200	X	UAC
CUCGF06DP**			1800		

**B1 = Black, W1 = White

Part Number	Roof Containment	Vertical Wall Containment	Aisle Width mm	Cabinet Width mm	UAC/USRC
End of Row Kits for Drop Away Panels					
CUEORF04DP**	X	X	1200	X	UAC
CUEORF06DP**			1800		

**B1 = Black, W1 = White

Part Number	Description
Top of Cabinet Blanking Panel	
CUTBPR0610HBN1	Top of cabinet blanking panel used to fill gaps above cabinets; needed when cabinet height is less than UAC frame size.

Part Number	Panel Height	Color
Full Height Blanking Panels		
Full blanking panel used to fill gap in containment where cabinets have not been deployed.		
CUFBPR4206HB**	42 RU	**Add B1 for Black **Add W1 for White
CUFBPR4506HB**	45 RU	
CUFBPR4806HB**	48 RU	
CUFBPR5206HB**	52 RU	

Part Number	Height Range In. (mm)	Width mm	Color
-------------	-----------------------	----------	-------

Vertical Wall (Mounted Onto UAC Frame)

Adjustable vertical wall mounted onto UAC frame to seal gap up to ceiling in aisle containment.

C2HAC06I1626**	16-26 (406-660)	600	**Add B1 for Black **Add W1 for White
C2HAC06I2638**	26-38 (660-965)		
C2HAC06I3866**	38-66 (965-1676)		
C2HAC07I1626**	16-26 (406-660)	700	
C2HAC07I2638**	26-38 (660-965)		
C2HAC07I3866**	38-66 (965-1676)		
C2HAC08I1626**	16-26 (406-660)	800	
C2HAC08I2638**	26-38 (660-965)		
C2HAC08I3866**	38-66 (965-1676)		

Net-Contain™ Universal Containment System (continued)

Part Number	Description	Color
-------------	-------------	-------

Vertical Wall Brace (Mounted Onto UAC Frame)



CUVWB12S12ST**	Vertical wall brace is mounted across the aisle between wall beams to provide extra stability in aisle containment.	**Add B1 for Black **Add W1 for White
-----------------------	---	--

Part Number	Size	Color
-------------	------	-------

Vertical Wall Adapter

Vertical wall adapter used to mount Vertical Walls to UAC frame in aisle containment.



CUVWA06S06ST**	600mm Adapter for 1200mm Aisle Width	**Add B1 for Black **Add W1 for White
CUVWA07S07ST**	700mm Adapter for 1200mm Aisle Width	
CUVWA08S08ST**	800mm Adapter for 1200mm Aisle Width	

Part Number	Roof Containment	Vertical Wall Containment	Aisle Width mm	Description	Compatible With CAC/HAC
-------------	------------------	---------------------------	----------------	-------------	-------------------------

Dual Sliding Doors

Dual sliding doors provide thermal seal at the end of the row and attach to the end of row frames.



CUD1SD**	X	X	1200/1800	Double Sliding Door	CAC/HAC
CUD2SD**				Double Sliding Door, Packaged as a Pair	

Part Number	Height Range In. (mm)	Aisle Width mm	Color
-------------	--------------------------	----------------	-------

Vertical Wall (Mounted Above End of Row Frame)



C2HACERI1626**	16-26 (406-660)	1200	**Add B1 for Black **Add W1 for White
C2HACERI2638**	26-38 (660-965)		
C2HACERI3866**	38-66 (965-1676)		

Net-Contain™ Universal Single Row Containment and Universal Aisle Containment

Part Number	Length	Color
-------------	--------	-------

Wall Beam to Wall Seal



CUSRWSK06**	Used with 600mm Wall Beams	**Add B1 for Black **Add W1 for White
CUSRWSK07**	Used with 700mm Wall Beams	
CUSRWSK08**	Used with 800mm Wall Beams	
CUSRWSK24**	Used with 2400mm Wall Beams	

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Net-Contain™ Universal Single Row Containment and Universal Aisle Containment (continued)



CUSREFRT8W1

Part Number	Roof Containment	Vertical Wall Containment	Aisle Width mm	RU	UAC/USRC
-------------	------------------	---------------------------	----------------	----	----------

End of Row Frames

CUSREFRT8^^*	X	X	900	42 RU to 45 RU	USRC
CUSREFRT9^^*				48 RU to 52 RU	

*Used with CUEFRCKITB1 conversion kit for applications with 2 rows of cabinets.

^^B1 = Black, W1 = White



CUEFRCKITB1

Part Number	Roof Containment	Vertical Wall Containment	Aisle Width mm	RU	UAC/USRC
-------------	------------------	---------------------------	----------------	----	----------

USRC to UAC Conversion Kit

CUEFRCKIT**	X	X	900	—	UAC
-------------	---	---	-----	---	-----

Attaches to end of row frames.

**B1 = Black, W1 = White



CUSRRF0S06B1

Part Number	Roof Containment	Vertical Wall Containment	Aisle Width mm	Width mm	UAC/USRC
-------------	------------------	---------------------------	----------------	----------	----------

Rigid Roof Sections

CUSRRFS06**	X	—	900	600	UAC/USRC
CUSRRFS07**				700	
CUSRRFS08**				800	

**B1 = Black, W1 = White



CUCGF03DPB1

Part Number	Roof Containment	Vertical Wall Containment	Row Width mm	Cabinet Width mm	UAC/USRC
-------------	------------------	---------------------------	--------------	------------------	----------

Drop Away Panels

CUCGF03DP**	X	—	900	—	UAC/USRC
-------------	---	---	-----	---	----------

**B1 = Black, W1 = White



CUEORF03DPB1

Part Number	Roof Containment	Vertical Wall Containment	Aisle Width mm	Cabinet Width mm	UAC/USRC
-------------	------------------	---------------------------	----------------	------------------	----------

End of Row Kits for Drop Away Panels

CUEORF03DP**	X	—	900	—	UAC/USRC
--------------	---	---	-----	---	----------

**B1 = Black, W1 = White

Net-Contain™ Universal Aisle Containment and Single Aisle Containment (continued)



CUSRVWA06B1

Part Number	Roof Containment	Vertical Wall Containment	Aisle Width mm	Vertical Wall Width	UAC/USRC
USRC Vertical Wall Adapters					
CUSRVWA06**	—	X	900	600	UAC/USRC
CUSRVWA07**				700	
CUSRVWA08**				800	

**B1 = Black, W1 = White



CUSRVWB1

Part Number	Roof Containment	Vertical Wall Containment	Aisle Width mm	Cabinet Width mm	UAC/USRC
Vertical Wall Brace					
CUSRVWB**	—	X	900	—	UAC/USRC

**B1 = Black, W1 = White



CUSRVWERI1626B1

Part Number	Roof Containment	Vertical Wall Containment	Adjustability In.	Aisle Width mm	UAC/USRC
End of Row Vertical Wall					
CUSRVWERI1626**	—	X	16-26	900	UAC/USRC
CUSRVWER2638**			26-38		
CUSRVWER3866**			38-66		

**B1 = Black, W1 = White



CUSR1SDLHB1

Part Number	Roof Containment	Vertical Wall Containment	Aisle Width mm	Description	UAC/USRC
Sliding Doors					
Used with Universal Single Row Containment and Universal Aisle Containment with 900mm Aisle Widths.					
CUSR1SDLH**	X	X	900	Single Sliding, Left Hand Opening	USRC
CUSR1SDRH**				Single Sliding, Right Hand Opening	

**B1 = Black, W1 = White



CUEOR12CPB1

Part Number	Roof Containment	Vertical Wall Containment	Aisle Width mm	UAC/USRC
End Of Row Caps				
CUSREORCP**	X	X	900	UAC/USRC
CUEOR12CP**			1200	UAC
CUEOR18CP**			1800	

**B1 = Black, W1 = White

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Direct Cold Air To Where It Is Needed



Net-Direct™ Inlet Ducts enable optimized containment by effectively directing airflow to improve network reliability

- Inlet duct solutions deliver cooling air directly from the cold aisle into the intake fans of switches
- Inlet ducts are completely passive, requiring no energy to operate and eliminating a point of failure
- Ensures front to back cooling airflow which enables an effective deployment of network switches with a Net-Contain™ Cold Aisle Containment deployment
- Inlet ducts enable reduced fan power energy consumption by allowing lower fan speeds, improving the reliability of the switch

Available for: Cisco^ Nexus, Catalyst and MDS Switches.



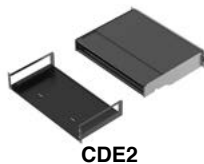
Direct Hot Air To Where It Needs To Exhaust

Net-Direct™ Exhaust Ducts direct hot exhaust air out of a cabinet away from adjacent devices within non-contained environments

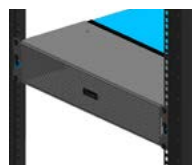
- Exhaust duct solutions channel hot exhaust air directly to the hot aisle, away from the cold air inlet of adjacent switches
- Exhaust ducts are completely passive, requiring no energy to operate and eliminating a point of failure
- Ensures switch exhaust airflow is directed to the hot aisle enabling effective deployment of network switches with a standard hot aisle/ cold aisle configuration
- Exhaust ducts enable reduced fan power energy consumption by allowing lower fan speeds, improving the reliability of the switch

Available for: Cisco^ Nexus and Catalyst Switches.

Patented In-Cabinet Ducting optimizes cooling system efficiency by establishing front-to-back airflow patterns through the cabinet.



CDE2



DIFBA2002S00S



DERLCC6509A

Part Number	Description
Air Inlet Ducting	
CDE2	Air inlet duct, 1 RU that resides in-line and below switch provides cold aisle airflow to Cisco Nexus^ N2K-C2148T-1GE, N2K-C2248TP-1GE, and N2K-C2232PP-10GE fabric extenders and Cisco^ WS-C4948E-F, WS-C4948E-F-S, and WS-C4948E-F-E. Optimized for use in server cabinet applications.
DIRLC2214M21W	Air inlet duct designed for Cisco^ Catalyst^ 6509-E switch. Consists of 2 RU top and 2 RU bottom inlet ducts and a side duct. Compatible with Net-Access™ N-Type Network Cabinets.
DIRBB2007S21W	Air inlet duct designed for Cisco^ Nexus^ 7004 switch. Consists of one 2 RU inlet duct and a side duct. Compatible with Net-Access™ N-Type Network Cabinets.
CID1RU22-23DB1	Air inlet 1 RU duct for Cisco^ Nexus^ 9372 switch, compatible with 21.5" – 23.5" switch depth.
DIFBA2002S00S	Air inlet duct for Cisco^ Nexus^ 9396 switch.
DIRLC3210S17W	Air inlet duct for Cisco^ Catalyst^ 6807XL switch.
Exhaust Ducting	
DERLCC6509A	Air exhaust duct for Net-Access™ N-Type 1070mm depth cabinets. Designed for Cisco^ Catalyst^ 6509 switch.
DERLCC7009A	Air exhaust duct for Net-Access™ N-Type 1070mm depth cabinets. Designed for Cisco^ Nexus^ 7009 switch.

^Cisco, Catalyst, and Cisco Nexus are registered trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

Thermal Sealing Accessories



FLBSIM-51



TLBP1R-V



TLBP1S-V



TLBP2R-V



RFG*X*Y



RFG*X*SMY



CTGN1X5



CTGN3X5



CTGN6X6



CTCN1X5



CTCN3X5



CTCN6X6



CTNBZL6X6

Part Number	Description	Color
-------------	-------------	-------

Blanking Shades

BEST SELLER

FLBSIM-51	Full-length blanking shade blanks out 1-51 consecutive rack units on standard 19" (482.6mm) wide vertical mounting rails.	Black
------------------	---	-------

Tool-Less Blanking Panels

TLBP1R-V10	1 RU tool-less blanking panel, round hole 19" (483mm) width for tapped rails.	White
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
TLBP1S-V10		White
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).	Black
TLBP2S-V10		White
TLBP2R-V10	2 RU tool-less blanking panel, round hole 19" (483mm) width for tapped rails.	White

CoolBoot™ Raised Floor Air Sealing Grommets - Integral Mount

RFG6X8Y	Overall size of 6" x 8" (152.4mm x 203.2mm) allows for 4.2" x 6.2" (106.7mm x 157.5mm) capacity.	Navy Blue
RFG8X8Y	Overall size of 8" x 8" (203.2mm x 203.2mm) allows for 6.2" x 6.2" (157.5mm x 157.5mm) capacity.	

CoolBoot™ Raised Floor Air Sealing Grommets - Surface Mount

RFG3DSMY	Overall size of 4.8" (121.9mm) diameter allows for 2.7" (68.6mm) diameter capacity.	Navy Blue
RFG6X8SMY	Overall size of 6" x 8" (152.4mm x 203.2mm) allows for 4.2" x 6.2" (106.7mm x 157.5mm) capacity.	
RFG8X8SMY	Overall size of 8" x 8" (203.2mm x 203.2mm) allows for 6.2" x 6.2" (157.5mm x 157.5mm) capacity.	

Also designed for retrofit application.

Part Number	Description
-------------	-------------

CoolBoot™ Cabinet Top Air Sealing Fittings

CTGN1X5	Used to seal off 1" x 5" cabinet top openings when cables are routed through the top of a cabinet. Airtight fabric and Ultra-Cinch™ Tie close top of fabric, minimizing hot air bypass around cables to improve cooling of network equipment and reduce energy costs. For use with 600mm wide Net-Access™ Cabinets.
CTGN3X5	Used to seal off 3" x 5" cabinet top openings when cables are routed through the top of a cabinet. Airtight fabric and Ultra-Cinch™ Tie close top of fabric, minimizing hot air bypass around cables to improve cooling of network equipment and reduce energy costs. For use with 600mm, 700mm and 800mm wide FlexFusion(TM) and 700mm and 800mm Net-Access™ Cabinets.
CTGN6X6	Used to seal off 6.5" x 6.5" cabinet top openings when cables are routed through the top of a cabinet. Airtight fabric and Ultra-Cinch™ Tie close top of fabric, minimizing hot air bypass around cables to improve cooling of network equipment and reduce energy costs. For use with 600mm, 700mm, 800mm, and 1000mm wide Net-Access™ Cabinets.

Cabinet Top Cover and Cable Protection Bezels

CTCN1X5	Used to seal off 1.5" x 5" cabinet top openings. Can also be used to add the CTGN1X5 to openings where the snap-on cover has been removed. For use with Net-Access™ Cabinets.
CTCN3X5	Used to seal off 3.5" x 5" cabinet top openings. Can also be used to add the CTGN3X5 to openings where the snap-on cover has been removed. For use with FlexFusion™ and Net-Access™ Cabinets.
CTCN6X6	Used to seal off 6" x 6" cabinet top openings. Can also be used to add the CTGN6X6 to openings where the snap-on cover has been removed. For use with Net-Access™ Cabinets.
CTNBZL6X6	Used to provide a protective edge for cables routed through the 6.5" x 6.5" cabinet top openings after knock-outs are removed. Can also be used to add the CTGN6X6 to openings where knock-out has been removed. For use with Net-Access™ Cabinets.

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

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



PR2VD08

Part Number	Height In. (mm)	Width In. (mm)	Depth In. (mm)	No. of Rack Units	Single or Dual Sided	No. of Doors Included	Color
BEST SELLER PR2VD06	84.0 (2130)	6.0 (152)	20.6 (523)	45	Dual	2	Black
BEST SELLER PR2VD08		8.0 (203)					
BEST SELLER PR2VD10		10.0 (254)					
BEST SELLER 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)					

Cable Management Accessories



PR2VWF

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 Racks or 4 Post Racks and PatchRunner™ 2 Vertical Cable Managers.	

PatchRunner™ 2 Enhanced Vertical Cable Manager with Vertical Patching



PE2VD12

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

PatchRunner™ 2 Horizontal Cable Management System



PR2HF2

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			

NetRunner™ Vertical Cable Management

- Integral cable retainers on the end of each finger provide easy access to route cables between fingers
- Bend radius fingers align with rack spaces to support cables as they transition to the vertical pathway
- Dual hinged covers can be opened 110° to the left or right to provide complete access to the cables inside the vertical pathway
- Vertical managers include hinged covers, mounting brackets and #12-24 screws

NetRunner™ Vertical Cable Manager



WMPV45E

Part Number	Height In. (mm)	Width In. (mm)	Depth In. (mm)	No. of Rack Units	Single or Dual Sided	Color
BEST SELLER WMPV45E	83.0 (2108)	4.9 (125)	12.0 (306)	45	Dual	Black
BEST SELLER WMPVF45E			6.5 (165)		Single	
BEST SELLER WMPVHC45E		6.7 (170)	14.1 (357)		Dual	
WMPV22E	41.5 (1054)	4.9 (125)	12.0 (306)	22		
WMPVHCF45E	83.0 (2108)	6.7 (170)	7.6 (192)	45	Single	

IN-Cabinet Vertical Cable Managers

- For managing cable within cabinets 27 inches or wider
- Attach to equipment mounting rails
- Two mounting bracket options to facilitate mounting to various cabinet configurations
- Snap-on covers included



CWMPV3440

Part Number	Height In. (mm)	Width In. (mm)	Depth In. (mm)	No. of Rack Units	Orientation	Single or Dual Sided	Color
CWMPV3340	70.0 (1778)	4.7 (119)	3.3 (83)	40	Front Mount	Single	Black
CWMPV3440	71.9 (1825)	3.5 (88)	4.3 (109)		Side Mount		

A.
Product
Showcase

Open-Access™ Horizontal Cable Managers

- D-ring managers provide an open and efficient way to manage cable
- Patented D-ring design provides flexibility for easy moves, adds, and changes
- Pass-through holes allow front to rear cabling
- Mount to 19" EIA racks and cabinets
- Hardware included
- Ideal when positioning managers above and below a 1 RU patch panel or switch for better port access



CMPHF1

Part Number	Height In. (mm)	Width In. (mm)	Depth In. (mm)	No. of Rack Units	Single or Dual Sided	Color
CMPHF1	1.7 (44)	19.0 (483)	8.6 (218)	1	Single	Black
CMPHF2	3.5 (88)			2		

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

PatchLink™ Horizontal Cable Managers

- Lightweight plastic construction provides durability and easy installation
- Patented dual hinged cover allows cable access without removing cover
- Rounded edges on fingers protect cables from snags and damage to cable
- Flexible fingers allows easy installation and removal of cables
- Pass-through holes allow front to rear cabling
- Covers and #12-24 mounting screws included
- Recommended for use with NetRunner™ WMPVHC45E and WMPVHCF45E Vertical Managers found on page G.19



WMPF1E

Part Number	Height In. (mm)	Width In. (mm)	Depth In. (mm)	No. of Rack Units	Single or Dual Sided	Color
BEST SELLER WMP1E	3.5 (89)	19.0 (483)	8.9 (226)	2	Dual	Black
BEST SELLER WMPF1E			3.7 (94)		Single	
BEST SELLER WMPH2E			8.9 (226)		Dual	
BEST SELLER WMPFSE	1.7 (44)		2.7 (69)	1	Single	
BEST SELLER WMPSE			8.9 (226)		Dual	
WMPHF2E	3.5 (89)		3.7 (94)	2	Single	
WMPLEFSE	1.7 (44)		2.7 (69)	1		
WMPLESE			7.9 (200)		Dual	

NetManager™ High Capacity Horizontal Cable Managers

- Innovative inset fingers slope inward toward back of managers offering unobstructed access to network cabling for easier moves, adds, and changes
- Rear cable management finger spacing utilizes open D-rings for greater accessibility
- Can be used to create large capacity horizontal pathways for routing cable
- Patented front and rear dual hinged cover allows cable access without removing cover
- Pass-through holes allow for front to rear cabling
- Built in cable retainers hold cable in place for easy moves, adds, and changes
- Covers and #12-24 mounting screws included
- Recommended for use with NetRunner™ WMPVHC45E Vertical Manager or PatchRunner™ 2 Vertical Managers found on pages G.18–G.19



NMF1



NMF2WH

Part Number	Height In. (mm)	Width In. (mm)	Depth In. (mm)	No. of Rack Units	Single or Dual Sided	Color
NMF1	1.7 (44)	19.0 (482)	6.2 (157)	1	Single	Black
NMF2	3.5 (88)			2		
NM1	1.7 (44)		13.1 (332)	1	Dual	
NM2	3.5 (88)			2		
NMF1WH	1.7 (44)		6.2 (157)	1	Single	White
NMF2WH	3.5 (88)			2		

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
- Panduit 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



R4PCN

Part Number	Height In. (mm)	Width In. (mm)	Depth In. (mm)	No. of Rack Units	Equipment Rails	Load Capacity Lbs.	Color
BEST SELLER R4P	84.0 (2134)	23.3 (591)	30.0 (762)	45	#12-24 Threaded	2500	Black
BEST SELLER R4PCN			Cage Nut				
R4P23CN							
R4P36			36.0 (914)		#12-24 Threaded		
R4P36CN			Cage Nut				
R4P42CN							

A.
Product
Showcase

Adjustable Depth 4 Post Racks



AR4P

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

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

2 Post Cable Management Rack System

- Printed rack space identification on all equipment rails allows for quick location of rack spaces; numbers up per TIA606 specifications
- Double-sided #12-24 EIA universal mounting hole spacing
- 24 #12-24 mounting screws included
- When mounting NetRunner™ Managers to channel rack R2P6S, utilize side mount kit WMPVSMK
- Multiple mounting hole locations in each base angle
- Can be used with all Panduit cable management and patch panel products in addition to any industry standard 19" components
- Paint piercing washers included to electrically bond rack for simplified grounding; for the complete grounding solution, StructuredGround™ Kits for racks, see page G.27

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt



R2P

Part Number	Height In. (mm)	Width In. (mm)	Depth In. (mm)	No. of Rack Units	Equipment Rails	Load Capacity Lbs.	Color
BEST SELLER R2P	84.0 (2134)	20.3 (516)	3.0 (76)	45	#12-24 Threaded	1000	Black
R2P6S			6.0 (152)			1500	

H.
Power and
Connectivity
Management

Rack Mount Shelves

- Mounting hardware included
- Vented shelves provide better heat distribution for active equipment



RSHLF

Part Number	Description	Height In. (mm)	Width In. (mm)	Depth In. (mm)	No. of Rack Units	Material	Load Rating Lbs.	Color
SRM19FM1	2 Post Rack Mount Shelf.	1.7 (44)	19.0 (483)	15.2 (385)	1	Steel	30	Black
RSHLF	4 Post Rack Mount Shelf.			30.0 (762)			275	

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Rack Filler Panels

- Direct airflow in cabinet applications
- Mount to standard EIA 19" racks or cabinets
- Reserve rack unit space for future use



DPFP1

Part Number	Height In. (mm)	Width In. (mm)	No. of Rack Units	Color
DPFP1	1.7 (44)	19.0 (483)	1	Black
DPFP2	3.5 (88)		2	

Brackets and Blanking Panels



PEB1

Part Number	Description	No. of Rack Units	Color
Panel Extender Brackets			
PEB1	Set of two brackets, allows 19" rack mountable accessories to mount to 23" wide rack.	1	Black
PEB2		2	



CVPDUB

Part Number	Description	Color
4 Post PDU Bracket		
CVPDUB	PDU bracket kit vertically mounts power distribution units (PDUs) to the back of 4 post racks.	Black
2 Post PDU Bracket		
R2PPDUB	Mounts power distribution units (PDUs) to the back of 2 post racks.	Black
Blanking Panel		
BR1B	Brush seal blanking panel with front to back cable pass-through 1 RU.	Black

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

PanZone™ Consolidation Point Box Enclosures

- Provides a point of connection and configuration within the permanent link to allow interconnection/cross connection to a network service or device
- The use of these enclosures in a zone cable application provides accessibility and flexibility to reconfigure cable runs
- Meets frequently changing organizational requirements and reducing network downtime when reconfigurations happen
- Capable of managing Mini-Com™ Modular Panels used with snap in modular faceplates and 19-inch patch panels
- Versatility in configurations accepts interchangeable modular patch panels for use with Mini-Com™ Products, NetKey™ Products, QuickNet™ Products, or fiber products
- Removable cover protects connection points
- Large openings for cable entry/exit allow for optimum cable capacity and maintains cable bend radius
- Foam around cable entry and exit points, protects from excess dust and debris
- Removable modular panels and patch panels quick drop-in panel design allows for time savings on installation, termination, and reconfiguration and allows for easier access to ports



CPB6BL

Part Number	Width In. (mm)	Depth In. (mm)	Height In. (mm)	No. of Rack Units	No. of Ports	Material	Color
BEST SELLER CPB6BL	7 (177.8)	6.99 (177.5)	2.48 (63)	1	6	Steel	Black
BEST SELLER CPB12BL	11.3 (287)	7.15 (181.6)			12		
BEST SELLER CPB24BL	20.15 (511.8)	12.15 (308.6)	1.93 (49.1)		24		
BEST SELLER CPB48BL			3.74 (95)	2	48		

PanZone™ TrueEdge™ Wall Mount Enclosures

- The low-profile enclosure provides an efficient way to deploy switch and server systems in an open architecture environment
- Capable of being used as a telecommunications room, extension of the telecommunications room, micro data center, or edge deploy
- Capable of mounting up to 36 inches of active equipment depth and has the capability of vertical patching
- Engineered to properly ventilate for use with various networking equipment such as, but not limited to, Power over Ethernet (PoE) Switches and Uninterrupted Power Supplies (UPS)
- Removable, perforated top and bottom is optimal for air flow, heat dissipation, and equipment access
- Adjustable equipment brackets for accommodation of server and/or switch applications
- Removable and secure top cover and bottom plate allow for easy installation and provides secure access to installed equipment
- Load rating to accommodate a static load of up to 400 lbs.
- Easily installed by one person
- Compatible with SmartZone™ Handles and Systems
- Accessories to mount patch panels and horizontal PDUs



WME6BL

Part Number	Width In. (mm)	Depth In. (mm)	Height In. (mm)	No. of Rack Units	No. of Ports	Material	Color
WME3BL	28.6 (12.97)	9.5 (4.31)	42 (19.05)	3	200	Steel	Black
WME6BL		14.8 (6.71)		6	300		
WME9BL		20 (9.07)		9	400		

PanZone™ Wall Mount Cabinets

- Holds 12 RU of active and passive network equipment plus two additional rack units for power strips and small electronic devices (modems, routers, power strips, etc.)
- Thermal management design (vents, perforated doors, and optional fan) optimizes air flow for improved heat dissipation
- Installed as hinged right or hinged left
- Conduit and wireless access point antenna knockouts provided
- Rear hinging access manages the back of the cabinet
- Accessories include horizontal slack manager, bend radius posts, rear equipment rail kit, and exhaust fan
- Working load rating of 250 lbs.
- Adjustable rails mount at 1 inch increments to accommodate various depths of network equipment including PoE switches
- Individual rack spaces are identified for ease of equipment mounting
- Keys to secure front and rear doors and side panels



PZWMC12W



PZWMC1230WH

Part Number	Width In. (mm)	Depth In. (mm)	Height In. (mm)	No. of Rack Units	Material	Color	Door Type
PZWMC12P	25 (635)	25 (635)	23.8 (604.5)	12	Steel	Black	Perforated
BEST SELLER PZWMC12W			34 (863.6)	18			Window
PZWMC18W			48.2 (1224.3)	26			
PZWMC26W		30 (762)	23.8 (604.5)	12		White	
PZWMC1230W			34 (863.6)	18		Black	
PZWMC1230WH			48.2 (1224.3)	26		White	
PZWMC1830W						Black	
PZWMC1830WH						White	
PZWMC2630W						Black	
PZWMC2630WH						White	

PanZone™ Basic In-Ceiling Enclosures

- Hinged door with integrated 110 V exhaust fan and gas assist air cylinders for restraining the load on the ceiling door when opening
- Ceiling tile brackets and cutout template for inserting ceiling tile on the enclosure door
- Thermal management design optimizes air flow for improved heat dissipation; ideal for high heat load network equipment
- Two-tier mounting bracket accommodates two rack spaces of active equipment up to 17.5 inches deep and three additional rack spaces up to 13.5 inches deep for improved network design flexibility
- 50 lb. door weight capacity
- Includes door plate, equipment mounting bracket, and integrated horizontal cable slack manager
- AC power ready – receptacle not included
- Includes low decibel 60 CFM fan
- Keys for locking latch to secure the ceiling door
- UL 2043 rated and UL 1863 rated



PZICEA

Part Number	Width In. (mm)	Depth In. (mm)	Height In. (mm)	No. of Rack Units	Load Capacity Lbs.	Material	Color
PZICEA	23.5 (596.9)	27.23 (691.6)	13.43 (341.1)	5	50	Steel	White

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index



PanZone™ Overhead Distribution Racks

- Ideal solution for adding more rack spaces above racks or cabinets in data centers or telecommunication rooms
- Universal mounting bracket can be mounted to most industry ladder racks, wire basket, or suspended by a threaded rod from ceiling
- 60 or 80 lb. load rating
- Cable management accessories available



Part Number	Width In. (mm)	Depth In. (mm)	Height In. (mm)	No. of Rack Units	Equipment Rails	Load Capacity Lbs.	Material	Color
PZLRB4U	20.3 (515)	6.4 (161)	12.4 (317)	4	Threaded #12-24	60	Steel	Black
PZLRB6U	16 (405)		16 (405)	6		80		

Brackets and Accessories



Part Number	Description
PZWMC12RR	PanZone™ Wall Mount Cabinet 12 RU Rear Rails Kit.
WME0UB	0 RU Bracket for Vertical Wall Mount Enclosure.
WME31RU	1 RU Bracket for WME3BL.
WME3ERAIL	Equipment Rails for WME3BL.
WMEBR	Wall Mount Enclosure Brushed Entry Kit.
WBH1	Hinged Wall Mount Bracket, 1 RU, 6 inches in depth (152mm).



Grounding and Bonding Equipment Bonding Jumper Kit

- Bonds the rack or cabinet to the MCBN
- Engineered to comply with US and International grounding requirements

- HTAP is UL Listed and CSA Certified for applications up to 600 V when crimped with Panduit and specified competitor crimping tools, and Panduit crimping dies



Part Number	MCBN Conductor Size AWG	Description
BEST SELLER 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.

*HTAPs also sold separately.



Grounding Busbar



Part Number	Description
Grounding Busbar Kits for Threaded Rail Fasteners	
BEST SELLER 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 Strip

- Bonds up to 45 RU per Rack with Threaded Rail Fasteners with an EIA Universal Mounting Hole Pattern

- Engineered to comply with US and international grounding requirements



Part Number	Description
BEST SELLER RGS134-1Y	Grounding strip; 78.65" (2m) length; .67" (17mm) width; .05" (1.27mm) thickness; provided with .16 oz. (5cc) of antioxidant, one grounding sticker and three each #12-24 x 1/2" and M6 x 12mm thread-forming screws.

PATENTED

Green Bonding Cage Nut Kit

- Creates an electrical bond between the mounting rails and equipment that conforms to EIA-310 specifications for racks and cabinets

- Made from high carbon steel and installed with a Phillips, flat blade, or nut screwdriver



Part Number	Description
BEST SELLER CNBK	Green bonding cage nut, includes 50 #12-24 bonding cage nuts (.06 – .11 thick panel) and 50 #12-24 x 1/2" bonding screws with #2 Phillips/slotted combo hex head (use 5/16" or 8mm socket).

A.
Product Showcase

B.
Copper Systems

C.
Fiber Systems

D.
Industrial Networks

E.
Audio Video Systems

F.
Keystone Cabling Systems

G.
Cabinets, Thermal Mgmt, Racks, Enclosures & Cable Mgmt

H.
Power and Connectivity Management

I.
Cable Management Accessories

J.
Cable Routing Systems

K.
Cable Cleats

L.
Part Number Index

A. Product Showcase
B. Copper Systems
C. Fiber Systems
D. Industrial Networks
E. Audio Video Systems
F. Keystone Cabling Systems
G. Cabinets, Thermal Mgmt, Racks, Enclosures & Cable Mgmt
H. Power and Connectivity Management
I. Cable Management Accessories
J. Cable Routing Systems
K. Cable Cleats
L. Part Number Index

Notes

Table of Contents

SmartZone™ G5 Power Distribution Units (PDUs).....	H.2 – H.4
Monitored Input (MI Series).....	H.2
Monitored Switched (MS Series)	H.3
Monitored Per Outlet (MPO Series)	H.3
Monitored and Switched Per Outlet (MSPO Series).....	H.4
Basic	H.4
SmartZone™ G5 Accessories.....	H.5
Environmental.....	H.5
Security	H.5
Dual Locking Power Cords	H.6
SmartZone™ PViQ™ Connectivity.....	H.7
SmartZone™ PViQ™ Patch Panels	H.11
PViQ™ Intelligent Modules	H.13
PViQ™ Power Supply	H.13
PViQ™ Patch Cords.....	H.14

**A.
Product
Showcase**
**B.
Copper
Systems**
**C.
Fiber
Systems**
**D.
Industrial
Networks**
**E.
Audio
Video
Systems**
**F.
Keystone
Cabling
Systems**
**G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt**
**H.
Power and
Connectivity
Management**
**I.
Cable
Management
Accessories**
**J.
Cable
Routing
Systems**
**K.
Cable
Cleats**
**L.
Part
Number
Index**

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

SmartZone™ G5 Power Distribution Units (PDUs)



1U (SLIM)



1U



2U



0U HALF



0U MID



0U FULL

Dimensions

Form Factor	Height In. (mm)	Width In. (mm)	Depth In. (mm)
1U (SLIM)	1.6 (40.6)	17.5 (444.5)	2.0 (50.8)
1U	1.7 (43.2)		7.8 (198.1)
2U	3.4 (86.4)		
0U HALF	32.2 (817.9)	2.0 (50.8)	2.1 (53.3)
0U MID	58.7 (1491)		2.1 (53.3)
0U FULL	68.9 (1750.1)		

Mounting: Vertical units do not occupy the EIA space. Horizontal units mount in standard (1U or 2U) EIA rack space.

Monitored Input (MI Series)

- Provides aggregate PDU monitoring to quickly identify potential power issues and reclaim available or under-utilized power capacity
- Can also be used for environmental monitoring through sensors and electronic rack access control through electronic swing-handles (each sold separately)

Part Number	Input Current Per Phase	Form Factor	Input Plug Type	Apparent Power (kVA)	Outlet Count	Outlet Configuration	Length (mm)	Width (mm)	Depth (mm) at Outlet Position	Std. Pkg. Qty.
100-240 VAC, 1-Phase										
P12D36M	16	1U	IEC 60309 2P+E 6h	3.7	12	(12)C13	44.0	443.5	269.8	1
P24D40M	16	0U MID	IEC 60309 2P+E	3.7	24	(20)C13, (4)C19	1490.0	52.0	53.0	1
200-240 VAC, 1-Phase										
P16D37M	32	2U	IEC 60309 2P+E 6h	7.4	16	(12)C13, (4)C19	87.0	443.5	269.8	1
P24D03M	32	0U MID	IEC 60309 2P+E 6h	7.4	24	(20)C13, (4)C19	1490.0	52.0	53.0	1
P34D41M	32	0U FULL	IEC 60309 2P+E 6h	7.4	34	(28)C13, (6)C19	1750.0	52.0	53.0	1
P42D06M	32	0U FULL	IEC 60309 2P+E 6h	7.4	42	(36)C13, (6)C19	1750.0	52.0	53.0	1
200-240/346-415 VAC, 3-Phase										
P06D38M	16	1U	IEC 60309 3P+N+E 6h	11.0	6	(6)C19	44.0	443.5	269.8	1
P06D39M	32	1U	IEC 60309 3P+N+E 6h	22.0	6	(6)C19	44.0	443.5	269.8	1
P30D05M	16	0U MID	IEC 60309 3P+N+E 6h	11.0	30	(24)C13, (6)C19	1490.0	52.0	53.0	1
P42D42M	16	0U FULL	IEC 60309 3P+N+E 6h	11.0	42	(36)C13, (6)C19	1750.0	52.0	53.0	1
P24D43M	32	0U FULL	IEC 60309 3P+N+E 6h	22.0	24	(12)C13, (12)C19	1750.0	52.0	53.0	1
P42D04M	32	0U FULL	IEC 60309 3P+N+E 6h	22.0	42	(30)C13, (12)C19	1750.0	52.2	53.0	1

Monitored Switched (MS Series)

- Provides aggregate power monitoring as well as outlet level switching capabilities for individual outlets or an outlet bank
- Can also be used for environmental monitoring through sensors and electronic rack access control through electronic swing-handles (each sold separately)

Part Number	Input Current Per Phase	Form Factor	Input Plug Type	Apparent Power (kVA)	Outlet Count	Outlet Configuration	Length (mm)	Width (mm)	Depth (mm) at Outlet Position	Std. Pkg. Qty.
100-240VAC, 1-Phase										
P08E25M	16	1U	IEC 60309 2P+E 6h	3.7	8	(8)C13	44.0	443.5	269.8	1
P16E27M	16	0U HALF	IEC 60309 2P+E 6h	3.7	16	(12)C13, (4)C19	917.0	52.0	53.0	1
P24E04M	16	0U MID	IEC 60309 2P+E 6h	3.7	24	(20)C13, (4)C19	1490.0	52.0	53.0	1
200-240VAC, 1-Phase										
P08E05M	32	1U	IEC 60309 2P+E 6h	7.4	8	(8)C13	44.0	443.5	269.8	1
P16E26M	32	2U	IEC 60309 2P+E 6h	7.4	16	(12)C13, (4)C19	87.0	443.5	269.8	1
P24E01M	32	0U FULL	IEC 60309 2P+E 6h	7.4	24	(20)C13, (4)C19	1750.0	52.0	53.0	1
P32E06M	32	0U FULL	IEC 60309 2P+E 6h	7.4	32	(24)C13, (8)C19	1750.0	52.0	53.0	1
P44E07M	32	0U FULL - wide	IEC 60309 2P+E 6h	7.4	44	(38)C13, (6)C19	1750.0	85.0	53.0	1
200-240/346-415VAC, 3-Phase										
P24E02M	16	0U FULL	IEC 60309 3P+N+E	11.0	24	(18)C13, (6)C19	1750.0	52.0	53.0	1
P36E08M	16	0U FULL	IEC 60309 3P+N+E 6h	11.0	36	(30)C13, (6)C19	1750.0	52.0	53.0	1
P24E03M	32	0U FULL	IEC 60309 3P+N+E 6h	22.0	24	(12)C13, (12)C19	1750.0	52.0	53.0	1
P36E09M	32	0U FULL Wide	IEC 60309 3P+N+E 6h	22.0	36	(24)C13, (12)C19	1750.0	85.0	53.0	1

Monitored Per Outlet (MPO Series)

- Can provide outlet level and aggregate power monitoring to quickly identify potential power issues and reclaim available or under-utilized power capacity at the outlet level
- Can also be used for environmental monitoring through sensors and electronic rack access control through electronic swing-handles (each sold separately)

Part Number	Input Current Per Phase	Form Factor	Input Plug Type	Apparent Power (kVA)	Outlet Count	Outlet Configuration	Length (mm)	Width (mm)	Depth (mm) at Outlet Position	Std. Pkg. Qty.
100-240VAC, 1-Phase										
P24F06M	32	0U FULL	IEC 60309 2P+E 6h	7.4	24	(20)C13, (4)C19	1750.0	52.0	53.0	1
P32F10M	32	0U FULL	IEC 60309 2P+E 6h	7.4	32	(24)C13, (8)C19	1750.0	52.0	53.0	1
415VAC, 3-Phase										
P36F12M	16	0U FULL	IEC 60309 3P+N+E 6h	11.0	36	(30)C13, (6)C19	1750.0	52.0	53.0	1
P24F08M	32	0U FULL	IEC 60309 3P+N+E 6h	22.0	24	(12)C13, (12)C19	1750.0	52.0	53.0	1
P36F13M	32	0U FULL - wide	IEC 60309 3P+N+E 6h	22.0	36	(24)C13, (12)C19	1750.0	85.0	53.0	1

A.
Product ShowcaseB.
Copper SystemsC.
Fiber SystemsD.
Industrial NetworksE.
Audio Video SystemsF.
Keystone Cabling SystemsG.
Cabinets, Thermal Mgmt, Racks, Enclosures & Cable MgmtH.
Power and Connectivity ManagementI.
Cable Management AccessoriesJ.
Cable Routing SystemsK.
Cable CleatsL.
Part Number Index

Monitored and Switched Per Outlet (MSPO Series)

- Can provide outlet level and aggregate power monitoring to quickly identify potential power issues and reclaim available or under-utilized power capacity at the outlet level
- Can also be used for environmental monitoring through sensors and electronic rack access control through electronic swing-handles (each sold separately)

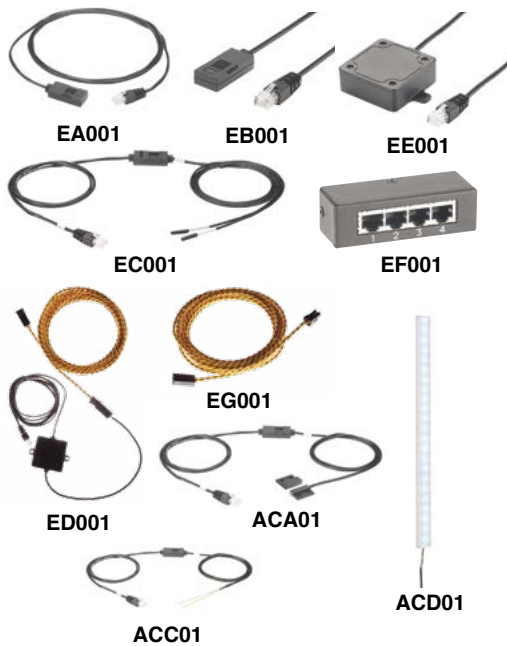
Part Number	Input Current Per Phase	Form Factor	Input Plug Type	Apparent Power (kVA)	Outlet Count	Outlet Configuration	Length (mm)	Width (mm)	Depth (mm) at Outlet Position	Std. Pkg. Qty.
100-240VAC, 1-Phase										
P08G10M	16	1U	IEC 60309 2P+E 6h	3.7	8	(8)C13	44.0	443.5	269.8	1
P24G11M	16	0U MID	IEC 60309 2P+E 6h	3.7	24	(20)C13, (4)C19	1490.0	52.0	53.0	1
200-240VAC, 1-Phase										
P08G12M	32	1U	IEC 60309 2P+E 6h	7.4	8	(8)C13	44.0	443.5	269.8	1
P24G06M	32	0U FULL	IEC 60309 2P+E 6h	7.4	24	(20)C13, (4)C19	1750.0	52.0	53.0	1
P32G13M	32	0U FULL	IEC 60309 2P+E 6h	7.4	32	(24)C13, (8)C19	1750.0	52.0	53.0	1
P44G14M	32	0U FULL - wide	IEC 60309 2P+E 6h	7.4	44	(38)C13, (6)C19	1750.0	85.0	53.0	1
200-240/346-415 VAC, 3-Phase										
P36G15M	16	0U FULL	IEC 60309 3P+N+E 6h	11.0	36	(30)C13, (6)C19	1750.0	52.0	53.0	1
P24G08M	32	0U FULL	IEC 60309 3P+N+E 6h	22.0	24	(12)C13, (12)C19	1750.0	52.0	53.0	1
P36G16M	32	0U FULL Wide	IEC 60309 3P+N+E 6h	22.0	36	(24)C13, (12)C19	1750.0	85.0	53.0	1

Basic Power Distribution Units

- Basic PDUs have the capability to distribute highly reliable power to IT equipment in the rack or cabinet

Part Number	Input Current Per Phase	Form Factor	Input Plug Type	Apparent Power (kVA)	Outlet Count	Outlet Configuration	Length (mm)	Width (mm)	Depth (mm) at Outlet Position	Std. Pkg. Qty.
100-240VAC, 1-Phase										
P12B34M	16	1U	IEC 60309 2P+E 6h 16A	3.7	12	(12)C13	44.0	443.5	269.8	1
P22B39M	16	0U HALF	IEC 60309 2P+E 6h 16A	3.7	22	(20)C13, (2)C19	917.0	52.0	53.0	1
200-240VAC, 1-Phase										
P06B35M	32	1U	IEC 60309 2P+E 6h 32A	7.4	6	(6)C19	44.0	443.5	269.8	1
P12B36M	32	1U	IEC 60309 2P+E 6h 32A	7.4	12	(12)C13	44.0	443.5	269.8	1
P20B40M	32	0U HALF	IEC 60309 2P+E 6h 32A	7.4	20	(20)C13	917.0	52.0	53.0	1
P30B06M	32	0U MID	IEC 60309 2P+E 6h 32A	7.4	30	(24)C13, (6)C19	1490.0	52.0	53.0	1
P42B42M	32	0U MID	IEC 60309 2P+E 6h 32A	7.4	42	(24)C13, (6)C19	1490.0	52.0	53.0	1
P36B43M	48	0U MID	IEC 60309 2P+E 6h 63A	11.0	36	(24)C13, (6)C19	1490.0	52.0	53.0	1
200-240/346-415 VAC, 3-Phase										
P06B37M	16	1U	IEC 60309 3P+N+E 6h 16A	11.0	6	(6)C19	44.0	443.5	269.8	1
P06B38M	32	1U	IEC 60309 3P+N+E 6h 32A	22.0	6	(6)C19	44.0	443.5	269.8	1
P42B44M	16	0U MID	IEC 60309 3P+N+E 6h 16A	11.0	42	(24)C13, (6)C19	1490.0	85.0	53.0	1
P30B13M	16	0U MID	IEC 60309 3P+N+E 6h 16A	11.0	30	(36)C13, (6)C19	1490.0	52.0	53.0	1
P24B12M	32	0U FULL	IEC 60309 3P+N+E 6h 32A	22.0	24	(12)C13, (12)C19	1750.0	52.0	53.0	1
P42B11M	32	0U FULL	IEC 60309 3P+N+E 6h 32A	22.0	42	(30)C13, (12)C19	1750.0	52.0	53.0	1

SmartZone™ G5 Accessories Environmental



Part Number	Description	Dimensions L x W x H (mm)	Length (M)	Std. Pkg. Qty.	Std. Ctn. Qty.
EA001	Temperature Sensor	44 x 21 x 11	2	1	1
EB001	Temperature + Humidity Sensor	44 x 21 x 11	2	1	—
EC001	3 Temperature + Humidity Sensor	44 x 21 x 11	2	1	—
ED001	Water – Rope	60 x 60 x 22	2	1	—
EE001	Water – Spot	60 x 60 x 22	5	1	—
EF001	3 Sensor Hub	85 x 32 x 27	N/A	1	—
EG001	Water – Rope extension	N/A	2	1	—
ACA01	Door Switch (magnetic 2 piece)	44 x 21 x 11 (29 x 19 x 7 for magnet)	1	1	1
ACC01	Dry Contact Input	44 x 21 x 11	1.8	1	—
ACD01	USB Light Strip	382 x 17 x 12	N/A	1	—

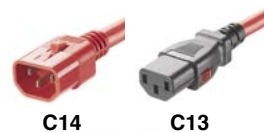
Security



Part Number	Description	Length (M)	Std. Pkg. Qty.
ACF05	SmartZone™ Security Handle with Humidity Sensor and Card Reader	N/A	1
ACF06	SmartZone™ Security Handle with Humidity Sensor and Card Reader + Keypad	N/A	1
ACF10	SmartZone™ Handle T + Door Sensor	2.3	1
ACF11	SmartZone™ Handle 3T + Door Sensor	3.0	1
ACF20	SmartZone™ Handle to iPDU Harness	2.8	1

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

Dual Locking Power Cords



C14

C13



C14

C13



C14

C13



IEC C20

IEC C19



IEC C20

IEC C19



IEC C20

IEC C19



Part Number (10 pk)	Description	Ratings	Gauge/Cross Section Area	Jacket	Connector Angle	Length (M)	Color
Locking Cable Images C14 to C13							
LPCA01X	IEC C14 to IEC C13	10A/250V	17AWG/ 1.0mm ²	SJT/H05VV-F	Straight	0.6	Red
LPCA02X	IEC C14 to IEC C13	10A/250V	17AWG/ 1.0mm ²	SJT/H05VV-F	Straight	0.9	Red
LPCA03X	IEC C14 to IEC C13	10A/250V	17AWG/ 1.0mm ²	SJT/H05VV-F	Straight	1.2	Red
LPCA04X	IEC C14 to IEC C13	10A/250V	17AWG/ 1.0mm ²	SJT/H05VV-F	Straight	1.8	Red
LPCA06X	IEC C14 to IEC C13	10A/250V	17AWG/ 1.0mm ²	SJT/H05VV-F	Straight	0.6	Blue
LPCA07X	IEC C14 to IEC C136	10A/250V	17AWG/ 1.0mm ²	SJT/H05VV-F	Straight	0.9	Blue
LPCA08X	IEC C14 to IEC C13	10A/250V	17AWG/ 1.0mm ²	SJT/H05VV-F	Straight	1.2	Blue
LPCA09X	IEC C14 to IEC C13	10A/250V	17AWG/ 1.0mm ²	SJT/H05VV-F	Straight	1.8	Blue
LPCA11X	IEC C14 to IEC C13	10A/250V	17AWG/ 1.0mm ²	SJT/H05VV-F	Straight	0.6	Black
LPCA12X	IEC C14 to IEC C13	10A/250V	17AWG/ 1.0mm ²	SJT/H05VV-F	Straight	0.9	Black
LPCA13X	IEC C14 to IEC C13	10A/250V	17AWG/ 1.0mm ²	SJT/H05VV-F	Straight	1.2	Black
LPCA14X	EC C14 to IEC C13	10A/250V	17AWG/ 1.0mm ²	SJT/H05VV-F	Straight	1.8	Black
Locking Cable Images IEC C20 to IEC C19							
LPCB01X	IEC C20 to IEC C19	16A/250V	15AWG/ 1.5mm ²	SJT/H05VV-F	Straight	0.6	Red
LPCB02X	IEC C20 to IEC C19	16A/250V	15AWG/ 1.5mm ²	SJT/H05VV-F	Straight	0.9	Red
LPCB03X	IEC C20 to IEC C19	16A/250V	15AWG/ 1.5mm ²	SJT/H05VV-F	Straight	1.2	Red
LPCB04X	IEC C20 to IEC C19	16A/250V	15AWG/ 1.5mm ²	SJT/H05VV-F	Straight	1.8	Red
LPCB06X	IEC C20 to IEC C19	16A/250V	15AWG/ 1.5mm ²	SJT/H05VV-F	Straight	0.6	Blue
LPCB07X	IEC C20 to IEC C19	16A/250V	15AWG/ 1.5mm ²	SJT/H05VV-F	Straight	0.9	Blue
LPCB08X	IEC C20 to IEC C19	16A/250V	15AWG/ 1.5mm ²	SJT/H05VV-F	Straight	1.2	Blue
LPCB09X	IEC C20 to IEC C19	16A/250V	15AWG/ 1.5mm ²	SJT/H05VV-F	Straight	1.8	Blue
LPCB11X	IEC C20 to IEC C19	16A/250V	15AWG/ 1.5mm ²	SJT/H05VV-F	Straight	0.6	Black
LPCB12X	IEC C20 to IEC C19	16A/250V	15AWG/ 1.5mm ²	SJT/H05VV-F	Straight	0.9	Black
LPCB13X	IEC C20 to IEC C19	16A/250V	15AWG/ 1.5mm ²	SJT/H05VV-F	Straight	1.2	Black
LPCB14X	IEC C20 to IEC C19	16A/250V	15AWG/ 1.5mm ²	SJT/H05VV-F	Straight	1.8	Black

SmartZone™ PViQ™ Connectivity

Research shows that half of all network problems arise from issues in the physical infrastructure. Yet the physical infrastructure is largely overlooked. Without real-time monitoring and visibility into dense physical layer connectivity and related data center infrastructure information, enterprises are vulnerable to a number of risks such as malicious disconnects or malicious tracing (to steal private information), and avoiding accidental disconnects creating unnecessary downtime.



Front View



Rear View



Panduit SmartZone™ Connectivity combines Panduit PViQ™ Connectivity Hardware and Panduit PViQ™ Connectivity Firmware to provide a secure connectivity solution.

Giving the user higher network visibility through intelligent monitoring devices and pre-defined WebGUI dashboards.

This solution will enhance security by monitoring for equipment disconnects in data centers as well as remote Edge Data Center & Colo Data Center for tenants.

This combined approach helps optimize data center operations as enterprises embark on server virtualization, private and cloud computing initiatives.

Part of Panduit's End-To-End Intelligent Data Center Solutions

Physical Infrastructure Management PanView iQ™ (PViQ™) System Hardware is a critical part of Panduit's Intelligent Data Center Solutions, which embody the next wave of systems integration and risk management by aligning and harmonizing critical systems to support the delivery of secure, energy-efficient, always-on, real-time data and services.

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

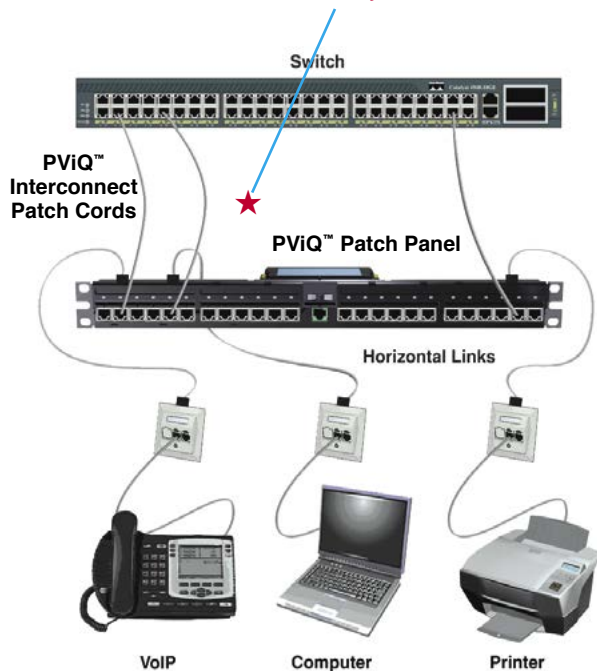
SmartZone™ PViQ™ Connectivity Firmware

The Firmware provides the user a simple interface with a connectivity dashboard page for visual network connectivity status, patch configuration page to enable port provisioning, alarm page to show descriptive active alarms, and log page to show historical events of patching activity plus many more features.

- Per port security policy setting, monitoring and alerting
- Real-time information on network connectivity status
- Monitor and alert of any patch field changes
- Monitor connectivity-based security risks
- Harden security with advanced encryption
- WebGUI-based management system
- Interconnect and cross-connect connections
- Cable presence detection assurance
- Cable mapping and visual tracing
- Copper and fiber options
- Field upgradeable panel



Set Port Security Policy for Interconnect and Cross-Connect
Cord Disconnect or Connect Security Alert:



PViQ™ Standalone Solution

- Local visual alert
- Recovery instructions
- Audit trail completed
- Event alert sent

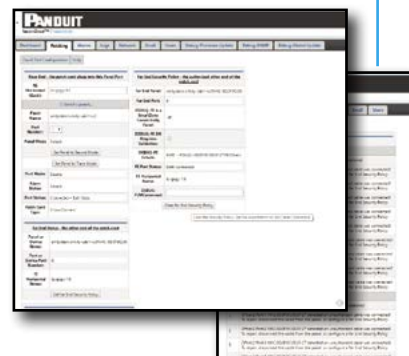


Real-Time Traps & Email (Disconnect, Connect, etc.)

WebGUI for remote access, configuration and upgrade

BYOD & Browser

Dashboards
Alarms
History



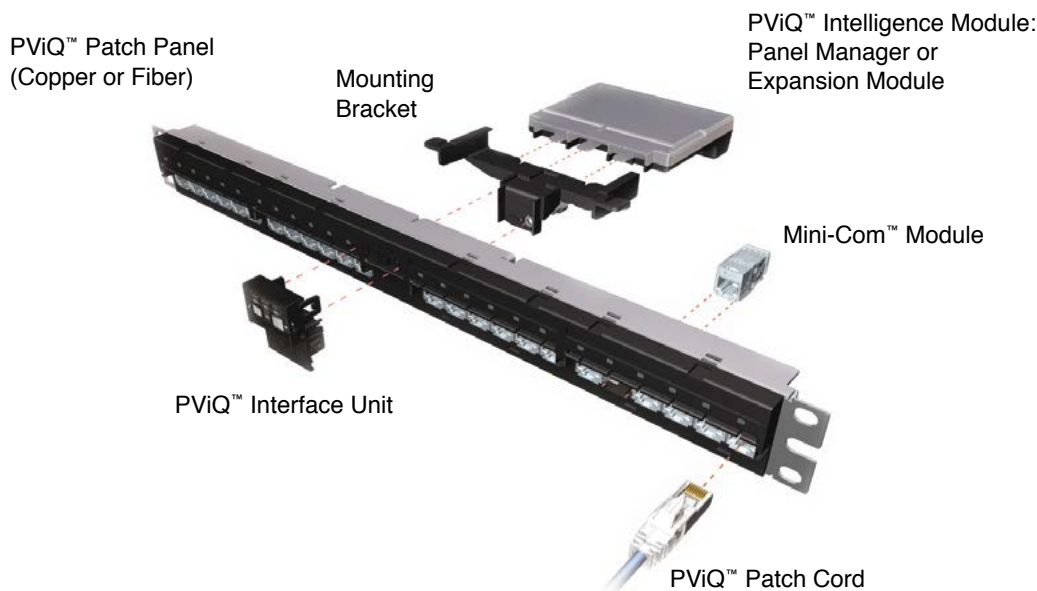
SmartZone™ PViQ™ Connectivity Hardware

As part of the SmartZone™ Solutions portfolio, Panduit's PViQ™ System Hardware combines industry-leading innovation of intelligent cabinet devices with complete system management. This combination of active patch panels, cabling, power distribution units, and environmental sensors provides you with a complete data center solution. Information about these devices can be accessed on site or remotely through a web-based interface to troubleshoot and execute on physical infrastructure changes for greater efficiency and cost savings.

PViQ™ Hardware for Connectivity Management includes intelligent patch panels, fiber trays, modules, and cabling to provide continuous real-time patch field monitoring and visibility of physical infrastructure connectivity for enhanced system reliability and security and capacity management.

PViQ™ Patch Panels

PViQ™ Patch Panels have been developed with functionality, scalability, and consideration for rack space efficiency. The innovative patch panel (copper or fiber) design gives IT Managers the option to phase installations (installing passive connectivity now and upgrading to a fully managed system at a later time) and to quickly swap out modules for upgrades or repairs without disrupting cabling or data traffic through the panels.



PViQ™ Fiber Trays

PViQ™ Fiber Trays provide real-time physical layer management to the fiber channels in the network. These fiber trays provide the capability to map and monitor the fiber channels to efficiently manage resources and substantially reduce network operations cost. They provide the capability to automate network documentation and maintenance procedures for the physical layer, which in turn supports improved reliability, security, and increased overall network management efficiency.

Interconnect Configurations

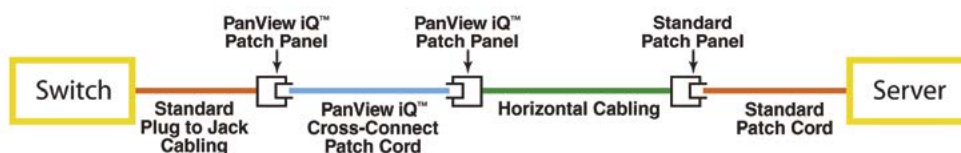
The interconnect configuration is ideal for data centers with limited space areas that have lower reconfiguration requirements and utilize higher density connections than other computing areas. The new PViQ™ System Hardware interconnect capability provides the assurance of accurate switch port provisioning and patch field documentation when monitored through the SmartZone™ Software Suite. This revolutionary design requires no additional cables, appliances, or obstructive overlays on network equipment which can interfere with port connections.



When network elements such as switches need to be reconfigured, the PViQ™ System provides LED guidance to ensure proper switch port allocation/de-allocation. Network elements such as servers can also be monitored at the physical layer to ensure proper connectivity. With the PViQ™ System Hardware, both ends of the switch-server relationship are monitored via the SmartZone™ Software Suite, which leads to quicker problem resolution and rapid service/application restoration.

Cross-Connect Configurations

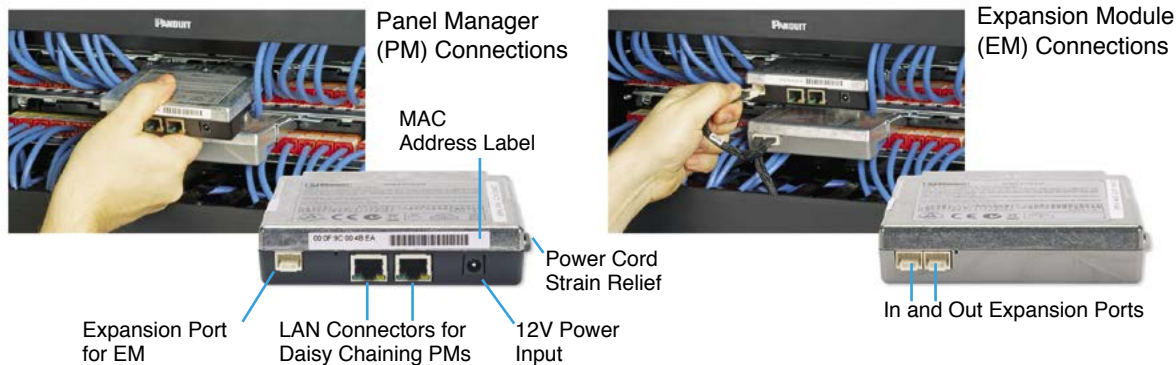
A cross-connect configuration is warranted in data centers where frequent Moves, Adds, Changes and application reconfigurations necessitate flexible and easily accessible patching connectivity.



In cross-connect configurations, the highest density network element (such as the high-speed switch) is permanently cabled through the back of a PViQ™ Patch Panel with modular jacks. PViQ™ Patch Cords are then connected between the front of that panel and the remote PViQ™ Patch Panel cabled via horizontal runs to remote cabinets, typically containing other network elements (e.g., servers) or endpoint equipment (e.g., computers, IP phones, security equipment, etc.).

PViQ™ Intelligence Modules

Panel Manager (PM) – The PViQ™ Panel Manager is designed to consolidate patch field scanning and management functions into a single, removable module. It contains an embedded web interface for remote management and access to connectivity information.



Expansion Manager (EM) – The PViQ™ Expansion Module cost effectively expands the scanning and management capabilities of the PViQ™ Panel Manager to additional patch panels.

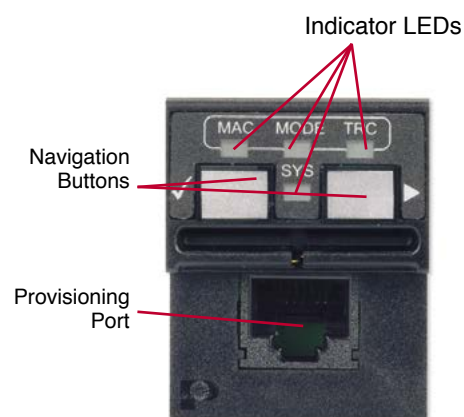
PViQ™ Interface Units

Secure Mode – Visually and audibly alerts users when any changes are made

Trace Mode – Visually verifies patch field connectivity at both ends of the patch cord

Maintenance Mode – Enables locally and remotely performed diagnostic services

Learn Mode – Allows ad hoc patching changes to be automatically updated in the database



Interface unit shown for PViQ™ Panel Manager (PM). Interface unit for PViQ™ Expansion Manager (EM) does not contain provisioning port.

PViQ™ Patch Panels

PViQ™ Patch Panels revolutionize intelligent physical infrastructure management by providing a modular and scalable approach to meet the demands of enterprise and data center installations. Standard copper and fiber cabling is used for all (horizontal link) terminations onto the back of these panels while unique PViQ™ Patch Cords are used for cross-connect or interconnect installations. The innovative design of PViQ™ Patch Panels permit cabling and data connectivity to be installed immediately with “intelligence ready” connections that allow the incremental growth and provisioning of panel management capabilities.

- Accommodates intelligent modules that mount in the rear and utilize no additional rack space (zero RU)
- Accepts all Mini-Com™ UTP, STP, and LC Fiber Optic Modules
- Accepts a PViQ™ Interface Unit to provide patch cord tracing and provisioning of switch ports with PViQ™ Interconnect Patch Cords or patch field mapping with PViQ™ Cross-Connect Patch Cords
- Mount to standard EIA 19" rack or 23" racks with optional extender bracket



PVQ-MIQAPU24



PVQ-MIQPU24



PVQ-MIQPS96F



PVQ-MIQPS96A

Part Number	Part Description	No. of Rack Spaces [^]	Std. Pkg. Qty.	Std. Ctn. Qty.
-------------	------------------	---------------------------------	----------------	----------------

Angled PViQ™ Patch Panels

PVQ-MIQAPU24	24-port unpopulated angled UTP modular intelligent module-ready patch panel. Accepts all Mini-Com™ UTP and LC Fiber Optic Modules.	1	1	10
PVQ-MIQAPS24	24-port unpopulated angled STP modular intelligent module-ready patch panel. Accepts all Mini-Com™ STP Modules. Accepts all Mini-Com™ STP Modules.			

Flat PViQ™ Patch Panels

PVQ-MIQPU24	24-port unpopulated modular intelligent module ready patch panel accepts all Mini-Com™ UTP and LC Fiber Optic Modules.	1	1	10
PVQ-MIQPS24	24-port unpopulated modular intelligent module ready patch panel accepts all Mini-Com™ STP Modules.			

PViQ™ Hardware Kits

PVQ-MIQPS96F	For standard configurations, this 96-port modular intelligent panel kit includes four flat PViQ™ Patch Panels (PVQ-MIQPU24), one PViQ™ Panel Manager with interface unit, and three PViQ™ Expansion Modules with expansion port cables and interface units. Also includes one 1.5' (0.5m) RJ45 patch cord for connection to network switch or additional daisy-chained PViQ™ Panel Managers. (Power supply, PViQ™ Patch Cords and Mini-Com™ Jack Modules are not included and must be purchased separately.)	4	1	—
PVQ-MIQPS96A	For standard configurations, this 96-port modular intelligent panel kit includes four angled PViQ™ Patch Panels (PVQ-MIQAPU24), one PViQ™ Panel Manager with interface unit, and three PViQ™ Expansion Modules with expansion port cables and interface units. Also includes one 1.5' (0.5m) RJ45 patch cord for connection to network switch or additional daisy-chained PViQ™ Panel Managers. (Power supply, PViQ™ Patch Cords and Mini-Com™ Jack Modules are not included and must be purchased separately.)			

PViQ™ Patch Panel Accessories

PVQ-MIQAPCVR	Transitional cover for angled PViQ patch panels that occupies zero rack space.	1	10	—
---------------------	--	---	----	---

[^]One rack space = 1.75" (44.45mm).

PViQ™ Panel Manager requires proper country-specific power supply (PVQ-PS12VDC-E for Europe or PVQ-PS12VDC-U for United Kingdom) which must be ordered separately.

PViQ™ Fiber Trays

- Provides real-time physical layer management to the fiber channels in the network
- Enhances usability and maintainability through an enclosure and drawer design that allows for easy access to the fiber connectivity
- An easily-accessible integrated mechanism for mounting a PM or EM module simplifies installation and maintenance
- Provides the capability to map and monitor the fiber channels to efficiently manage resources and substantially reduce network operations cost
- Provides the capability to automate network documentation and maintenance procedures for the physical layer
- Installable in a 19" standard TIA/EIA rack or cabinet utilizing 1RU of space



PViQ-FMT

Part Number	Part Description	No. of Rack Spaces [^]	Std. Pkg. Qty.	Std. Ctn. Qty.
PVQ-FMT	24-port PViQ™ Fiber Tray with no fiber adapters.	1	1	1
PVQ-FMTMTP-ZX	PViQ™ 24-Port OM3 MTP Fiber Tray including 24 (CMDQAQLCZBL) LC SR./SR. 10Gig™ SFF Duplex Multimode Aqua Adapters with Zirconia Ceramic Split Sleeves.			
PVQ-FMTMTP-ZZ	PViQ™ 24-Port OM4 MTP Fiber Tray including 24 (CMDQAQLCZBL) LC SR./SR. 10Gig™ SFF Duplex Multimode Aqua Adapters with Zirconia Ceramic Split Sleeves.			
PVQ-FMTMTP-9	PViQ™ 24-Port, Single-Mode Fiber Tray including 24 (CMDSLCZBU) LC SR./SR. SFF Duplex Singlemode Blue Adapters with Zirconia Ceramic Split Sleeves.			

[^]One rack space = 1.75" (44.45mm).

PViQ™ Intelligent Modules

- Provides manageability for a PViQ™ Patch Panel
- Eliminates the need for additional rack space by attaching directly to the back of a PViQ™ Patch Panel
- Enables quick addition, removal, or replacement of intelligent modules to add management capabilities
- Supports both cross-connect and interconnect installations
- The intelligent panel manager (PM) module provides networking interface, power connection and expansion port connections
- The intelligent expansion module (EM) receives all power and data signals from the PM through the expansion port. Three EMs can be connected to one PM



PViQ-PM



PViQ-EM

Part Number	Part Description	Std. Pkg. Qty.
PVQ-PM	Panel manager (includes mounting bracket, 1.5' (0.5m) RJ45 patch cord, and interface unit).	1
PVQ-EM	Expansion module (includes mounting bracket, expansion port cable, and interface unit).	

PViQ™ Power Supply

- Provides 12 volts of regulated power
- One power supply required per panel manager module
- Offers flexible placement inside of rack
- 5 feet (1.5m) cord length



PViQ-PS12VDC-E

Part Number	Part Description	Std. Pkg. Qty.
PVQ-PS12VDC-E	30W power supply for Europe.	1
PVQ-PS12VDC-U	30W power supply for UK.	

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

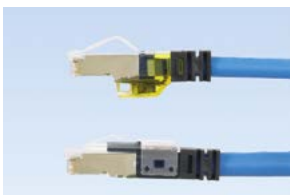
L.
Part
Number
Index

PViQ™ Patch Cords

- PViQ™ Interconnect Patch Cords support connectivity between shielded non-PViQ™ enabled ports (e.g., switches with shielded jacks, servers with shielded jacks, etc.) and PViQ™ Panel Ports
- PViQ™ Cross-Connect Patch Cords manage and map the patch field between two PViQ™ Patch Panels
- All PViQ™ Patch Cords permit PViQ™ Panels to detect single-ended connections



PVQ-BIU6C3BU



PVQ-ES6X3BU



PVQXPE10LQM



PVUTSPC*BBUY



PVF9L10-10M*Y

Part Number	Part Description	Length		Cable Color	Std. Pkg. Qty.	Std. Ctn. Qty.
		Ft*	m^			

Copper Interconnect Patch Cords – Basic

PVQ-BIU6C3BU	Category 6 UTP interconnect patch cord for use with PViQ™ patch panel, Communications (CM) rated.	3	—	Blue	1	10
PVQ-BIU6C1MBU	Category 6 UTP interconnect patch cord for use with PViQ™ patch panel, Communications (CM) rated.	—	1			
PVQ-BIU6L1MBU	Category 6 UTP interconnect patch cord for use with PViQ™ patch panel, Low Smoke Zero Halogen (LSZH) rated.	—	1			

Copper Interconnect Patch Cords – Enhanced

PVQ-EU6AC3BU	10Gig™ UTP Enhanced Interconnect Patch Cord for use with PViQ™ Patch Panel, Communications (CM) rated.	3	—	Blue	1	10
PVQ-EU6AC1MBU	10Gig™ UTP Enhanced Interconnect Patch Cord for use with PViQ™ Patch Panel, Communications (CM) rated.	—	1			
PVQ-ES6X3BU	10Gig™ STP Enhanced Interconnect Patch Cord for use with PViQ™ Patch Panel, dual rated.	3	—			
PVQ-ES6X1MBU	10Gig™ STP Enhanced Interconnect Patch Cord for use with PViQ™ Patch Panel, dual rated.	—	1			

Fiber Interconnect Patch Cords

PVQXLE10LQM00.5	PViQ™ duplex LC to duplex standard LC, OM3, fiber interconnect patch cord, LSZH rated, 1.6mm jacketed cable.	—	0.5	Aqua	1	10
PVQZLE10LQM00.5	PViQ™ duplex LC to duplex standard LC, OM4, fiber interconnect patch cord, LSZH rated, 1.6mm jacketed cable.					
PVQ9LE10LQM00.5	PViQ™ duplex LC to duplex standard LC, OS1/OS2, fiber interconnect patch cord, LSZH rated, 1.6mm jacketed cable.					

Cross-Connect Patch Cords

PVUTSPC3BBUY	Category 6 UTP patch cord for use with modular patch panel.	3	—	Blue	1	10
PVUTSPC1MBBUY	Category 6 UTP patch cord for use with modular patch panel.	—	1			
PVSTP6X1MBBU	Category 6A, STP modular 10Gig™ Patch Cord.					
PVUTP6X1MBBU	Category 6A, UTP modular 10Gig™ Patch Cord.					
PVF9L10-10M0.5Y	Singlemode LSZH LC-LC patch cord.			Yellow		
PVFXL10-10M0.5Y	Multimode LSZH OM3 LC-LC patch cord.			Yellow		

Additional lengths and colors available:

*For lengths of 5, 7, 10, 14, or 20 feet, change the length designation in the part number to the desired length. For standard cable color other than BU (Blue), replace BU in the part number with GR (Green). For example, the part number for a green, 5-foot patch cord is PVQ-BIU6C5GR.

^For lengths of 2, 3, 5, or 10 meters, change the length designation in the part number to the desired length. For standard cable color other than BU (Blue), replace BU with WH (White). For example, the part number for a white 2-meter patch cord is PVQ-BIU6L2MWH.

Contact Panduit Customer Service for lead times and for non-standard lengths and colors.

Table of Contents

Tak-Ty™ Hook & Loop Cable Ties.....I.2 – I.3

HLTP/HLSP Hook and Loop Cable TiesI.4

Tak-Tape™ Hook & Loop Cable Tie Rolls.....I.4

Ultra-Cinch™ Hook & Loop Cable Ties.....I.5

Cable Bundle Organizing ToolI.5

Elastomeric Cable TiesI.6

Tak-Ty™ Hook & Loop Cable Tie Mounts.....I.6

J-Pro™ Cable Support SystemI.6 – I.8

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index



A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

€ Tak-Ty™ Hook & Loop Cable Ties

- Soft, premium material is safe to use on high performance network cables protecting against over-tensioning
- Broad selection of durable designs and sizes
- Adjustable, releasable, and re-usable hundreds of times – ideal for applications requiring frequent moves, adds, or changes
- Easy to use and operator safe with no sharp edges
- A full range of colors
- Operating temperature range: 0°F to 220°F (-18°C to 104°C)
- Complementary mounts available



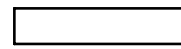
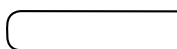
HLT (Loop Ties)



HLB (Stacked Strips)



HLM/HLS (Rolls)



Part Number	Length		Width		Max. Bundle Dia.		Min. Loop Tensile Strength*	
	In.	mm	In.	mm	In.	mm	Lbs.	N

Loop Ties – Slot allows for pre-wrapping of bundles

BEST SELLER								
HLT2I-X0	8.00	203.0	0.50	12.7	1.91	49.0	40	178
HLT2I-M0								
HLT2I-X6								
HLT2I-X7								
HLT2I-X10								
HLT2I-X15	12.00	305.0	0.50	12.7	3.18	81.0	50	222
HLT2I-X16								
HLT3I-X0								
HLT3I-X6								
HLT3I-M0								
HLT3I-X7								
HLT3I-X10								
HLT3I-X15								
HLT3I-X16								

Stacked Strip Ties – Eliminates cutting ties to length and staging them for each job Rounded edges for installer safety – 100 pieces

HLB2S-C0	7.00	178.0	0.75	19.1	1.60	41.0	50	222
----------	------	-------	------	------	------	------	----	-----

*Minimum 2 inch overlap required to achieve loop tensile rating.

Tak-Ty™ Hook & Loop Cable Ties (continued)

Part Number	Length		Width		Max. Bundle Dia.		Min. Loop Tensile Strength*	
	Ft.	m	In.	mm	In.	mm	Lbs.	N
15' and 75' Continuous Rolls – Can be cut to desired length, eliminating waste								
BEST SELLER HLM-15R0	15.0	4.6	0.33	8.40	Various	Various	18	80
HLM-15R6								
HLM-15R7								
HLM-15R10								
HLM-15R15								
HLM-15R16								
BEST SELLER HLS-15R0	75.0	22.9	0.75	19.1	Various	Various	50	222
HLS-15R7								
HLS15R10								
HLS-15R15								
HLS15R16								
BEST SELLER HLS-75R0								
HLS-75R6								
HLS-75R7								
HLS-75R15								
HLS-75R16								

*Minimum 2 inch overlap required to achieve loop tensile rating.

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

A.
Product
Showcase



HLTP/HLSP Hook and Loop Cable Ties

- Soft, premium material is safe to use on high performance network cables protecting against over-tensioning
- UL Listed for use in air handling spaces (such as ceiling voids and underfloor areas) per NEC, Section 300-22 (C) and (D)
- Material flammability rating: UL 94V-2
- Adjustable, releasable, and re-usable – ideal for applications requiring frequent moves, adds, or changes
- Operating temperature range: 0°F – 122°F (-18°C – 50°C)



Part Number	Length		Width		Max. Bundle Dia.		Min. Loop Tensile Str.*	
	In.	m	In.	mm	In.	mm	Lbs.	N

UL Listed Loop Ties (Maroon) – Slot allows for pre-wrapping of bundles

HLTP2I-X12	8.00	203.0	0.50	12.7	1.91	49.0	40	178
------------	------	-------	------	------	------	------	----	-----

UL Listed Loop Ties (Black) – Slot allows for pre-wrapping of bundles

HLTP3I-X0	12.00	305.0	0.50	12.7	3.18	81.0	40	178
-----------	-------	-------	------	------	------	------	----	-----

UL Listed Strip Ties (Maroon) – Perforated in convenient 12 and 18 inch strips

HLSP3S-X12	12.00	305.0	0.75	19.1	3.20	81.0	50	222
HLSP5S-X12	18.00	457.0			5.00	127.0		

UL Listed Strip Ties (Black) – Perforated in convenient 6, 12, and 18 inch strips

HLSP1.5S-X0	6.00	152.0	0.75	19.1	1.50	38.0	50	222
HLSP3S-X0	12.00	305.0			3.20	81.0		
HLSP5S-X0	18.00	457.0			5.00	127.0		

*Minimum 2 inch overlap required to achieve loop tensile rating.

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

€ Tak-Tape™ Hook & Loop Cable Tie Rolls

- Strong, low profile, flexible material is safe to use on high performance cabling protecting against over-tensioning
- Adjustable, releasable, and re-usable
- Cost-effective for general purpose bundling
- Leaves no residue
- Available in black color
- Operating temperature range: 0°F – 220°F (-17°C – 104°C)



Part Number	Length		Width		Max. Bundle Dia.		Min. Loop Tensile Str.*	
	Ft.	m	In.	mm	In.	mm	Lbs.	N
TTR-20R0	20.0	6.1	0.75	19.1	Various	Various	40	178
TTR-35R3-0	35.0	10.7						
EST SELLER TTR-35RX0								
TTR-75R0								

BEST SELLER

*Minimum 2 inch overlap required to achieve loop tensile rating.

Ultra-Cinch™ Hook & Loop Cable Ties

- Unique material with hooks and loops on same side allows user to secure a greater range of bundle diameters, including smaller bundles
- Soft, premium material is safe to use on high performance cabling, protecting against over-tensioning
- Adjustable, releasable, and re-usable – ideal for applications requiring frequent moves, adds, or changes
- Low profile contoured cinch ring provides extra strength and bundle tightness while reducing overall bundle size
- Grommet (UGCTC and UGCTE styles) offers strength and assures reliable installations that resist pullout when bundling and mounting cables within cabinet applications
- Tapered tip facilitates easy, snag-free threading to speed installation
- Use flat head screws for grommet applications
- A full range of colors
- Operating temperature range: 0°F – 140°F (-18°C – 60°C)



Part Number	Length		Width		Max. Bundle Dia.		Min. Loop Tensile Str.*	
	In.	m	In.	mm	In.	mm	Lbs.	N
Cinch Ties								
UCT3S-X0	12.00	305.0	0.85	21.6	3.00	76.0	50	222
Cinch Ties with Brass Grommet								
UGCTC3S-X0	12.00	305.0	0.85	21.6	3.00	76.0	50	222
UGCTE3S-X0	12.00	305.0			3.00	76.0		

0.25 inch (6mm) diameter mounting hole on grommet style cinch ties.

*Minimum 2 inch overlap required to achieve loop tensile rating.

Cable Bundle Organizing Tool

- Reduces cable installation time compared to traditional methods
- Arranges 24 cables prior to applying Panduit™ Tak-Ty™ Hook & Loop Cable Ties
- Optimizes bundle size and improves installed appearance
- Two inserts handle multiple network cable diameters
- Ergonomic fit and compact design
- Impact resistant material and low friction design to glide smoothly across cable bundle



Part Number	Description	Insert Color	Cable Diameter Range	
			In.	mm
BEST SELLER CBOT24K	Kit contains jacket cover with hook and loop fastener and two inserts.	Fluorescent Green	0.18 – 0.25	4.6 – 6.3
		Fluorescent Yellow	0.23 – 0.31	5.8 – 7.9



A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

€ Elastomeric Cable Ties

- Elastic material provides a flexible tie body that safely contours around cable bundle, preventing over-tensioning of data cables to maintain network integrity
- Constructed of TPU Material
- UL 94V-0 material provides greater flame resistance; meets stringent telecommunication flammability requirements (such as NEBS GR-63-CORE)
- Soft material has no sharp edges; protects the installer and the cable bundle
- High coefficient of friction grips and prevents lateral movement along cable bundle
- Releasable and re-usable to accommodate frequent moves, adds, and changes
- Halogen-free, non-toxic, and environmentally safe material will not release toxic or corrosive gases upon combustion
- Locking head design; the tapered tip threads into locking head to speed productivity; industry-accepted intuitive tie design



Part Number	Length		Width		Thickness		Max. Bundle Dia.		Min. Loop Tensile Str.	
	In.	mm	In.	mm	In.	mm	In.	mm	Lbs.	N
ERT2M-C20	8.50	216.0	0.50	12.7	0.09	2.3	2.35	59.7	18	80

-C indicates 100 per package. 20 indicates black.

Tak-Ty™ Hook & Loop Cable Tie Mounts

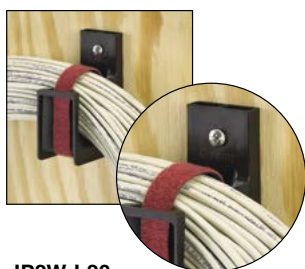
- For use with TTS Tak-Tape™ and HLT/HLS Tak-Ty™ Hook & Loop Cable Ties
- Unique cradle design provides maximum stability for cable bundle
- For indoor use only
- Dimensions: 1.12 inches L x 1.12 inches W x .34 inches H (28.4mm x 28.4mm x 8.6mm)



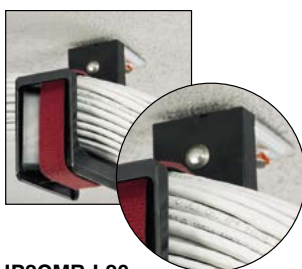
Part Number	Mounting Method	Material	Color
ABMT-A-C*	Pre-installed Rubber Adhesive	Nylon 6.6	Natural
ABMT-A-Q20*			Black
ABMT-A-C20*			Natural
ABMT-S6-C	#6 (M3) Screw		Black
ABMT-S6-C20			

*Maximum static load for adhesive backed mounts is .38 lbs. (174g).

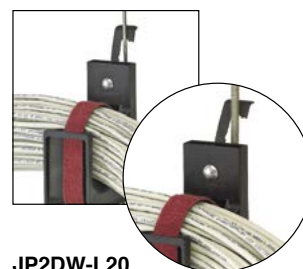
-Q indicates 25 per package, -C indicates 100 per package.



JP2W-L20



JP2CMB-L20



JP2DW-L20

J-Pro™ Cable Support System



JP2W-L20



JP2CMB-L20



JP2DW-L20

Part Number	Description	Max. Bundle Capacity		Max. Cable Capacity*			Material**
		In.	mm	Category 6A-SD/6A (0.30")	Category 6 (0.24")	Category 5e (0.23")	
Wall Mount							
JP75W-L20	J Hook for wall mount applications. One 1/4" (M6) mounting hole for user supplied fastener. Not for use with powder actuated fasteners.	0.75	19.0	5	8	10	Nylon 6.6
JP131W-L20		1.31	33.3	15	25	29	
JP2W-L20		2.00	50.8	30	46	55	
JP4W-X20		4.00	101.6	115	180	200	
Ceiling Mount							
JP75CMB-L20	J Hook with ceiling mount bracket that has one 3/16" (M5), 1/4" (M6), and 3/8" (M10) mounting hole.	0.75	19.0	5	8	10	Nylon 6.6 J Hook with Metal Attachments
JP131CMB-L20		1.31	33.3	15	25	29	
JP2CMB-L20		2.00	50.8	30	46	55	
JP4CMB-X20		4.00	101.6	115	180	200	
Drop Wire and Threaded Rod Clip							
JP75DW-L20	J Hook with clip for use with #12 wire, threaded rod up to 3/8" (9.5mm) in diameter, or 1/8" - 1/4" (3.2mm - 6.4mm) thick flanges.	0.75	19.0	5	8	10	Nylon 6.6 J Hook with Metal Attachments
JP131DW-L20		1.31	33.3	15	25	29	
JP2DW-L20		2.00	50.8	30	46	55	
JP4DW-X20		4.00	101.6	115	180	200	

*The above cable diameters represent the nominal Panduit cable diameter per performance level.

For specific cable fill information based on specific part numbers, please contact Customer Service.

**Suitable for use in air handling spaces in accordance with Sec. 300.22(C) and (D) of the National Electrical Code when mounted as single units or in pairs. JP4 family of parts suitable for use in single unit configurations only.

Listed in accordance with CAN/ULC S102.2 when mounted as single units or in pairs. Minimum spacing of 4 feet (1220mm) required between mount points. (Flame Spread Rating = 0, Smoke Developed Classification = 20).

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

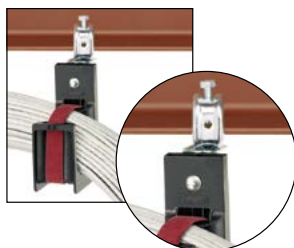
H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

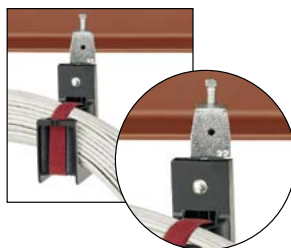
J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index



JP2SBC50RB-L20



JP4SBC50-X20

J-Pro™ Cable Support System (continued)



JP131SBC50-L20



JP2SBC50RB-L20

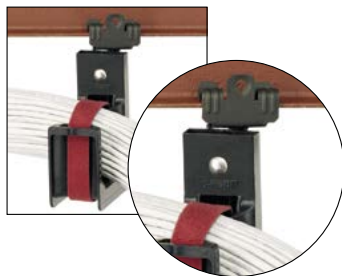
Part Number	Description	Max. Bundle Capacity		Max. Cable Capacity*			Material**
		In.	mm	Category 6A-SD/6A (0.30")	Category 6 (0.24")	Category 5e (0.23")	
JP131SBC50-L20	J Hook with screw-on beam clamp for use with flanges up to 1/2" (12.7mm) thick. Rotates 360 degrees.	1.31	33.3	15	25	29	Nylon 6.6 J Hook with Metal Attachments
JP4SBC50-X20		4.00	101.6	115	180	200	
JP75SBC50RB-L20		0.75	19.0	5	8	10	
JP2SBC50RB-L20		2.00	50.8	30	46	55	

*The above cable diameters represent the nominal Panduit cable diameter per performance level.

For specific cable fill information based on specific part numbers, please contact Customer Service.

**Suitable for use in air handling spaces in accordance with Sec. 300.22(C) and (D) of the National Electrical Code when mounted as single units or in pairs. JP4 family of parts suitable for use in single unit configurations only.

Listed in accordance with CAN/ULC S102.2 when mounted as single units or in pairs. Minimum spacing of 4 feet (1220mm) required between mount points. (Flame Spread Rating = 0, Smoke Developed Classification = 20).



JP2HBC25RB-L20

J-Pro™ Cable Support System (continued)

Part Number	Description	Max. Bundle Capacity		Max. Cable Capacity*			Material**
		In.	mm	Category 6A-SD/6A (0.30")	Category 6 (0.24")	Category 5e (0.23")	
JP75HBC25RB-L20	J Hook with hammer-on beam clamp for use with flanges 1/8" – 1/4" (3.2mm – 6.4mm) thick. Rotates 360 degrees.	0.75	19.0	5	8	10	Nylon 6.6 J Hook with Metal Attachments
JP131HBC25RBL20		1.31	33.3	15	25	29	
JP2HBC25RB-L20		2.00	50.8	30	46	55	
JP4HBC25RB-X20	J Hook with hammer-on beam clamp for use with flanges 5/16" – 1/2" (7.9mm – 12.7mm) thick. Rotates 360 degrees.	4.00	101.6	115	180	200	
JP75HBC50RB-L20		0.75	19.0	5	8	10	
JP131HBC50RBL20		1.31	33.3	15	25	29	
JP2HBC50RB-L20		2.00	50.8	30	46	55	
JP4HBC50RB-X20		4.00	101.6	115	180	200	

*The above cable diameters represent the nominal Panduit cable diameter per performance level.

For specific cable fill information based on specific part numbers, please contact Customer Service.

**Suitable for use in air handling spaces in accordance with Sec. 300.22(C) and (D) of the National Electrical Code when mounted as single units or in pairs. JP4 family of parts suitable for use in single unit configurations only.

Listed in accordance with CAN/ULC S102.2 when mounted as single units or in pairs. Minimum spacing of 4 feet (1220mm) required between mount points. (Flame Spread Rating = 0, Smoke Developed Classification = 20).



JP2HBC25RB-L20
JP2HBC50RB-L20

Table of Contents

24x4 FiberRunner™ Routing System	J.2 – J.7
12x4 FiberRunner™ Routing System	J.8 – J.13
6x4 FiberRunner™ Routing System	J.14 – J.19
4x4 FiberRunner™ Routing System	J.20 – J.25
4x4 and 6x4 FiberRunner™ Mounting Brackets	J.25
2x2 FiberRunner™ Routing System	J.26 – J.30
FiberRunner™ Brackets and Accessories	J.30 – J.31
Wyr-Grid™ Overhead Cable Tray Routing System	J.32 – J.38

**A.
Product
Showcase**

**B.
Copper
Systems**

**C.
Fiber
Systems**

**D.
Industrial
Networks**

**E.
Audio
Video
Systems**

**F.
Keystone
Cabling
Systems**

**G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt**

**H.
Power and
Connectivity
Management**

**I.
Cable
Management
Accessories**

**J.
Cable
Routing
Systems**

**K.
Cable
Cleats**

**L.
Part
Number
Index**

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt., Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

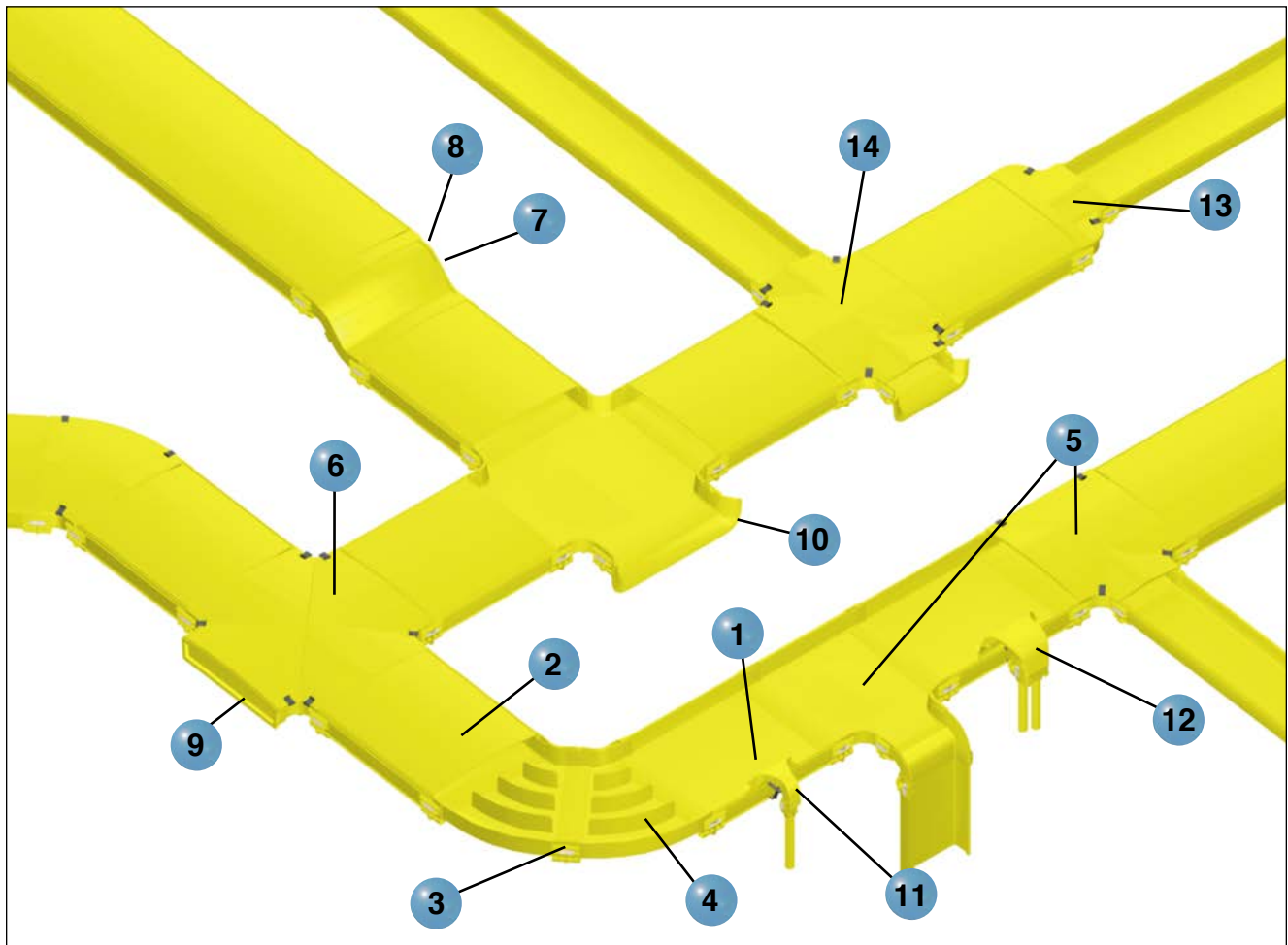
I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

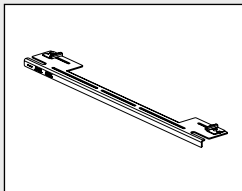
K.
Cable
Cleats

L.
Part
Number
Index

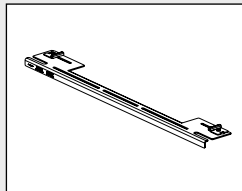
24x4 Routing System Roadmap



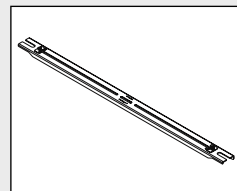
24x4 FiberRunner™ Mounting Brackets



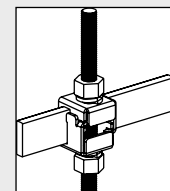
FR24TBE12 – Existing
Threaded Rod QuikLock™
Bracket (page J.6)



FR24TBN12 - New Threaded
Rod QuikLock™ Bracket
(page J.6)



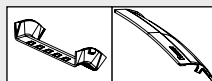
FRTBWG30BL - Wyr-Grid™
Mounting Bracket for
FiberRunner™ System
(page J.6)



F2PCLB12 - Two-Piece Ladder
Rack Bracket for Attaching
Threaded Rod to 1.5" - 2"
Ladder Rack (page J.6)



- 1** FR24X4**10 – 24x4 FiberRunner™ Channel (page J.4)



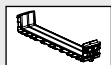
- 8** FROV4524X4L** – 24x4 Outside Vertical 45° Angle Fitting and FROV45CV24L** – Cover (page J.5)



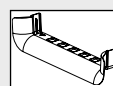
- 2** FRCV24**10 – 24x4 Snap-On Cover (page J.4)



- 9** FREC24X4L** – 24x4 End Cap Fitting (page J.5)



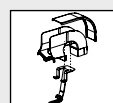
- 3** FRBC24X4L** – 24x4 QuikLock™ Coupler (page J.4)



- 10** FRTR24X4L** – 3-Sided BRC Trumpet Spillout for 24x4 Exit (page J.5)



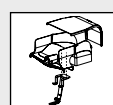
- 4** FRH4524X4L** – 24x4 Horizontal 45° Angle Fitting and FRH45CV24L** – Cover (page J.4)



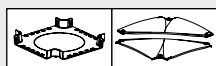
- 11** FRSPJ2X2L** – Spill-Over Junction with 2x2 Exit (page J.30)



- 5** FRT24X4W12L** – 24x4 Horizontal Tee with 12x4 Exit and FRTC24W12L** – Cover (page J.4)



- 12** FRSPJ4X4L** – Spill-Over Junction with 4x4 Exit (page J.24)



- 6** FRFWC24X4L** – 24x4 4-Way Cross Fitting and FRFWCCV24L** – Cover (page J.4)



- 13** FRRF2412L** – 24x4 to 12x4 FiberRunner™ Reducer Fitting and FRRF2412CVL** – Cover (page J.5)



- 7** FRIV4524X4L** – 24x4 Inside Vertical 45° Angle Fitting (page J.5)



- 14** FRFWC24X4W12L** – 24x4 4-Way Cross Fitting with 12x4 Exits and FRFWCCV24W12L** – Cover (page J.4)

**Available colors: YL (Yellow), and BL (Black).

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt., Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

24x4 FiberRunner™ Routing System – Channel and Cover

- Robust, large capacity 24x4 system ideal for use with large cable counts
- QuikLock™ Couplers and Brackets reduce system installation time dramatically
- Channel, covers, fittings and other non-metallic system components made from V-0 flame class rated material
- Compatible with all sizes of Panduit™ FiberRunner™ Routing Systems, Cable Management, and Racks



FR24X4YL10



FRCV24YL10

Part Number	Description	Color
24x4 Channel		
FR24X4YL10	Used to carry cables horizontally throughout the system. Use QuikLock™ Coupler FRBC24X4LYL to attach channel and/or fittings.	Yellow
24x4 Snap-On Cover		
FRCV24YL10	Snap-on cover for channel FR24X4YL10. Supplied in four 30" long pieces.	Yellow

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors replace YL (Yellow) with BL (Black).

24x4 FiberRunner™ QuikLock™ Coupler

- Pre-assembled to provide fast mechanical assembly of components
- No tools required for installation; bolts loosen for component disassembly



FRBC24X4LYL

Part Number	Description	Color
FRBC24X4LYL	Coupler quickly joins two sections of channel and/or fittings.	Yellow

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors replace YL (Yellow) with BL (Black).

24x4 FiberRunner™ System Fittings

- Minimum 3 inch (76.2mm) bend radius control fittings
- Protect against signal loss and performance degradation
- Assemble using FRBC QuikLock™ Couplers



FRFWC24X4LYL



FRFWC24X4W12LYL



FRH4524X4LYL



FRT24X4W12LYL



FRTC24W12LYL

Part Number	Description	Couplers Required	Color
24x4 Four-Way Cross Fitting			
FRFWC24X4LYL	Attaches to a 24x4 channel and/or fittings to create a horizontal four-way cross intersection with two 24x4 exits. Accepts split cover FRFWCCV24LYL.	(4 pcs.) FRBC24X4LYL	Yellow
24x4 Four-Way Cross Fitting with 12x4 Exits			
FRFWC24X4W12LYL	Attaches to a 24x4 channel and/or fittings to create a horizontal four-way cross intersection with two 12x4 exits. Accepts split cover FRFWCCV24W12LYL.	(2 pcs.) FRBC24X4LYL	Yellow
24x4 Horizontal 45° Angle Fitting			
FRH4524X4LYL	Attaches to a 24x4 channel and/or fittings to create a 45° horizontal turn from a straight horizontal run.	(2 pcs.) FRBC24X4LYL	Yellow
24x4 Horizontal Tee with 12x4 Exits			
FRT24X4W12LYL	Attaches to a 24x4 channel and/or fittings to create a 90° horizontal branch with a 12x4 exit from straight horizontal run. Accepts split cover FRTC24W12LYL.	(2 pcs.) FRBC24X4LYL (1 pc.) FRBC12X4LYL	Yellow
Cover for 24x4 Horizontal Tee with 12x4 Exits			
FRTC24W12LYL	Cover for the horizontal tee fitting FRT24X4W12LYL.	—	Yellow

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors replace YL (Yellow) with BL (Black).

24x4 FiberRunner™ System Fittings



FRH45CV24LYL



FREC24X4LYL



FROV4524X4LYL



FROV45CV24LYL



FRIV4524X4LYL



FRRF2412LYL

Part Number	Description	Couplers Required	Color
Cover for 24x4 Horizontal 45° Angle Fitting			
FRH45CV24LYL	Cover for the horizontal 45° angle fitting FRH4524X4LYL.	—	Yellow
24x4 End Cap Fitting			
FREC24X4LYL	Used for closing off open ends of the channel or fittings.	—	Yellow
24x4 Outside Vertical 45° Fitting			
FROV4524X4LYL	Attaches to a 24x4 channel and/or fittings to create a 45° downward angle from a straight horizontal run. Used with inside vertical 45° angle fitting FRIV4524X4LYL to change level of a horizontal run.	(2 pcs.) FRBC24X4LYL	Yellow
Cover for 24x4 Outside Vertical 45° Angle Fitting			
FROV45CV24LYL	Cover for the outside vertical 45° angle fitting FROV4524X4LYL.	—	Yellow
24x4 Inside Vertical 45° Fitting			
FRIV4524X4LYL	Attaches to a 24x4 channel and/or fittings to create a 45° upward angle from a straight horizontal run. Used with outside vertical 45° angle fitting FROV4524X4LYL to change level of a straight horizontal run. Includes cover.	(2 pcs.) FRBC24X4LYL	Yellow
Reducer from 24x4 to 12x4 FiberRunner™ Fitting or Channel			
FRRF2412LYL	Attaches any 24x4 FiberRunner™ Fitting or Channel to any 12x4 FiberRunner™ Fitting or Channel.	(1 pc.) FRBC24X4LYL (1 pc.) FRBC12X4LYL	Yellow

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors replace YL (Yellow) with BL (Black).

24x4 FiberRunner™ System Spillouts

- Spill-overs allow safe transition from horizontal to vertical runs
- 2 inch (50.8mm) bend radius control
- Transition to channel, slotted channel, and corrugated loom tubing



FRTR24X4LYL

Part Number	Description	Couplers Required	Color
3-Sided BRC Trumpet Spillout for 24x4 Exits			
FRTR24X4LYL	Used to limit the bend radius of the cable to 3" (76.2mm) when exiting from the 24x4 channel or a 24x4 horizontal tee.	(1 pc.) FRBC24X4LYL	Yellow

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors replace YL (Yellow) with BL (Black).

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

24x4 FiberRunner™ Mounting Brackets



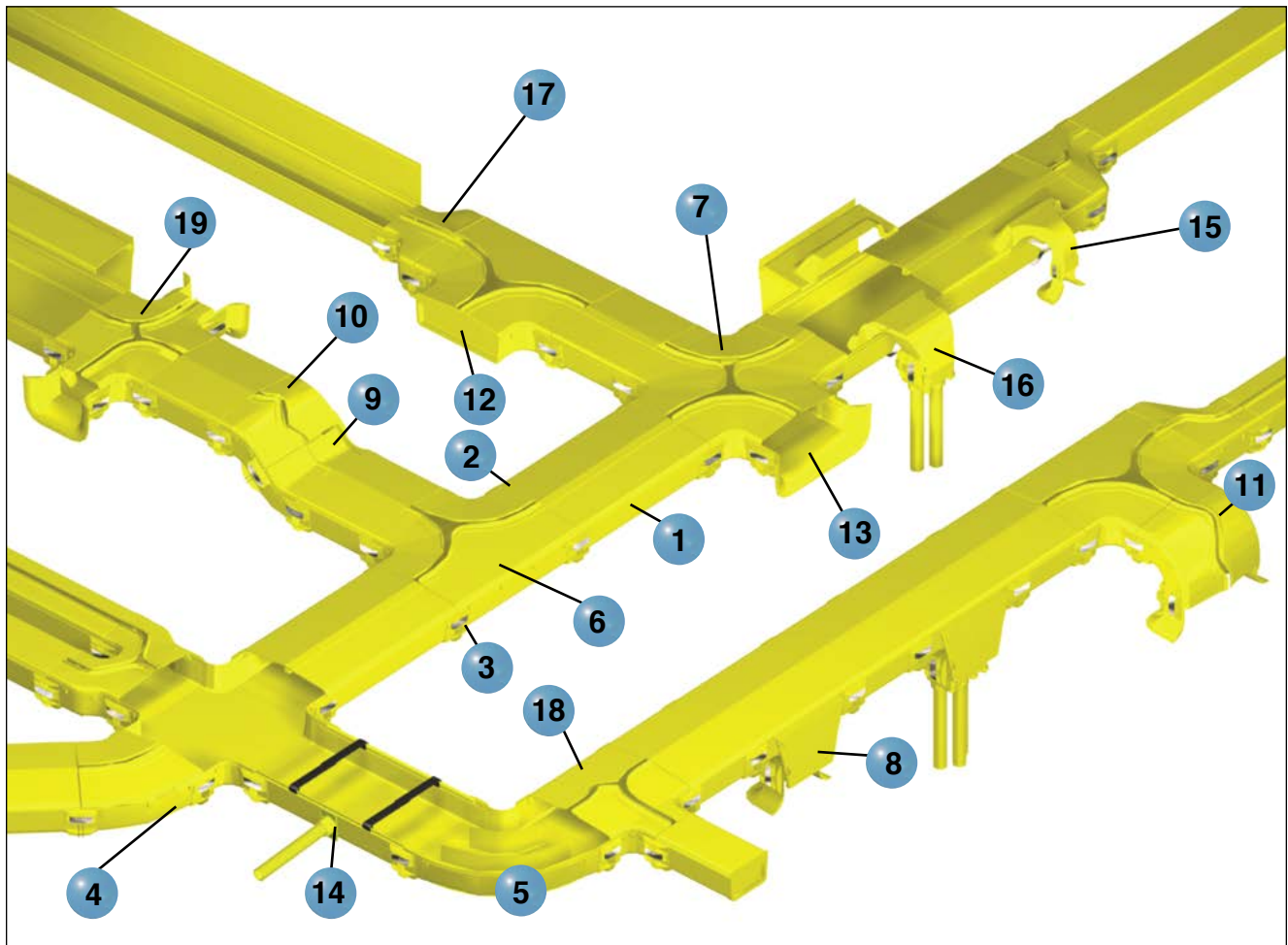
FR24TBE12

Part Number	Description	For Threaded Rod Size
Existing Threaded Rod QuikLock™ Mounting Bracket		
FR24TBE12	Used to support the 24x4 system by spanning two 0.5" existing threaded rod drops.	0.5"
New Threaded Rod QuikLock™ Bracket		
FR24TBN12	Used to support the 24x4 system from new threaded rod installations.	0.5"
Trapeze QuikLock™ Bracket		
FR12TB2412	Used to support the 24x4 system by spanning two existing threaded rod drops.	0.5"
FR24TBN12M		12mm
Center Support Bracket		
FR24CSB12	Used to support the 24x4 system by spanning 0.5" existing threaded rod drops.	0.5"

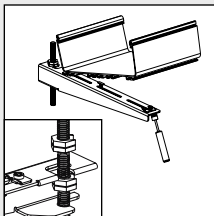
Notes

A. Product Showcase
B. Copper Systems
C. Fiber Systems
D. Industrial Networks
E. Audio Video Systems
F. Keystone Cabling Systems
G. Cabinets, Thermal Mgmt, Racks, Enclosures & Cable Mgmt
H. Power and Connectivity Management
I. Cable Management Accessories
J. Cable Routing Systems
K. Cable Cleats
L. Part Number Index

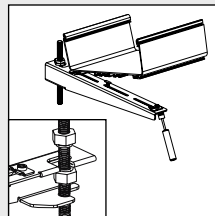
12x4 Routing System Roadmap



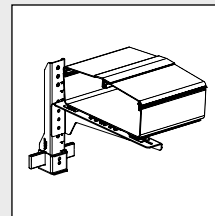
12x4 FiberRunner™ Mounting Brackets



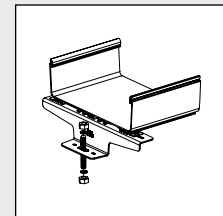
FR12TRBE58 – Existing Threaded Rod QuikLock™ Bracket (page J.13)



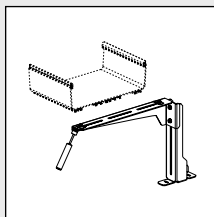
FR12TRBN58 – New Threaded Rod QuikLock™ Bracket (page J.13)



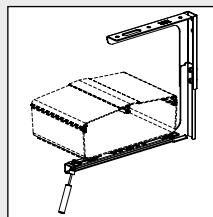
FR12ALB – Adjustable Ladder QuikLock™ Bracket (page J.13)



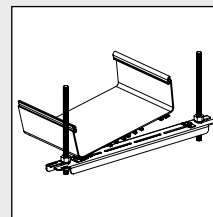
FR12CS58 – Center Support QuikLock™ Bracket (page J.13)



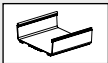
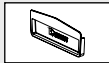
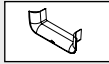
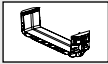
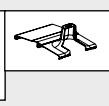
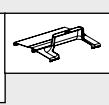
FR12ACAB – Adjustable Cabinet QuikLock™ Bracket (page J.13)



FR12ACB58 – Top Support Adjustable “C” QuikLock™ Bracket (page J.13)



FR12TB58 – Trapeze QuikLock™ Bracket (page J.13)

	1 FR12X4** – 12x4 FiberRunner™ Channel (page J.10)		12 FREC12X4L** – 12x4 End Cap Fitting (page J.10)
	2 FRHC12** – 12x4 Snap-On Hinged Cover (page J.10)		13 FRTR12X4L** – 3-Sided BRC Trumpet Spillout for 12x4 Exit (page J.12)
	3 FRBC12X4L** – 12x4 QuikLock™ Coupler (page J.11)		14 FR1.5IDEL** – 1-Port Spillout Side Exit to 1.5" (38mm) Inside Diameter Corrugated Tubing (page J.30)
	4 FRH4512X4L** – 12x4 Horizontal 45° Angle Fitting and FRH45SC12L** – Split Cover (page J.11)		15 FRSPJ2X2L** – Spill-Over Junction with 2x2 Exit (J.30) and FRSPJC212L** – Cover for 12x4 System
	5 FRRA12X4L** – 12x4 Horizontal Right Angle Fitting and FRRASC12L** – Split Cover (page J.11)		16 FRSPJ4X4L** – Spill-Over Junction with 4x4 Exit (page J.24) and FRSPJC412L** – Cover for 12x4 System (page J.12)
	6 FRT12X4L** – 12x4 Horizontal Tee Fitting and FRTSC12L** – Split Cover (page J.11)		17 FRRF126LS** – 12x4 to 6x4 FiberRunner™ Reducer Fitting and FRRF126SCL** – Split Cover (page J.13)
	7 FRFWC12X4L** – 12x4 4-Way Cross Fitting and FRFWCSC12L** – Split Cover (page J.10)		18 FRT12X4W6L** – 12x4 Horizontal Tee with 6x4 Exit and FRTSC12W6L** – Split Cover (page J.12)
	8 FRVT12X4L** – 12x4 Vertical Tee (page J.12)		19 FRFWC12X4W6L** – 12x4 4-Way Cross Fitting with 6x4 Exits and FRFWCSC12W6L** – Split Cover (page J.12)
	9 FRIV4512X4L** – 12x4 Inside Vertical 45° Angle Fitting (page J.12)		
	10 FROV4512X4L** – 12x4 Outside Vertical 45° Angle Fitting and FROV45SC12L** – Split Cover (page J.11-12)		
	11 FROVRA12X4L** – 12x4 Outside Vertical Right Angle Fitting and FROVRASC12L** – Split Cover (page J.12)		

**Available colors: YL (Yellow) and BL (Black).

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt., Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

12x4 FiberRunner™ Routing System – Channel and Cover

- Robust, large capacity 12x4 system ideal for use with large cable counts
- Multiple spillout options provide versatility to mate to various equipment and rack configurations
- QuikLock™ Couplers and Brackets reduce system installation time dramatically
- Channel, covers, fittings and other non-metallic system components made from V-0 flame class rated material
- Compatible with all sizes of Panduit™ FiberRunner™ Routing Systems, Cable Management, and Racks
- Compliant with the applicable tests in Telcordia GR-63-CORE Network Equipment Building Systems (NEBS) Level 3



FR12X4YL10

Part Number	Description	Color
12x4 FiberRunner™ Channel		
FR12X4YL10	Used to carry the cables horizontally throughout the system. Accepts cable retainers FRCR12LYL-X or hinged cover FRHC12YL10. Use QuikLock™ Coupler FRBC12X4LYL to attach channel and/or fittings.	Yellow

12x4 Snap-On Hinged Cover

Part Number	Description	Color
FRHC12YL10	Snap-on hinged cover for channel FR12X4YL10.	Yellow

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors replace YL (Yellow) with BL (Black).

12x4 FiberRunner™ QuikLock™ Coupler

- Pre-assembled to provide fast mechanical assembly of components
- No tools required for installation; bolts loosen for component disassembly



FRBC12X4LYL

Part Number	Description	Color
FRBC12X4LYL	Coupler quickly joins two sections of channel and/or fittings.	Yellow

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors replace YL (Yellow) with BL (Black).

12x4 FiberRunner™ System Fittings

- Minimum 2 inch (50.8mm) bend radius control fittings
- Split covers snap onto each fitting
- Protect against signal loss and performance degradation
- Covers feature 0.75 inch (19mm) gap to allow cable to be laid in
- Assemble using FRBC QuikLock™ Couplers



FRFWC12X4LYL



FRFWCSC12LYL



FRH4512X4LYL

Part Number	Description	Couplers Required	Color
12x4 Four-Way Cross Fitting			
FRFWC12X4LYL	Attaches to a 12x4 channel and/or fitting to create a horizontal four-way cross intersection with two 12x4 exits.	—	Yellow

Split Cover for 12x4 Four-Way Cross

Part Number	Description	Couplers Required	Color
FRFWCSC12LYL	Split cover for the four-way cross fitting FRFWC12X4LYL.	—	Yellow

12x4 Four-Way Cross Fitting with 4x4 Exits

Part Number	Description	Couplers Required	Color
FRH4512X4LYL	Attaches to a 12x4 channel and/or fittings to create a horizontal four-way cross intersection with two 4x4 exits.	(2 pcs.) FRBC12X4LYL (2 pcs.) FRBC4X4LYL	Yellow

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors replace YL (Yellow) with BL (Black).

12x4 FiberRunner™ System Fittings (continued)



FRFWC12X4W6LYL



FRT12X4LYL



FRTSC12LYL



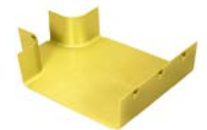
FRH4512X4LYL



FRH45SC12LYL



FRR12X4LYL



FRRASC12LYL



FRT12X4W4LYL



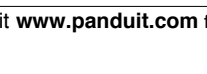
FRT12X4W6LYL



FRTSC12W6LYL



FREC12X4LYL



FROV4512X4LYL

Part Number	Description	Couplers Required	Color
12x4 Four-Way Cross Fitting with 6x4 Exits			
FRFWC12X4W6LYL	Attaches to a 12x4 channel and/or fittings to create a horizontal four-way cross intersection with two 6x4 exits. Accepts split cover FRFWCSC12W6LYL.	(2 pcs.) FRBC12X4LYL (2 pcs.) FRBC6X4LYL	Yellow
12x4 Horizontal Tee Fitting			
FRT12X4LYL	Attaches to a 12x4 channel and/or fittings to create a 90° horizontal branch with a 12x4 exit from straight horizontal run. Accepts split cover FRTSC12LYL.	(3 pcs.) FRBC12X4LYL	Yellow
Split Cover for 12x4 Horizontal Tee Fitting			
FRTSC12LYL	Split cover for the horizontal tee fitting FRT12X4LYL. Snap-on feature allows cover to be installed and removed with no tools required. Creates radiused 0.75" (19mm) opening for easy access to add or remove cables.	—	Yellow
12x4 Horizontal 45° Angle Fitting			
FRH4512X4LYL	Attaches to a 12x4 channel and/or fitting to create a 45° horizontal turn from a straight horizontal run. Accepts split cover FRH45SC12LYL.	—	Yellow
Split Cover for 12x4 Horizontal 45° Angle Fitting			
FRH45SC12LYL	Split cover for the horizontal 45° angle fitting FRH4512X4LYL.	—	Yellow
12x4 Horizontal Right Angle Fitting			
FRR12X4LYL	Attaches to a 12x4 channel and/or fitting to create a 90° horizontal turn from a straight horizontal run. Accepts split cover FRRASC12LYL.	(2 pcs.) FRBC12X4LYL	Yellow
Split Cover for 12x4 Horizontal Right Angle Fitting			
FRRASC12LYL	Split cover for the horizontal right angle fitting FRR12X4LYL.	—	Yellow
12x4 Horizontal Tee with 4x4 Exits			
FRT12X4W4LYL	Attaches to a 12x4 channel and/or fittings to create a 90° horizontal branch with a 4x4 exit from straight horizontal run. Accepts split cover FRTSC12W4LYL.	(2 pcs.) FRBC12X4LYL (1 pc.) FRBC4X4LYL	Yellow
12x4 Horizontal Tee with 6x4 Exits			
FRT12X4W6LYL	Attaches to a 12x4 channel and/or fittings to create a 90° horizontal branch with a 6x4 exit from straight horizontal run. Accepts split cover FRTSC12W6LYL.	(2 pcs.) FRBC12X4LYL (1 pc.) FRBC6X4LYL	Yellow
Split Cover for 12x4 Horizontal Tee with 6x4 Exit			
FRTSC12W6LYL	Split cover for the horizontal tee with 6x4 exit fitting FRT12X4W6LYL. Snap-on feature allows cover to be installed and removed without tools. Creates radiused 0.75" (19mm) opening for easy access to add or remove cables.	—	Yellow
12x4 End Cap Fitting			
FREC12X4LYL	Used for closing off open ends of the channel or fittings.	—	Yellow
12x4 Outside Vertical 45° Angle Fitting			
FROV4512X4LYL	Attaches to a 12x4 channel and/or fitting to create a 45° downward angle from a straight horizontal run. Used with inside vertical 45° angle fitting FRIV4512X4LYL to change level of a horizontal run. Accepts split cover FROV45SC12LYL.	(2 pcs.) FRBC12X4LYL	Yellow

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors replace YL (Yellow) with BL (Black).

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt., Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

12x4 FiberRunner™ System Fittings (continued)



FROV45SC12LYL



FROVRA12X4LYL



FROVRASC12LYL



FRIV4512X4LYL

Part Number	Description	Couplers Required	Color
-------------	-------------	----------------------	-------

Split Cover for 12x4 Outside Vertical 45° Angle Fitting

FROV45SC12LYL	Split cover for the outside vertical 45° angle fitting FROV4512X4LYL.	—	Yellow
---------------	---	---	--------

12x4 Outside Vertical Right Angle Fitting

FROVRA12X4LYL	Attaches to a 12x4 channel and/or fitting to create a 90° vertical turn down from a straight horizontal run. Accepts split cover FROVRASC12LYL.	(2 pcs.) FRBC12X4LYL	Yellow
---------------	---	-------------------------	--------

Split Cover for 12x4 Outside Vertical Right Angle Fitting

FROVRASC12LYL	Split cover for the outside vertical 90° angle fitting FROVRA12X4LYL.	—	Yellow
---------------	---	---	--------

12x4 Inside Vertical 45° Fitting and Cover

FRIV4512X4LYL	Attaches to a 12x4 channel and/or fittings to create a 45° upward angle from a straight horizontal run. Used with outside vertical 45° angle fitting FROV4512X4LYL to change level of a straight horizontal run. Includes cover.	(2 pcs.) FRBC12X4LYL	Yellow
---------------	--	-------------------------	--------

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors replace YL (Yellow) with BL (Black).

12x4 FiberRunner™ System Spillouts

- Spill-overs allow safe transition from horizontal to vertical runs
- 2 inch (50.8mm) bend radius control
- Transition to channel, slotted channel, and corrugated loom tubing



FRVT12X4LYL



FRTR12X4LYL



FRSPJC412LYL



FITF12X4



FRY126LYL



FRY126SCLYL

Part Number	Description	Couplers Required	Color
-------------	-------------	----------------------	-------

12x4 Vertical Tee

FRVT12X4LYL	Attaches to a 12x4 channel and/or fittings to create a 90° vertical drop from a horizontal run. Hinged door included. Accepts snap-on cover FRHC12LYL6 in conjunction with channel.	(2 pcs.) FRBC12X4LYL (1 pc.) FRBC6X4LYL	Yellow
-------------	---	--	--------

3-Sided BRC Trumpet Spillout for 6x4 Exit

FRTR12X4LYL	Used to limit the bend radius of the cable to 3" (76.2mm) when exiting from the 12x4 channel or a 12x4 horizontal tee.	(1 pc.) FRBC12X4LYL	Yellow
-------------	--	------------------------	--------

Cover for Spill-Over Junction with 4x4 Exit for 12x4 Channel

FRSPJC412LYL	Used to fully enclose 12x4 channel in conjunction with the spill-over junction FRSPJ4X4LYL.	—	Yellow
--------------	---	---	--------

Innerduct Transition Fitting

FITF12X4	Attaches to the end of a channel or fitting to transition up to ten pieces of solid 1.5" (38mm) inside diameter innerduct.	—	Black
----------	--	---	-------

12x4 Y-Reducer Fitting for 6x4 Exit

FRY126LYL	Attaches any 12x4 FiberRunner™ Fitting or Channel to two 6x4 FiberRunner™ Channels.	(1 pc.) FRBC12X4LYL (2 pcs.) FRBC6X4LYL	Yellow
-----------	---	--	--------

Reducer Cover for the 12x4 Y-Reducer Fitting

FRY126SCLYL	Reducer cover for the Y-reducer fitting FRY126LYL.	—	Yellow
-------------	--	---	--------

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors replace YL (Yellow) with BL (Black).

12x4 FiberRunner™ System Spillouts (continued)



FRRF126SCLYL

Part Number	Description	Couplers Required	Color
-------------	-------------	-------------------	-------

Split Cover for Reducer 12x4 Fitting to 6x4 Exit

FRRF126SCLYL	Split cover for reducer fitting FRRF126LYL.	—	Yellow
--------------	---	---	--------

Transition Left Reducer 12x4 Fitting to 6x4 Exit

FRRF126LSCLYL

FRRF126LSYL	Attaches any 12x4 FiberRunner™ Fitting or Channel to any 6x4 FiberRunner™ Fitting or Channel. It accepts split cover FRRF126LSCLYL.	(1 pc.) FRBC12X6LYL (1 pc.) FRBC6X4LYL	Yellow
-------------	---	---	--------

Split Cover for Transition Left Reducer 12x4 Fitting to 6x4 Exit

FRRF126LSCLYL	Split cover for the reducer fitting FRRF126LYL.	—	Yellow
---------------	---	---	--------

Transition Right Reducer 12x4 Fitting to 6x4 Exit

FRRF126RLYL

FRRF126RLYL	Attaches any 12x4 FiberRunner™ Fitting or Channel to any 6x4 FiberRunner™ Fitting or Channel. It accepts split cover FRRF126RSCLYL.	(1 pc.) FRBC12X4LYL (1 pc.) FRBC6X4LYL	Yellow
-------------	---	---	--------

Split Cover for Transition Right Reducer 12x4 Fitting to 6x4 Exit

FRRF126RSCLYL	Split cover for the reducer fitting FRRF126RLYL.	—	Yellow
---------------	--	---	--------

FRRF126RSCLYL

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors replace YL (Yellow) with BL (Black).

12x4 Cable Retainer

FRCR12LBL-X

FRCR12LBL-X	Holds cable in the channel when the cover is not used.	—	Black
-------------	--	---	-------

12x4 FiberRunner™ Mounting Brackets



FR12ACAB

Part Number	Description	For Threaded Rod Size
-------------	-------------	-----------------------

Top Support Adjustable “C” QuikLock™ Bracket

FR12ACB12	Used to support the 12x4 system from any new threaded rod extending down directly from the ceiling, grid, or ladder rack system. Two position height adjustments to accommodate system with or without hinged cover. Bracket is secured to threaded rod with two nuts. The pre-assembled slide clamps enable fast assembly to channel.	0.5"
FR12ACAB		
FR12ACB58		0.625"
FR12ACB12M		12mm

Adjustable Ladder Rack Bracket

FR12ALB

FR12ALB	Used to support the 12x4 system by attaching to any 0.375" (9.5mm) x 1.5" (38.1mm) or 0.375" (9.5mm) x 2" (50.8mm) ladder rack rail. Adjustable to nine incremental positions from 4" (101mm) to 12" (305mm) above or below the ladder rack.	—
---------	--	---

Existing Threaded Rod QuikLock™ Bracket

FR12TRBE58	Used to support the 12x4 system from existing threaded rod installations.	0.625"
FR12TRBE58M		16mm



FR12TRBN58

New Threaded Rod QuikLock™ Bracket

FR12TRBN58	Used to support the 12x4 systems from any new threaded rod installations.	0.625"
------------	---	--------

Center Support QuikLock™ Bracket

FR12CS58

FR12CS12	Used to support the 12x4 systems from below with new threaded rod.	0.5"
FR12CS58		0.625"
FR12CS12M		12mm

Trapeze QuikLock™ Bracket

FR12TB58

FR12TB12	Used to support the 12x4 system by spanning two threaded rod drops that are 18" apart. Can be installed from above or below. Bracket is secured to each threaded rod with two nuts. The pre-assembled slide clamps enable fast assembly to channel.	0.5"
FR12TB58		0.625"
FR12TB12M		12mm

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt., Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

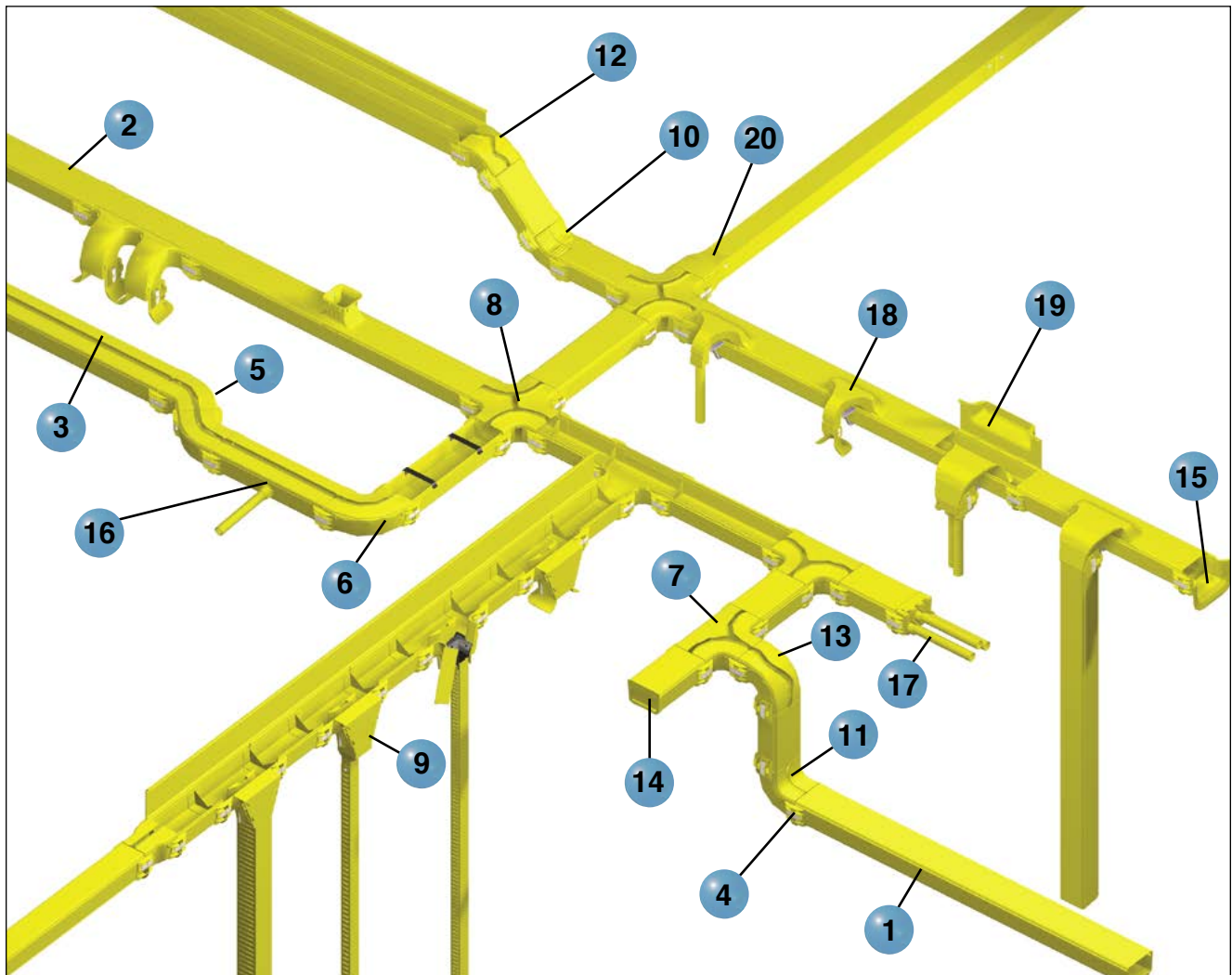
I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

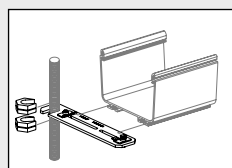
K.
Cable
Cleats

L.
Part
Number
Index

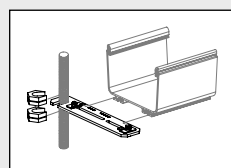
6x4 Routing System Roadmap



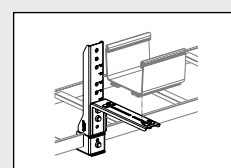
4x4 and 6x4 FiberRunner™ Mounting Brackets



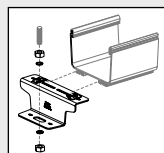
**FR6TRBE58 – Existing
Threaded Rod QuikLock™
Bracket (page J.25)**



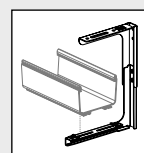
**FR6TRBN58 – New
Threaded Rod QuikLock™
Bracket (page J.25)**



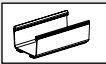
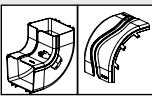
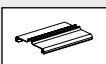
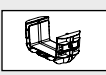
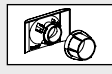
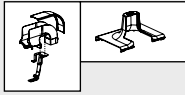
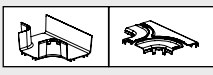
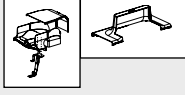
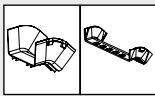
**FR6ALB – Adjustable
Ladder QuikLock™
Bracket (page J.25)**



**FR6CS58 – Center
Support QuikLock™
Bracket (page J.25)**



**FR6ACB58 – Top Support
Adjustable “C” QuikLock™
Bracket (page J.25)**

- | | |
|---|---|
|  <p>1 FR6X4**10 – 6x4 FiberRunner™ Channel (page J.16)</p> |  <p>13 FROVRA6X4L** – 6x4 Outside Vertical Right Angle Fitting and FROVRASC6L** – Split Cover (page J.17)</p> |
|  <p>2 FRHC6**10 – 6x4 Snap-On Hinged Cover (page J.16)</p> |  <p>14 FREC6X4L** – 6x4 End Cap Fitting (page J.17)</p> |
|  <p>3 FRSHC6**10 – 6x4 Split Hinged Cover (page J.16)</p> |  <p>15 FRTR6X4L** – 3-Sided BRC Trumpet Spillout for 6x4 Exit (page J.18)</p> |
|  <p>4 FRBC6X4L** – 6x4 QuikLock™ Coupler (page J.16)</p> |  <p>16 FR1.5IDEL** – 1-Port Spillout Side Exit to 1.5" (38mm) Inside Diameter Corrugated Tubing (page J.30)</p> |
|  <p>5 FRH456X4L** – 6x4 Horizontal 45° Angle Fitting and FRH45SC6L** – Split Cover (page J.17)</p> |  <p>17 FRIDT6X4L** – 3-Port Spillout to 1.5" (38mm) Inside Diameter Corrugated Tubing (page J.18)</p> |
|  <p>6 FRRRA6X4L** – 6x4 Horizontal Right Angle Fitting and FRRASC6L** – Split Cover (page J.17)</p> |  <p>18 FRSPJ2X2L** – Spill-Over Junction with 2x2 Exit (J.30) and FRSPJC26L** – Cover for 6x4 System (page J.19)</p> |
|  <p>7 FRT6X4L** – 6x4 Horizontal Tee Fitting and FRTSC6L** – Split Cover (page J.17)</p> |  <p>19 FRSPJ4X4L** – Spill-Over Junction with 4x4 Exit (page J.24) and FRSPJC46L** – Cover for 6x4 System (page J.19)</p> |
|  <p>8 FRFWC6X4L** – 6x4 4-Way Cross Fitting and FRFWCSC6L** – Split Cover (page J.16-17)</p> |  <p>20 FRRF6FR4L** – 6x4 to 4x4 FiberRunner™ Reducer Fitting and FRRF6FR4SCL** – Split Cover (page J.18)</p> |
|  <p>9 FRVT6X4L** – 6x4 QuikLock™ Vertical Tee (page J.18)</p> | |
|  <p>10 FRIV456X4L** – 6x4 Inside Vertical 45° Angle Fitting (page J.18)</p> | |
|  <p>11 FRIVRA6X4L** – 6x4 Inside Vertical 90° Angle Fitting (page J.18)</p> | |
|  <p>12 FROV456X4L** – 6x4 Outside Vertical 45° Angle Fitting and FROV45SC6L** – Split Cover (page J.17)</p> | |

**Available Colors: YL (Yellow), and BL (Black).

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt., Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

6x4 FiberRunner™ Routing System – Channel and Covers

- Robust, large capacity 6x4 system ideal for use with large cable counts
- Multiple spillout options provide versatility to mate to various equipment and rack configurations
- QuikLock™ Couplers and Brackets reduce system installation time dramatically
- Channel, covers, fittings and other non-metallic system components made from V-0 flame class rated material
- Compatible with all sizes of Panduit™ FiberRunner™ Routing Systems, Cable Management, and Racks
- Compliant with the applicable tests in Telcordia GR-63-CORE Network Equipment Building Systems (NEBS) Level 3



FR6X4YL10



FRHC6YL10



FRSHC6YL10

Part Number	Description	Color
-------------	-------------	-------

6x4 Channels

FR6X4YL10	Used to carry the cables horizontally throughout the system. Accepts hinged cable retainers FRCR6BL-X, hinged cover FRHC6YL10 or split hinged cover FRSHC6YL10. Use QuikLock™ Coupler FRBC6X4LYL to attach channel and/or fittings.	Yellow
------------------	---	--------

6x4 Snap-On Hinged Cover

FRHC6YL10	Hinge feature enables positioning of cover at angles between 30° and 90°.	Yellow
------------------	---	--------

6x4 Split Hinged Cover

FRSHC6YL10	Split hinged cover for the channel FR6X4YL10. Creates radiused 0.75" (19mm) opening for easy access to add or remove cables. Snap-on hinge feature enables positioning of cover at angles between 30° and 90°.	Yellow
-------------------	--	--------

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors replace YL (Yellow) with BL (Black).

6x4 FiberRunner™ QuikLock™ Coupler

- Pre-assembled to provide fast mechanical assembly of components
- No tools required for installation; bolts loosen for component disassembly



FRBC6X4LYL

Part Number	Description	Color
FRBC6X4LYL	Coupler quickly joins two sections of channel and/or fittings.	Yellow

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors replace YL (Yellow) with BL (Black).

6x4 FiberRunner™ System Fittings

- Minimum 2 inches (50.8mm) bend radius control fittings
- Split covers snap onto each fitting
- Protect against signal loss and performance degradation
- Assemble using FRBC QuikLock™ Couplers



FRFWC6X4LYL

Part Number	Description	Couplers Required	Color
-------------	-------------	-------------------	-------

6x4 Four-Way Cross Fitting

FRFWC6X4LYL	Attaches to a 6x4 channel and/or fittings to create a horizontal four-way cross intersection. Accepts split cover FRFWCSC6LYL.	(4 pcs.) FRBC6X4LYL	Yellow
--------------------	--	------------------------	--------

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors replace YL (Yellow) with BL (Black).

6x4 FiberRunner™ System Fittings (continued)



FRFWCSC6LYL



FRT6X4LYL



FRTSC6LYL



FRH456X4LYL



FRH45SC6LYL



FRR6X4LYL



FRRASC6LYL



FREC6X4LYL



FROV456X4LYL



FROV45SC6LYL



FROVRASC6LYL

Part Number	Description	Couplers Required	Color
Split Cover for 6x4 Four-Way Cross Fitting			
FRFWCSC6LYL	Split cover for the four-way cross fitting FRFWC6X4LYL.	—	Yellow
6x4 Horizontal Tee Fitting			
FRT6X4LYL	Attaches to a 6x4 channel and/or fittings to create a 90° horizontal branch from a straight horizontal run. Accepts split cover FRTSC6LYL.	(3 pcs.) FRBC6X4LYL	Yellow
Split Cover for 6x4 Horizontal Tee Fitting			
FRTSC6LYL	Split cover for the horizontal tee fitting FRT6X4LYL	—	Yellow
6x4 Horizontal 45° Angle Fitting			
FRH456X4LYL	Attaches to a 6x4 channel and/or fittings to create a 45° horizontal turn from a straight horizontal run. Accepts split cover FRH45SC6LYL.	(2 pcs.) FRBC6X4LYL	Yellow
Split Cover for 6x4 Horizontal 45° Angle Fitting			
FRH45SC6LYL	Split cover for the horizontal 45° angle fitting FRH456X4LYL.	—	Yellow
6x4 Horizontal Right Angle Fitting			
FRR6X4LYL	Attaches to a 6x4 channel and/or fittings to create a 90° horizontal turn from a straight horizontal run. Accepts split cover FRRASC6LYL.	(2 pcs.) FRBC6X4LYL	Yellow
Split Cover for 6x4 Horizontal Right Angle Fitting			
FRRASC6LYL	Split cover for the horizontal right angle fitting FRR6X4LYL.	—	Yellow
6x4 End Cap Fitting			
FREC6X4LYL	Used for closing off open ends of the channel or fittings.	—	Yellow
6x4 Outside Vertical 45° Angle Fitting			
FROV456X4LYL	Attaches to a 6x4 channel and/or fittings to create a 45° upward angle from a straight horizontal run. Used with outside vertical 45° angle fitting FROV456X4LYL to change level of a straight horizontal run. Includes split cover.	(2 pcs.) FRBC6X4LYL	Yellow
Split Cover for 6x4 Outside Vertical 45° Angle Fitting			
FROV45SC6LYL	Split cover for the outside vertical 45° angle fitting FROV456X4LYL.	—	Yellow
6x4 Outside Vertical Right Angle Fitting			
FROVRA6X4LYL	Attaches to a 6x4 channel and/or fittings to create a 90° vertical turn down from a straight horizontal run. Accepts split cover FROVRASC6LYL.	(2 pcs.) FRBC6X4LYL	Yellow
Split Cover for 6x4 Outside Vertical Right Angle Fitting			
FROVRASC6LYL	Split cover for the outside vertical right angle fitting FROVRA6X4LYL.	—	Yellow

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors replace YL (Yellow) with BL (Black).

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

A.
Product
Showcase

6x4 FiberRunner™ System Fittings (continued)

B.
Copper
Systems



FRIV456X4LYL

C.
Fiber
Systems



FRIVRA6X4LYL

D.
Industrial
Networks



FRRF6FR4LYL

E.
Audio
Video
Systems



FRRF6FR4SCLYL

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

- Spill-overs allow safe transition from horizontal to vertical runs
- 2 inch (50.8mm) bend radius control

- Transition to channel, slotted channel, and corrugated loom tubing

H.
Power and
Connectivity
Management



FRVT6X4YL

I.
Cable
Management
Accessories



FRTR6X4LYL

J.
Cable
Routing
Systems



FRIDT6X4LYL

K.
Cable
Cleats



FRIDT6X4LYL

L.
Part
Number
Index

Part Number	Description	Couplers Required	Color
-------------	-------------	-------------------	-------

6x4 Inside Vertical 45° Angle Fitting

FRIV456X4LYL	Attaches to a 6x4 channel and/or fittings to create a 45° upward angle from a straight horizontal run. Used with outside vertical 45° angle fitting FROV456X4LYL to change level of a straight horizontal run. Includes split cover.	(2 pcs.) FRBC6X4LYL	Yellow
--------------	--	------------------------	--------

6x4 Inside Vertical Right Angle Fitting

FRIVRA6X4LYL	Attaches to a 6x4 channel and/or fittings to create a 90° upward angle from a straight horizontal run. Used with outside vertical 90° angle fitting FROVRA6X4LYL to change level of a straight horizontal run. Includes split cover.	(2 pcs.) FRBC6X4LYL	Yellow
--------------	--	------------------------	--------

6x4 to 4x4 Reducer Fitting

FRRF6FR4LYL	Attaches any 6x4 FiberRunner™ Fitting or Channel to any 4x4 FiberRunner™ Fitting or Channel. Accepts split cover FRRF6FR4SCLYL.	(1 pc.) FRBC6X4LYL (1 pc.) FRBC4X4LYL	Yellow
-------------	---	--	--------

Split Cover for 6x4 to 4x4 Reducer Fitting

FRRF6FR4SCLYL	Split cover for the 6x4 FiberRunner™ to 4x4 FiberRunner™ Reducer Fitting FRRF6FR4LYL.	—	Yellow
---------------	---	---	--------

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors replace YL (Yellow) with BL (Black).

6x4 FiberRunner™ System Spillouts

Part Number	Description	Couplers Required	Color
-------------	-------------	-------------------	-------

6x4 Vertical Tee

BEST SELLER

FRVT6X4YL	Attaches to a 6x4 channel and/or fittings to create 90° vertical drop from a straight horizontal run. Hinged door included. Accepts snap-on cover FRHC6LYL6 in conjunction with channel.	(2 pcs.) FRBC6X4LYL	Yellow
-----------	--	------------------------	--------

3-Sided BRC Trumpet Spillout for 6x4 Exit

FRTR6X4LYL	Used to limit the bend radius of the cable to 2" (50.8mm) when exiting from 6x4 channel, 6x4 horizontal tee fitting, or 6x4 exit on 12x4 vertical tee.	(1 pc.) FRBC6X4LYL	Yellow
------------	--	-----------------------	--------

3-Port Spillout to 1.5" (38mm) Inside Diameter Corrugated Tubing

FRIDT6X4LYL	Used to route cable into three separate pieces of 1.5" (38mm) diameter split corrugated tubing. Used with FRVT12X4LYL or any 6x4 fitting.	(1 pc.) FRBC6X4LYL	Yellow
-------------	---	-----------------------	--------

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors replace YL (Yellow) with BL (Black).

6x4 FiberRunner™ System Spillouts (continued)



FRDDS6X4LYL



FRDDSHC6LYL



FRSPJC26LYL



FRSPJC46LYL



FRCR6LBL-X

Part Number	Description	Couplers Required	Color
Dual Downspout with Throat Covers			
FRDDS6X4LYL	Attaches to a 6x4 channel and/or fitting to create two 90° 4x4 downward transitions from a horizontal run. The fitting maintains a 2" bend radius control throughout the transition to the vertical downspouts. It includes two snap-on throat covers for the dual downspouts.	-	Yellow
6x4 Dual Downspout Cover			
FRDDSHC6LYL	Used to fully enclose the 6x4 dual downspout fitting FRDDS6X4LYL.	-	Yellow
6x4 Spill-Over Junction with 2x2 Exit			
FRSPJC26LYL	Assembles onto 4x4, 6x4, 12x4, or 24x4 FiberRunner™ Channel, spilling over the side into a 2x2 vertical exit. Requires coupler to attach 2x2 FiberRunner™ and fittings to the vertical exit.	(1 pc.) FBC2X2LYL	Yellow
Cover for Spill-Over Junction with 4x4 Exit for 6x4 Channel			
FRSPJC46LYL	Used to fully enclose 6x4 channel in conjunction with the spill-over junction FRSPJ4X4LYL.	-	Yellow
Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors replace YL (Yellow) with BL (Black).			
6x4 Cable Retainer			
FRCR6LBL-X	Holds cable in the channel when cover is not used.	-	Black

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt.,
Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

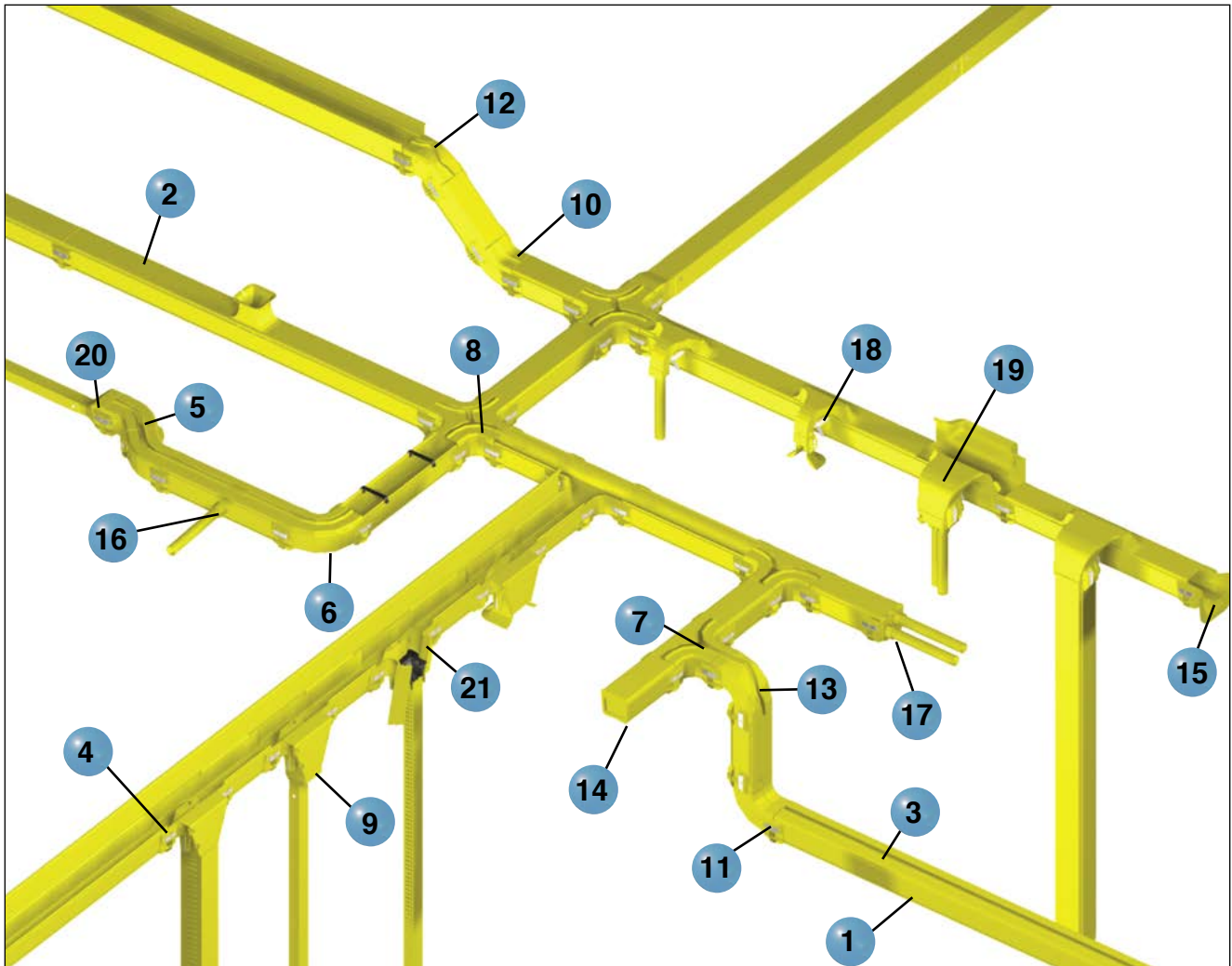
I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

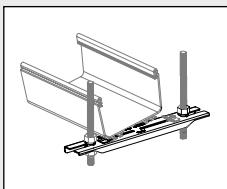
K.
Cable
Cleats

L.
Part
Number
Index

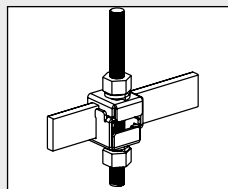
4x4 Routing System Roadmap



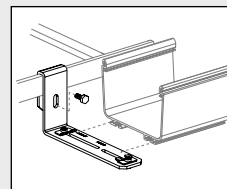
4x4 and 6x4 FiberRunner™ Mounting Brackets



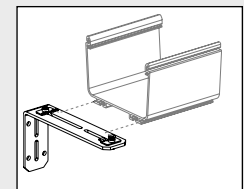
**FR6TB38 – Trapeze
QuikLock™ Bracket**
(page J.25)



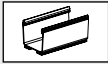
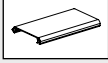
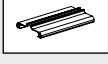
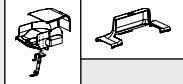
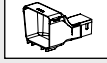
**F2PCLB – Two-Piece
Ladder Rack Bracket**
for Attaching Threaded Rod
to 1 1/2" – 2" Ladder Rack
(page J.25)



**FR6LRB – Ladder Rack
QuikLock™ Bracket**
(page J.25)



**FR6LB – "L" Wall
Mount QuikLock™
Bracket** (page J.25)

- | | |
|---|---|
|  <p>1 FR4X4**10 – 4x4 FiberRunner™ Channel (page J.22)</p> |  <p>13 FROVRA4X4L** – 4x4 Outside Vertical Right Angle Fitting and FROVRASC4L** – Split Cover (page J.23)</p> |
|  <p>2 FRHC4**10 – 4x4 Snap-On Hinged Cover (page J.22)</p> |  <p>14 FREC4X4L** – 4x4 End Cap Fitting (page J.23)</p> |
|  <p>3 FRSHC4**10 – 4x4 Split Hinged Cover (page J.22)</p> |  <p>15 FRTR4X4L** – 3-Sided BRC Trumpet Spillout for 4x4 FiberRunner™ Exit (page J.24)</p> |
|  <p>4 FRBC4X4L** – 4x4 QuikLock™ Coupler (page J.22)</p> |  <p>16 FR1.5IDEL** – 1-Port Spillout Side Exit to 1.5" (38mm) Inside Diameter Corrugated Tubing (page J.30)</p> |
|  <p>5 FRH454X4L** – 4x4 Horizontal 45° Angle Fitting and FRH45SC4L** – Split Cover (page J.23)</p> |  <p>17 FRIDT4X4L** – 2-Port Spillout to 1.5" (38mm) inside diameter Corrugated Tubing (page J.24)</p> |
|  <p>6 FRRA4X4L** – 4x4 Horizontal Right Angle Fitting and FRRASC4L** – Split Cover (page J.23)</p> |  <p>18 FRSPJ2X2L** – Spill-Over Junction with 2x2 Exit and FRSPJC24L** – Cover for 4x4 System (page J.30)</p> |
|  <p>7 FRT4X4L** – 4x4 Horizontal Tee Fitting and FRTSC4L** – Split Cover (page J.22 - J.23)</p> |  <p>19 FRSPJ4X4L** – Spill-Over Junction with 4x4 Exit and FRSPJC44L** – Cover for 4x4 System (page J.24)</p> |
|  <p>8 FRFWC4X4L** – 4x4 4-Way Cross Fitting and FRFWCSC4L** – Split Cover (page J.22)</p> |  <p>20 FRRF4FD2L** – 4x4 FiberRunner™ System to 2x2 Reducer Fitting with Cover (page J.23)</p> |
|  <p>9 FRVT4X4L** – 4x4 QuikLock™ Vertical Tee (page J.24)</p> |  <p>21 FRLPR42L** – Low Profile Reducer 4x4 to 2x2 for Vertical Tee (page J.30)</p> |
|  <p>10 FRIV454X4L** – 4x4 Inside Vertical 45° Angle Fitting (page J.23)</p> | |
|  <p>11 FRIVRA4X4L** – 4x4 Inside Vertical Right Angle Angle Fitting (page J.23)</p> | |
|  <p>12 FROV454X4L** – 4x4 Outside Vertical 45° Angle Fitting and FROV45SC4L** – Split Cover (page J.23)</p> | |

**Available colors: YL (Yellow) and BL (Black).

A.
Product
Showcase

4x4 FiberRunner™ Routing System – Channels and Covers

- Robust 4x4 system ideal for use with smaller cable counts
- Multiple spillout options provide versatility to mate to various equipment and rack configurations
- QuikLock™ Couplers and Brackets reduce system installation time dramatically
- Channel, covers, fittings and other non-metallic system components made from V-0 flame class rated material
- Compatible with all sizes of Panduit™ FiberRunner™ Routing Systems, Cable Management, and Racks
- Compliant with the applicable tests in Telcordia GR-63-CORE Network Equipment Building Systems (NEBS) Level 3

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index



FR4X4YL10



FRHC4YL10



FRSHC4YL10

Part Number	Description	Color
-------------	-------------	-------

4x4 Channels

BEST SELLER

FR4X4YL10

Used to carry the cables horizontally throughout the system. Accepts hinged cable retainers FRCR4LBL-X, hinged cover FRHC4YL10, or split hinged cover FRSHC4YL10. Use QuikLock™ Coupler FRBC4X4LYL to attach channel and/or fittings.

Yellow

4x4 Snap-On Hinged Cover

FRHC4YL10

Snap-on hinged cover for channel FR4X4YL10. Hinge feature enables positioning of cover at angles between 30° to 90°.

Yellow

4x4 Split Hinged Cover

FRSHC4YL10

Split hinged cover for the channel FR4X4YL10. Creates radiused 0.75" (19mm) opening for easy access to add or remove cables. Snap-on hinge feature enables positioning of cover at angles between 30° and 90°.

Yellow

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors, replace YL (Yellow) with BL (Black).

4x4 FiberRunner™ Coupler

- Pre-assembled to provide fast mechanical assembly of components
- No tools required for installation; bolts loosen for component disassembly



Part Number	Description	Color
-------------	-------------	-------

BEST SELLER

FRBC4X4LYL

Pre-assembled coupler quickly joins two sections of channel and/or fittings.

Yellow

BEST SELLER

FRBC4X4LYL-E

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors, replace YL (Yellow) with BL (Black). -E indicates 20 couplers per package.

4x4 FiberRunner™ System Fittings

- Minimum 2 inch (50.8mm) bend radius control fittings
- Protects against signal loss and performance degradation
- Assemble using FRBC QuikLock™ Couplers
- Split covers snap onto each fitting



FRFWC4X4LYL



FRFWCSC4LYL



FRT4X4LYL

Part Number	Description	Couplers Required	Color
-------------	-------------	-------------------	-------

4x4 Four Way Cross Fitting

FRFWC4X4LYL

Attaches to a 4x4 channel and/or fittings to create a horizontal four way cross intersection. Accepts split cover FRFWCSC4LYL.

(4 pcs.)
FRBC4X4LYL

Yellow

Split Cover for 4x4 Four Way Cross Fitting

FRFWCSC4LYL

Split cover for the four way cross fitting FRFWC4X4LYL.

—

Yellow

4x4 Horizontal Tee Fitting

FRT4X4LYL

Attaches to a 4x4 channel and/or fittings to create 90° horizontal branch from straight horizontal runs. Accepts split cover FRTSC4LYL.

(3 pcs.)
FRBC4X4LYL

Yellow

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors, replace YL (Yellow) with BL (Black).

4x4 FiberRunner™ System Fittings



FRTSC4LYL



FREC4X4LYL



FRH454X4LYL



FRH45SC4LYL



FRR44X4LYL



FRRASC4LYL



FROV454X4LYL



FROV45SC4LYL



FROVRA4X4LYL



FROVRASC4LYL



FRIV454X4LYL



FRIVRA4X4LYL



FRRF4FD2LYL

Part Number	Part Description	Couplers Required	Color
Split Cover for 4x4 Horizontal Tee Fitting			
FRTSC4LYL	Split cover for the horizontal tee fitting FRT4X4LYL.	—	Yellow
4x4 End Cap Fitting			
FREC4X4LYL	Used for closing off open ends of the channel or fittings.	—	Yellow
4x4 Horizontal 45° Angle Fitting			
FRH454X4LYL	Attaches to a 4x4 channel and/or fittings to create a 45° horizontal turn from a straight horizontal run. Accepts split cover FRH45SC4LYL.	(2 pcs.) FRBC4X4LYL	Yellow
Split Cover for 4x4 Horizontal 45° Angle Fitting			
FRH45SC4LYL	Split cover for the horizontal 45° angle fitting FRH454X4LYL.	—	Yellow
4x4 Horizontal Right Angle Fitting			
FRR44X4LYL	Attaches to a 4x4 channel and/or fitting to create a 90° horizontal turn from a straight horizontal run. Accepts split cover FRRASC4LYL.	(2 pcs.) FRBC4X4LYL	Yellow
Split Cover for 4x4 Horizontal Right Angle Fitting			
FRRASC4LYL	Split cover for the horizontal right angle fitting FRR44X4LYL.	—	Yellow
4x4 Outside Vertical 45° Angle Fitting			
FROV454X4LYL	Attaches to a 4x4 channel and/or fittings to create a 45° downward angle from a horizontal run. Used with inside vertical 45° angle fitting FRIV454X4LYL to change level of a straight horizontal run. Accepts split cover FROV45SC4LYL.	(2 pcs.) FRBC4X4LYL	Yellow
Split Cover for 4x4 Outside Vertical 45° Angle Fitting			
FROV45SC4LYL	Split cover for the outside vertical 45° angle fitting FROV454X4LYL.	—	Yellow
4x4 Outside Vertical Right Angle Fitting			
FROVRA4X4LYL	Attaches to a 4x4 channel and/or fittings to create a 90° vertical turn down from a straight horizontal run. Accepts split cover FROVRASC4LYL.	(2 pcs.) FRBC4X4LYL	Yellow
Split Cover for 4x4 Outside Vertical Right Angle Fitting			
FROVRASC4LYL	Split cover for the outside vertical 90° angle fitting FROVRA4X4LYL.	—	Yellow
4x4 Inside Vertical 45° Angle Fitting			
FRIV454X4LYL	Attaches to a 4x4 channel and/or fittings to create a 45° upward angle from a horizontal run. Used with outside vertical 45° angle fitting FROV454X4LYL to change level of a straight horizontal run. Includes split cover.	(2 pcs.) FRBC4X4LYL	Yellow
4x4 Inside Vertical Right Angle Fitting			
FRIVRA4X4LYL	Attaches to a 4x4 channel and/or fittings to create a 90° upward angle from a straight horizontal run. Used with outside vertical 90° angle fitting FROVRA4X4LYL to change level of a straight horizontal run. Includes split cover.	(2 pcs.) FRBC4X4LYL	Yellow
4x4 to 2x2 Reducer Fitting with Cover			
FRRF4FD2LYL	Attaches any 4x4 FiberRunner™ Fitting or Channel to any 2x2 FiberRunner™ Channel.	(1 pc.) FRBC4X4LYL	Yellow

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors, replace YL (Yellow) with BL (Black).

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

A.
Product
Showcase

4x4 FiberRunner™ System Spillouts

- Spill-overs allow safe transition from horizontal to vertical runs
- 2 inch (50.8mm) bend radius control
- Transition to channel, slotted channel, and corrugated loom tubing

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index



FRVT4X4LYL



FTR4X4LYL



FRTR4X4LYL



FRIDT4X4LYL



FRSPJ4X4LYL



FRSPJC44LYL



FRSPJC24LYL



FRCR4LBL-X

Part Number	Description	Couplers Required	Color
-------------	-------------	-------------------	-------

4x4 Vertical Tee Spillout

BEST SELLER

FRVT4X4LYL	Attaches to a 4x4 channel and/or fittings to create a 90° vertical drop from a horizontal run. Hinged door included. Accepts snap-on cover FRHC4LYL6 in conjunction with channel.	(2 pcs.) FRBC4X4LYL	Yellow
------------	---	------------------------	--------

3-Sided Vertical Tee Trumpet Spillout

FTR4X4LYL	Used to limit the bend radius of the cable to 2" (50.8mm) when exiting from a 4x4 or 6x4 FiberRunner™ Vertical Tee or 4x4 Fitting.	-	Yellow
-----------	--	---	--------

3-Sided BRC Trumpet Spillout for 4x4 Exit

FRTR4X4LYL	Used to limit the bend radius of the cable to 2" (50.8mm) when exiting from 4x4 FiberRunner™ Channel or Horizontal Tee.	(1 pc.) FRBC4X4LYL	Yellow
------------	---	-----------------------	--------

2-Port Spillout to 1.5 inch (38mm) Inside Diameter Corrugated Tubing

FRIDT4X4LYL	Used to route cable into one or two pieces of 1.5" (38mm) diameter split corrugated tubing. Requires a coupler to be used with 4x4 FiberRunner™ Fitting.	(1 pc.) FRBC4X4LYL	Yellow
-------------	--	-----------------------	--------

4x4 Spill-Over Junction Fitting with 4x4 Exit

FRSPJ4X4LYL	Assembles onto a 4x4, 6x4, 12x4, or 24x4 FiberRunner™ Channel, spilling over the side into a 4x4 vertical exit. Requires a coupler to attach channels and fittings to the vertical exit.	(1 pc.) FRBC4X4LYL	Yellow
-------------	--	-----------------------	--------

Cover for Spill-Over Junction Fitting with 4x4 Exit

FRSPJC44LYL	Used to fully enclose 4x4 channel in conjunction with the spill-over junction FRSPJ4X4LYL.	-	Yellow
-------------	--	---	--------

Cover for Spill-Over Junction with 2x2 Exit for 4x4 Channel

FRSPJC24LYL	Used to fully enclose 4x4 channel in conjunction with the spill-over junction FRSPJ2X2LYL.	-	Yellow
-------------	--	---	--------

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors, replace YL (Yellow) with BL (Black).

4x4 Cable Retainer

FRCR4LBL-X	Holds cable in the channel when cover is not used.	-	Black
------------	--	---	-------

4x4 and 6x4 FiberRunner™ Mounting Brackets



Part Number	Description	Couplers Required
Top Support Adjustable “C” QuikLock™ Bracket		
FR6ACB12	Used to support the 6x4 and 4x4 systems from any new threaded rod extending down directly from the ceiling, grid, or ladder rack system. Two position height adjustments to accommodate system with or without hinged cover.	0.5"
FR6ACB12M		12mm
FR6ACB58		16 mm
Adjustable Ladder Bracket		
BEST SELLER FR6ALB	Used to support the 6x4 and 4x4 systems attaching to any 0.375" (9.5mm) x 1.5" (38.1mm) or 0.375" (9.5mm) x 2" (50.8mm) ladder rack rail. Adjustable to nine incremental positions from 4" (101mm) to 12" (305mm) above or below the ladder rack.	-
Existing Threaded Rod QuikLock™ Bracket		
BEST SELLER FR6TRBE12	Used to support the 6x4 and 4x4 systems from existing threaded rod installations.	0.5"
FR6TRBE58		0.625"
New Threaded Rod QuikLock™ Bracket		
FR6TRBN12	Used to support the 6x4 and 4x4 systems from any new threaded rod installations.	0.5"
FR6TRBN58		0.625"
Trapeze QuikLock™ Bracket		
FR6TB12M	Used to support the 6x4 and 4x4 systems by spanning two threaded rod drops. Can be installed from above or below.	12mm
FR6TB38		10mm
Center Support QuikLock™ Bracket		
FR6CS12	Used to support the 6x4 and 4x4 systems from below with new threaded rod.	0.5"
FR6CS58		0.625"
FR6CS12M		12mm
Ladder Rack QuikLock™ Bracket		
FR6LB	Used to support the 6x4 and 4x4 systems attaching directly to any 0.375" (9.5mm) x 1.5" (38.1mm) or 0.375" (9.5mm) x 2" (50.8mm) ladder rack rail.	-

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

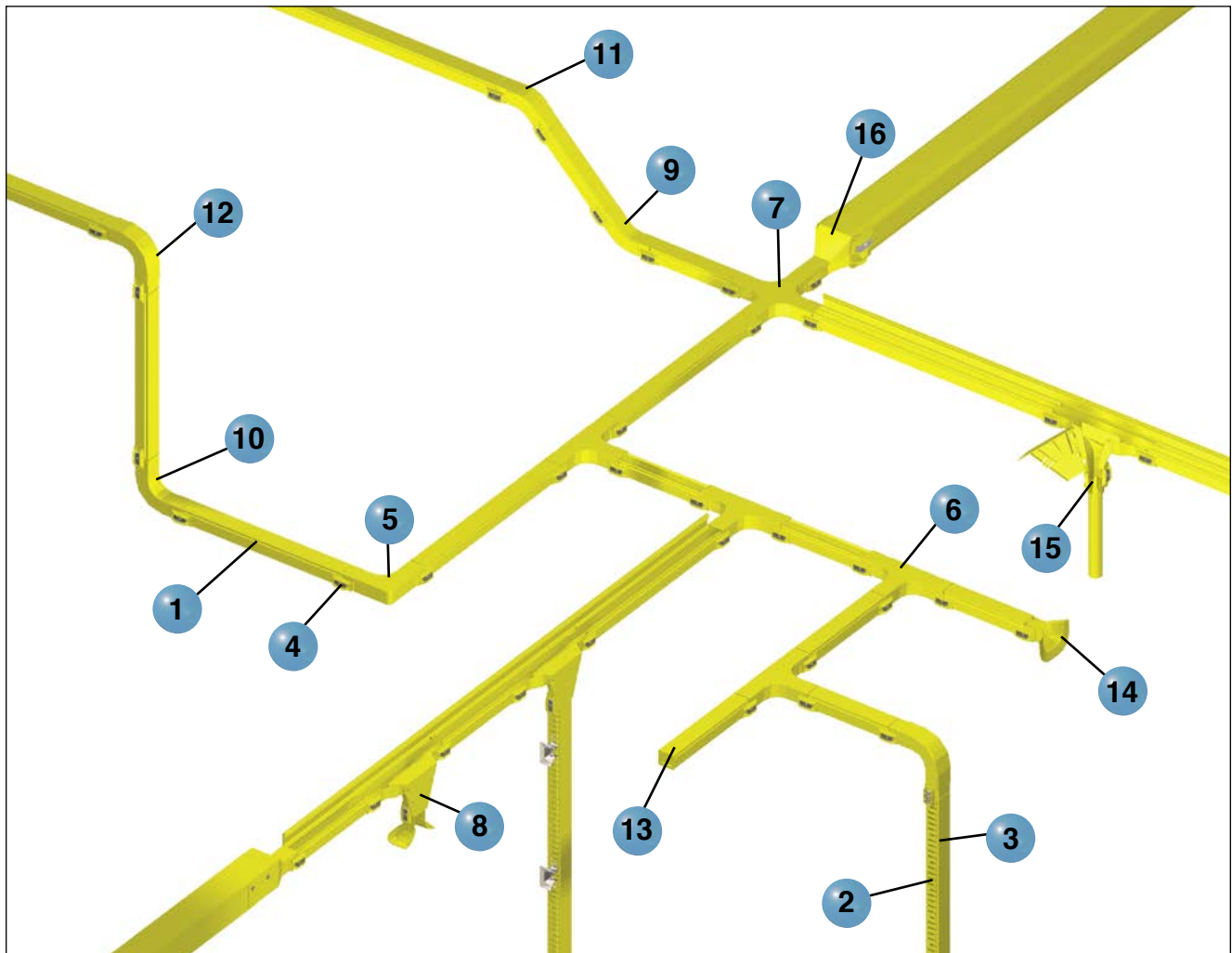
I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

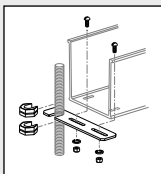
K.
Cable
Cleats

L.
Part
Number
Index

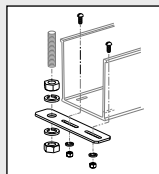
2x2 Routing System Roadmap



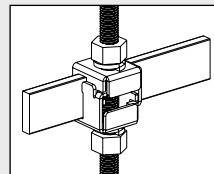
FiberRunner™ Mounting Brackets



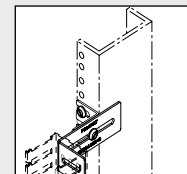
**FTRBE12 – Existing
Threaded Rod
Bracket (page J.31)**



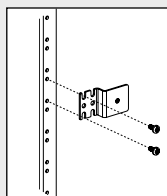
**FTRBN12 – New
Threaded Rod Bracket
(page J.31)**



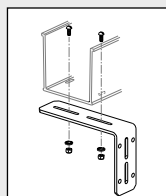
**F2PCLB12 – Two-Piece Ladder
Rack Bracket for Attaching
Threaded Rod to 1.5\"/>**



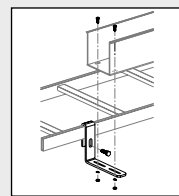
**FZBA1.5X4 – Adjustable
\"Z\" Bracket
(page J.31)**



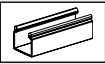
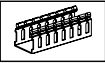
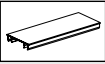
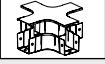
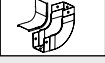
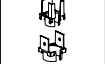
**FZBLP – Low Profile
\"Z\" Bracket
(page J.31)**



**FLB – \"L\" Wall
Mount Bracket
(page J.31)**



**FLRB – Ladder
Rack Bracket
(page J.31)**

- | | | |
|--|-----------|---|
|  | 1 | HS2X2**10 – 2x2 FiberRunner™ Hinged Channel (page J.28) |
|  | 2 | H2X2**10 – 2x2 FiberRunner™ Hinged Slotted Channel (page J.28) |
|  | 3 | HC2**10 – 2x2 FiberRunner™ Snap-On Hinged Cover (page J.28) |
|  | 4 | FBC2X2L** – 2x2 QuikLock™ Coupler (page J.28) |
|  | 5 | FRA2X2L** – 2x2 Horizontal Right Angle Fitting (page J.29) |
|  | 6 | FT2X2L** – 2x2 Horizontal Tee Fitting (page J.28) |
|  | 7 | FFWC2X2L** – 2x2 4-Way Cross Fitting (page J.28) |
|  | 8 | FVTHD2X2L** – 2x2 Vertical Tee (page J.29) |
|  | 9 | FIV452X2L** – 2x2 Inside Vertical 45° Angle Fitting (page J.29) |
|  | 10 | FIVRA2X2L** – 2x2 Inside Vertical Right Angle Fitting (page J.29) |
|  | 11 | FOV452X2L** – 2x2 Outside 45° Angle Fitting (page J.29) |
|  | 12 | FOVRA2X2L** – 2x2 Outside Vertical Right Angle Fitting (page J.29) |
|  | 13 | FHDEC2X2L** – 2x2 End Cap Fitting (page J.29) |
|  | 14 | FTR2X2L** – 3-Sided BRC Trumpet Spillout for 2x2 Exit (page J.29) |
|  | 15 | FIDT2X2L** – 1-Port Spillout to 1.5" (38mm) Inside Diameter Corrugated Tubing (page J.30) |
|  | 16 | FRRF4FD2L** – 4x4 FiberRunner™ to 2x2 Reducer Fitting (page J.23) |

**Available colors: YL (Yellow) and BL (Black).

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

2x2 FiberRunner™ Routing System – Channel and Covers

- 2x2 system ideal for use with smaller cable counts
- Multiple spillout options provide versatility to mate to various equipment and rack configurations
- QuikLock™ Couplers reduce system installation time dramatically
- Channel, covers, fittings and other non-metallic system components made from V-0 flame class rated material
- Compatible with all sizes of Panduit™ FiberRunner™ Routing Systems, Cable Management, and Racks
- Compliant with the applicable tests in Telcordia GR-63-CORE Network Equipment Building Systems (NEBS) Level 3



HS2X2YL10NM



H2X2YL10



HC2YL10

Part Number	Description	Color
-------------	-------------	-------

2x2 Hinged Channel

HS2X2YL10NM	Used to carry the cables throughout the system. Accepts hinged cover HC2YL10. Use QuikLock™ Coupler FBC2X2YL to attach channel and/or fittings.	Yellow
-------------	---	--------

2x2 Hinged Slotted Channel

H2X2YL10	Used to carry the cables vertically to the front or the back of equipment racks throughout the system. Accepts hinged cover HC2YL10. Extra supports required when used in horizontal applications. Use QuikLock™ Coupler FBC2X2YL to attach channel and/or fittings.	Yellow
----------	--	--------

2x2 Hinged Snap-On Cover

HC2YL10	Snap-on cover for hinged channel HS2X2YL10 or H2X2YL10. Cover can hinge open to 90° from either side of the channel and be removed completely if desired.	Yellow
---------	---	--------

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors, replace YL (Yellow) with BL (Black).

2x2 FiberRunner™ QuikLock™ Coupler

- Pre-assembled to provide fast mechanical assembly of components
- No tools required for installation; bolts loosen for component disassembly



Part Number	Description	Color
BEST SELLER FBC2X2LYL	Coupler quickly joins two sections of hinged channel and/or fittings.	Yellow

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors, replace YL (Yellow) with BL (Black).

2x2 FiberRunner™ System Fittings



FFWC2X2LYL



FT2X2LYL

Part Number	Description	Couplers Required	Color
-------------	-------------	-------------------	-------

2x2 Four Way Cross Fitting

FFWC2X2LYL	Attaches to a 2x2 channel and/or fittings to create a horizontal four way cross intersection. Accepts split cover FRFWCSC2LYL.	(4 pcs.) FBC2X2LYL	Yellow
------------	--	-----------------------	--------

2x2 Horizontal Tee Fitting

FT2X2LYL	Attaches to 4x4 a channel and/or fittings to create 90° horizontal branch from straight horizontal runs. Accepts split cover FRTSC2LYL.	(3 pcs.) FRBC2X2LYL	Yellow
----------	---	------------------------	--------

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors, replace YL (Yellow) with BL (Black).

2x2 FiberRunner™ System Fittings



Part Number	Description	Couplers Required	Color
2x2 End Cap Fitting			
FHDEC2X2LYL	Used for closing off open ends of the channel or fittings.	-	Yellow
2x2 Horizontal Right Angle Fitting			
FRA2X2LYL	Attaches to a 2x2 channel and/or fitting to create a 90° horizontal turn from a straight horizontal run. Accepts split cover FRRASC2LYL.	(2 pcs.) FBC2X2LYL	Yellow
2x2 Outside Vertical 45° Angle Fitting			
FOV452X2LYL	Attaches to a 2x2 channel and/or fittings to create a 45° downward angle from a horizontal run. Used with inside vertical 45° angle fitting FRIV452X2LYL to change level of a straight horizontal run. Accepts split cover FROV45SC2LYL.	(2 pcs.) FBC2X2LYL	Yellow
2x2 Outside Vertical Right Angle Fitting			
FOVRA2X2LYL	Attaches to a 2x2 channel and/or fittings to create a 90° vertical turn down from a straight horizontal run. Accepts split cover FROVRASC2LYL.	(2 pcs.) FBC2X2LYL	Yellow
2x2 Inside Vertical 45° Angle Fitting			
FIV452X2LYL	Attaches to a 2x2 channel and/or fittings to create a 45° upward angle from a horizontal run. Used with outside vertical 45° angle fitting FROV452X2LYL to change level of a straight horizontal run. Includes split cover.	(2 pcs.) FBC2X2LYL	Yellow
2x2 Inside Vertical Right Angle Fitting			
FIVRA2X2LYL	Attaches to a 2x2 channel and/or fittings to create a 90° upward angle from a straight horizontal run. Used with outside vertical 90° angle fitting FROVRA2X2LYL to change level of a straight horizontal run. Includes split cover.	(2 pcs.) FBC2X2LYL	Yellow

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors, replace YL (Yellow) with BL (Black).

2x2 FiberRunner™ System Spillouts

- Spill-overs allow safe transition from horizontal to vertical runs
- 2 inch bend radius control
- Transition to channel, slotted channel, and corrugated loom tubing



Part Number	Description	Couplers Required	Color
2x2 Vertical Tee Spillout			
BEST SELLER FVTHD2X2LYL	Attaches to a 2x2 channel to create a 90° vertical drop from a horizontal run. Hinged door included. Accepts channel cover in conjunction with the channel.	(2 pcs.) FBC2X2LYL	Yellow
3-Sided BRC Trumpet Spillout for 2x2 Exit			
FTR2X2LYL	Used to limit the bend radius of the cable to 2 inches (50.8mm) when exiting from a FiberRunner™ Spill-Over FRSPLYL.	(1 pc.) FBC2X2LYL	Yellow

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors, replace YL (Yellow) with BL (Black).

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

2x2 FiberRunner™ System Spillouts (continued)



FIDT2X2LYL

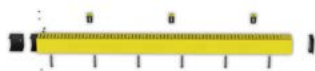


FRSPJ2X2LYL

Part Number	Part Description	Couplers Required	Color
1-Port Spillout to 1.5" (38mm) Inside Diameter Corrugated Tubing			
FIDT2X2LYL	Used to route cable into three separate 1.5" (3.8mm) diameter split corrugated tubing.	(1 pc.) FBC2X2LYL	Yellow
Spill-Over Junction Fitting with 2x2 Exit			
FRSPJ2X2LYL	Assembles onto a 2x2, 4x4, 6x4, 12x4, or 24x4 FiberRunner™ Channel, spilling over the side into a 2x2 vertical exit. Requires a coupler to attach channels and fittings to the vertical exit.	(1 pc.) FBC2X2LYL	Yellow

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors, replace YL (Yellow) with BL (Black).

FiberRunner™ Brackets and Accessories



FRHD4KTYL



FZBA1.5X4

Part Number	Description	For Threaded Rod Size In.	Color
4x4 Hinged Duct Vertical Cable Manager Kit			
FRHD4KTYL	Provides secure, accessible route for cables spilling out from vertical tee to rack mounted equipment. Kit includes 6' of 4x4 capacity hinged duct, 6' of 4x4 hinged duct cover, one end cap for 4x4 hinged duct, three FZBA1.5X4 adjustable "Z" brackets, an adapter fitting, six WR4-C wire retainers and all required mounting hardware. Attaches directly to 6x4 and 4x4 vertical tee exits or FRLPR64 low profile reducer.	-	Yellow
Low Profile Reducer 4x4 Reducer Fitting with 2x2 Exit			
FRLPR42LYL	Assembled into the 6x4 or 4x4 vertical tee allowing transition to a 2x2 channel with minimal space required.	-	Yellow
1-Port Spillout Side Exit to 1.5 Inch (38mm) Inside Diameter Corrugated Tubing			
FR1.5IDELYL	Used to route cable into 1.5" (38mm) diameter split corrugated tubing directly through a hole cut in the side wall of the 4x4, 6x4, and 12x4 channels.	-	Yellow
Adjustable "Z" Bracket			
BEST SELLER FZBA1.5X4	Bracket used to offset a system from the mounting surface, adjustable from 1.5" (38mm) to 4 inches (101mm).	-	Black
Quick Mount Clips			
FRQMC24-X	Bracket mounting clips to accommodate runs for various FiberRunner™ Channels. Use on 12x4 FiberRunner™ QuikLock™ Brackets to accommodate dual runs of 6x4 or 4x4 FiberRunner™ Channels.	0.5	Black

Part numbers reflect products made of PVC. For products made of PC/ABS, please contact Customer Service. For other colors, replace YL (Yellow) with BL (Black).

FiberRunner™ Brackets and Accessories (continued)



FLRB

Part Number	Description	For Threaded Rod Size In.	Color
-------------	-------------	---------------------------	-------

Existing Threaded Rod Brackets

FTRBE12	Used for supporting the 2x2 and 4x4 systems from existing threaded rod installations.	0.5	-
---------	---	-----	---

Ladder Rack Bracket

FLRB	Used to support the 2x2 and 4x4 systems attaching directly to any 0.375" (9.5mm) x 1.5" (38.1mm) or 0.375" (9.5mm) x 2" (50.8mm) ladder rack rail. No threaded rod required.	-	-
------	--	---	---

4-Post Rack Bracket

FR4PRB58	Used to support 12x4, 6x4, and 4x4 systems attaching to the top of the 19" wide version of the Panduit R4P 4-post rack.	0.625	Black
----------	---	-------	-------

Two-Piece Ladder Rack Bracket for Attaching Threaded Rod to 1.5 inches - 2 inches Ladder Rack

F2PCLB12	Two-piece bracket attaches to 0.375" (9.5mm) x 1.5" (38.1mm) or 0.625" (9.5mm) x 2" (50.8mm) ladder rack rail.	0.5	Black
F2PCLB58		0.625	

New Threaded Rod Brackets

FTRBN12	Used for supporting the 2x2 and 4x4 systems from new threaded rod installations.	0.5	-
---------	--	-----	---

Mounting Brackets

FRTBWG12BL	Threaded rod trapeze bracket used to support FiberRunner™ 4x4 and 6x4 Channels above or below the Wyr-Grid™ 12" Pathway using the same 0.5" or 12mm threaded rod used to support the WGTB12BL bracket. Hardware for attaching to threaded rod sold separately.	0.5	Black
FRTBWG18BL	Threaded rod trapeze bracket used to support FiberRunner™ 4x4 and 6x4 Channels above or below the Wyr-Grid™ 12" Pathway using the same 0.5" or 12mm threaded rod used to support the WGTB12BL bracket. Hardware for attaching to threaded rod sold separately.		
FRTBWG24BL	Threaded rod trapeze bracket used to support FiberRunner™ 4x4 and 6x4 Channels above or below the Wyr-Grid™ 12" Pathway using the same 0.5" or 12mm threaded rod used to support the WGTB12BL bracket. Hardware for attaching to threaded rod sold separately.		



FRTBWG18BL

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt., Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

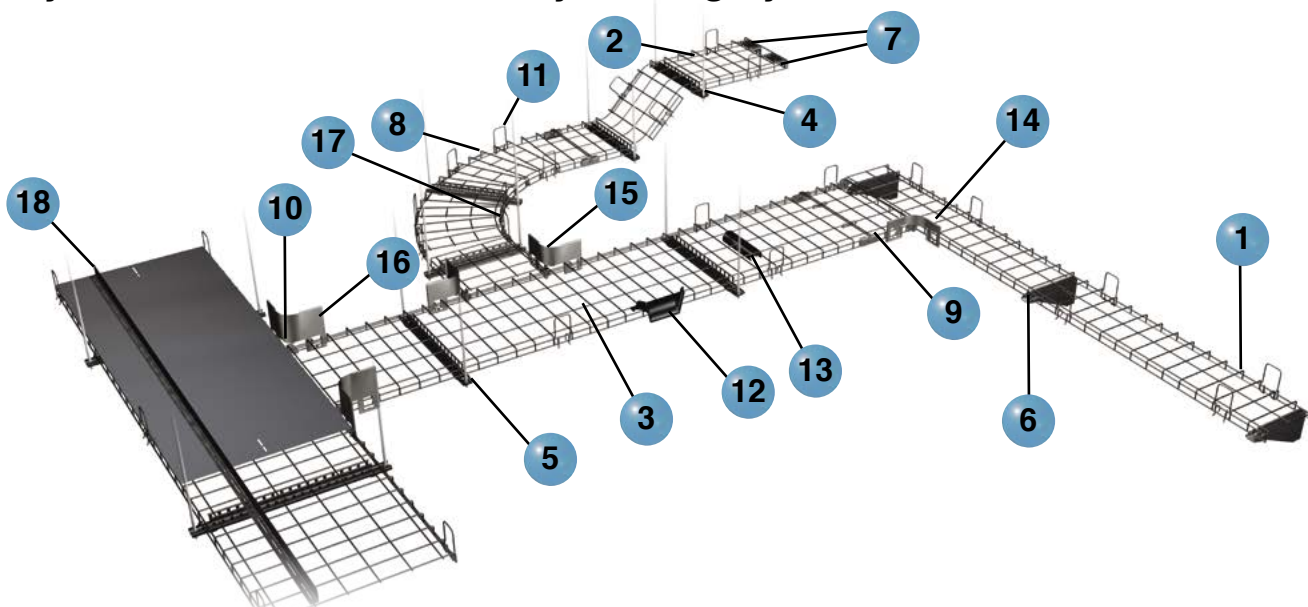
I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Wyr-Grid™ Overhead Cable Tray Routing System



Pathway Sections

8" Width: WG8BL10 (not shown)

- 1 12" Width: WG12BL10
- 2 18" Width: WG18BL10
- 3 24" Width: WG24BL10

Mounting Brackets

Trapeze Brackets

8" Wide: WGTBS8BL (not shown)

12" Wide: WGTBS12BL (not shown)

- 4 18" Wide: WGTBS18BL
- 5 24" Wide: WGTBS24BL

Cantilever Brackets

- 6 12" Wide: WGCB12BL

18" Wide: WGCB18BL (not shown)

24" Wide: WGCB24BL (not shown)

Wall Mount Termination Brackets

8" Wide: WGWMTB8BL (not shown)

12" Wide: WGWMTB12BL (not shown)

- 7 18" – 30" Wide: WGWMTB1830BL

Splice Connectors

- 8 For 8", 12", and 18" Widths: WGSPL1218BL
- 9 For 24" and 30" Widths: WGSPL2430BL
- 10 Intersection Splice: WGINTSPLBL

Snap-On Sidewalls

2" Sidewall: WGSW2BL (not shown)

- 11 4" Sidewall: WGSW4BL
- 6" Sidewall: WGSW6BL

Waterfalls

- 12 4" Side Waterfall: WGSWF4BL
- 13 Bottom Waterfall: WGBTMWFBBL

Intersection Bend Radius Control

- 14 2" High Sidewall: WGIBRC2BL
- 15 4" High Sidewall: WGIBRC4BL
- 16 6" High Sidewall: WGIBRC6BL

Accessories

- 17 Hardware Kit: WGHRDWKTBL

Tray Liner

8" Tray Liner: WGTL8PG (not shown)
12" Tray Liner: WGTL12PG (not shown)
18" Tray Liner: WGTL18PG (not shown)
24" Tray Liner: WGTL24PG (not shown)

Divider Wall

2" Divider Wall: WGDW2PG (not shown)
4" Divider Wall: WGDW4PG
6" Divider Wall: WGDW6PG (not shown)

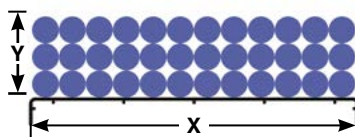
Additional splice connectors are available. Refer to page J.34.

Visit www.panduit.com for additional product information.

For service and technical support, contact EMEA-CustomerServices@panduit.com

Wyr-Grid™ Overhead Cable Tray Routing System

Wire Fill for Wyr-Grid™ Overhead Cable Tray Routing System



X In.	Y In.	Internal Area In²	Category 6A (SD) Diameter 6.1mm 0.240"	Category 6A Diameter 7.6mm 0.300"	Category 6 Diameter 6.1mm 0.240"	X In.	Y In.	Internal Area In²	Category 6A (SD) Diameter 6.1mm 0.240"	Category 6A Diameter 7.6mm 0.300"	Category 6 Diameter 6.1mm 0.240"
12.2	2	24.3	269	172	269	24.2	2	48.3	534	342	534
	4	48.7	538	344	538		4	96.7	1069	684	1069
	6	73.0	807	516	807		6	145.0	1603	1026	1603
18.2	2	36.3	401	257	401	30.2	2	60.3	666	427	666
	4	72.7	804	514	804		4	120.7	1334	854	1334
	6	109.0	1205	771	1205		6	181.0	2000	1280	2000

"Y" equates to the height of the Wyr-Grid™ Sidewalls. The internal area defines the allowable fill capacity based on the Wyr-Grid™ Pathway width and sidewall height. The Wyr-Grid™ Pathway cable fill is based on NEC allowable fill of 50%. The above cable diameters represent the nominal Panduit cable diameter per performance level.

Wyr-Grid™ Pathway Sections

- Pathways are provided in five widths: 8 inch (203mm): 12 inch (305mm), 18 inch (457mm), 24 inch (610mm), and 30 inch (762mm)
- Standard finishes are black powder coat
- Non-integral sidewalls minimize specification requirements



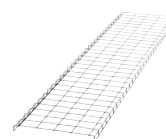
WG8BL10



WG12BL10



WG18BL10



WG24BL10

Part Number	Description
Low Profile "Z" Bracket	
BEST SELLER WG8BL10	8" Wide x 118.35" long pathway section used to carry cables horizontally throughout the system. Available in black only. Uses splice connector WGSP1218BL to connect straight sections and intersection splice WGINTSPLBL to connect pathways at intersection.
BEST SELLER WG12BL10	12" Wide x 118.35" long pathway section used to carry cables horizontally throughout the system. Uses splice connector WGSP1218BL to connect straight sections and intersection splice WGINTSPLBL to connect pathways at intersection.
BEST SELLER WG18BL10	18" Wide x 118.35" long pathway section used to carry cables horizontally throughout the system. Available in black only. Uses splice connector WGSP1218BL to connect straight sections and intersection splice WGINTSPLBL to connect pathways at intersection.
BEST SELLER WG24BL10	24" Wide x 118.35" long pathway section used to carry cables horizontally throughout the system. Uses splice connector WGSP2430BL to connect straight sections and intersection splice WGINTSPLBL to connect pathways at intersection.

A.
Product
Showcase

Wyr-Grid™ Splice Connectors

- Integral bonding screw creates a mechanical electrical bond between cable tray pathway sections
- Standard finish is black powder coat
- Sold in pairs



WGSPL1218BL



WGINTSPLBL



WGESPL2430BL

Part Number	Description
WGSPL1218BL	Straight Splice connector quickly joins two (305mm) or 18" (457mm) wide Pathways together. Packaging contains 2 components needed to join two pathway sections.
WGSPL2430BL	Straight Splice connector quickly joins two 24" (610mm) or 30" (762mm) wide Pathways together. Packaging contains 4 components needed to join two pathway sections.
WGINTSPLBL	Intersection splice connector quickly joins Pathways at all intersections. Package contains 2 components needed to create one tee or right angle intersection.
WGESPL2430BL	Straight splice connector with clips join two 8" (203mm), 12" (30mm) or 18" (457mm) wide Pathways together. Package contains 2 components needed to join two pathway sections.

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Wyr-Grid™ Waterfalls

- Offered in two different configurations that attach to all pathway sections 8 inch (203mm), 18 inch (457mm), 24 inch (610mm) and 30 inch (762mm)
- Standard finish is black powder coat



WGBTMWFBL



WGSWF4BL

Part Number	Description
BEST SELLER WGBTMWFBL	The bottom waterfall provides 1.38" (35mm) bend radius control for cables transitioning down into the racks or cabinets from within the Wyr-Grid™ Pathway. Standard finish is black powder coat.
BEST SELLER WGSWF4BL	The side waterfall provides 3" (76mm) bend radius control for cables transitioning down into the racks or cabinets from the side of the Wyr-Grid™ Pathway. Waterfall only offered in black color.

Wyr-Grid™ Support Brackets

- Offered in various widths to accommodate pathways
8 inch (203mm), 12 inch (305mm), 18 inch (457mm),
24 inch (610mm)
- Standard finish is black powder coat
- Integral quick-clip retention
- Accommodates 0.5 inch or 12mm threaded rod



Part Number	Description
Wyr-Grid™ Trapeze Brackets	
WGTBS8BL	Used to support 8" (203mm) wide Wyr-Grid™ Pathway from the ceiling using a pair of 0.5" or 12mm threaded rod drops. Hardware for attaching to threaded rod sold separately.
WGTBS12BL	Used to support 12" (305mm) wide Wyr-Grid™ Pathway from the ceiling using a pair of 0.5" or 12mm threaded rod drops. Hardware for attaching to threaded rod sold separately.
WGTBS18BL	Used to support 18" (457mm) wide Wyr-Grid™ Pathway from the ceiling using a pair of 0.5" or 12mm threaded rod drops. Hardware for attaching to threaded rod sold separately.
WGTBS24BL	Used to support 24" (610mm) wide Wyr-Grid™ Pathway from the ceiling using a pair of 0.5" or 12mm threaded rod drops. Hardware for attaching to threaded rod sold separately.
Wyr-Grid™ Cantilever Brackets	
WGCB12BL	Used to support the 12" (305mm) wide Wyr-Grid™ Pathway along a wall. Mounting hardware for attaching to wall not included.
WGCB18BL	Used to support the 18" (457mm) wide Wyr-Grid™ Pathway along a wall. Mounting hardware for attaching to wall not included.
WGCB24BL	Used to support the 24" (610mm) wide Wyr-Grid™ Pathway along a wall. Mounting hardware for attaching to wall not included.
Wyr-Grid™ Wall Mount Termination Brackets	
WGWMTB8BL	Used to support the end of the 8" (203mm) Wyr-Grid™ Pathway against the wall. Mounting hardware for attaching to wall not included.
WGWMTB12BL	Used to support the end of the 12" (305mm) Wyr-Grid™ Pathway against the wall. Mounting hardware for attaching to wall not included.
WGWMTB1830BL	Used to support the 24" (610mm) wide Wyr-Grid™ Pathway along a wall. Integral retaining clip secures the pathway to the bracket. Mounting hardware for attaching to wall not included.
WGCB3EZ	Electro Zinc conduit bracket with openings.

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Wyr-Grid™ Support Brackets (continued)

- Offered in various widths to accommodate pathways 12 inch (305mm), 18 inch (457mm), 24 inch (610mm), and 30 inch (762mm)
- Standard finish is black powder coat
- Integral quick-clip retention
- Accommodates 0.5 inch or 12mm threaded rod



WG2PRB12BL



WG2PRB24BL



WGR4PK30BL



WGCMK1070BL

Part Number	Description
-------------	-------------

Wyr-Grid™ 2-Post Channel Trapeze Rack Mount Brackets

WG2PRB12BL	Used to support the 12" (305mm) wide Wyr-Grid™ Pathway directly to standard 3" or 6" EIA channel racks. Brackets can be installed parallel or perpendicular.
WG2PRB18BL	Used to support the 18" (457mm) wide Wyr-Grid™ Pathway directly to standard 3" or 6" EIA channel racks. Brackets can be installed parallel or perpendicular.
WG2PRB24BL	Used to support the 24" (610mm) wide Wyr-Grid™ Pathway directly to standard 3" or 6" EIA channel racks. Brackets can be installed parallel or perpendicular.

Wyr-Grid™ 4-Post Channel Trapeze Rack Mount Bracket

WGR4PK30BL	Direct mounted strut bracket for use on a 4-post rack.
------------	--

Wyr-Grid™ Cabinet Direct Mounting Brackets

WGCMB1200BL	Direct mounted strut bracket for use on a Net-Access™ N-Type or S-Type 1200mm Cabinet (not elevated).
WGCMB1070BL	Direct mounted strut bracket for use on a Net-Access™ N-Type or S-Type 1070mm Cabinet (not elevated).

Wyr-Grid™ Cabinet Mounting Brackets

WGCMK1200BL	Elevated trapeze bracket for use on a Net-Access™ N-Type or S-Type 1200mm Cabinet (elevated).
WGCMK1070BL	Elevated trapeze bracket for use on a Net-Access™ N-Type or S-Type 1070mm Cabinet (elevated).

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Wyr-Grid™ Mounting Brackets for FiberRunner™ System

- Offered in various widths to accommodate pathways 12 inch (305mm), 18 inch (457mm), 24 inch (610mm), and 30 inch (762mm)
- Standard finish is black powder coat
- Integral quick-clip retention
- Accommodates 1/2 inch or 12mm threaded rod



Part Number	Description
Wyr-Grid™ Mounting Brackets for FiberRunner™ System	
WG12FRTBBL	Wyr-Grid™ Pathway 12" (305mm) width FiberRunner™ QuikLock™ Trapeze Bracket. Attaches to the Wyr-Grid™ 12" (305mm) wide Pathway to support a secondary FiberRunner™ 4x4 or 6x4 Channel above the Wyr-Grid™ Pathway. Adjustable 6 0.563" to 9.875" over the top surface of the Wyr-Grid™ Pathway.
WG18FRTBBL	Wyr-Grid™ Pathway 18" (457mm) width FiberRunner™ QuikLock™ Trapeze Bracket. Attaches to the Wyr-Grid™ 18" (457mm) wide Pathway to support a secondary FiberRunner™ 4x4 or 6x4 Channel above the Wyr-Grid™ Pathway. Adjustable 6 0.563" to 9.875" over the top surface of the Wyr-Grid™ Pathway.
WG24FRTBBL	Wyr-Grid™ Pathway 24" (610mm) width FiberRunner™ QuikLock™ Trapeze Bracket. Attaches to the Wyr-Grid™ 24" (610mm) wide Pathway to support a secondary FiberRunner™ 4x4 or 6x4 Channel above the Wyr-Grid™ Pathway. Adjustable 6 0.563" to 9.875" over the top surface of the Wyr-Grid™ Pathway.
Wyr-Grid™ Mounting Bracket for Strut	
WGSKBL	Black powder coated bracket strut mounting clip assembly allows Wyr-Grid™ Pathway to be attached directly to standard 1.625" wide strut structures. Contains support member, two clips and all hardware for assembly.

Wyr-Grid™ Accessories

- Offered in three different heights: 2 inch (50mm), 4 inch (102mm), and 6 inch (152mm)
- Standard finish is black powder coat



Part Number	Description
Wyr-Grid™ Pathway Snap-On Sidewalls	
WGSW2BL	Wyr-Grid™ 2" (50mm) high Snap-On Sidewalls can be attached anywhere along the pathway where needed to retain cables.
WGSW4BL	Wyr-Grid™ 4" (102mm) high Snap-On Sidewalls can be attached anywhere along the pathway where needed to retain cables.
WGSW6BL	Wyr-Grid™ 6" (152mm) high Snap-On Sidewalls can be attached anywhere along the pathway where needed to retain cables.
Wyr-Grid™ Pathway Intersection Bend Radius Controls	
WGIBRC2BL	Wyr-Grid™ Intersection Bend Radius 2", Black.
WGIBRC4BL	Wyr-Grid™ Intersection Bend Radius 4", Black.
WGIBRC6BL	Wyr-Grid™ Intersection Bend Radius 6", Black.

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

A.
Product
Showcase

Wyr-Grid™ Tray Liners



WGT18PG

Part Number	Width In.	Color
WGT18PG	8	Black
WGT12PG	12	
WGT18PG	18	
WGT24PG	24	

B.
Copper
Systems

C.
Fiber
Systems

Divider Wall

- Provides the capability to have lane separations in the pathway
- Comes in pairs to fill the length of the pathway



WGDW2PG

Part Number	Material	Height In.	Length In.	Color
WGDW2PG	Pre-galvanized metal	2	63	Gray
WGDW4PG		4		
WGDW6PG		6		

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

Wyr-Grid™ Hardware



WGHWDKTBL

Part Number	Description	Color
WGHWDKTBL	The hardware kit is used when field fabricating a right angle, allowing large radii to be created by cutting the pathway, bending it, and securing it into a right angle. 12" (305mm) width requires 6 pieces to create a 15.8" radius. 18" (457mm) width requires 9 pieces to create a 24.4" radius. 24" (610mm) width requires 12 pieces to create a 33.4" radius. 30" (762mm) width requires 15 pieces to create a 41.5" radius.	Black

G.
Cabinets,
Thermal
Mgmt., Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

Wyr-Grid™ Tool



WGCT-M

Part Number	Description
WGCT-M	Manual cutting tool for cutting Wyr-Grid™ Cable Trays. Weight: 5.4 lbs. (2.45 kg).

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Table of Contents

Cable Cleat Products for Short Circuit Protection.....	K.2 – K.5
Installation Tools	K.6
Cleat kAlculator™ App	K.7

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Cable Cleat Products for Short Circuit Protection

Panduit Cable Cleat Self-Locking Cable Ties and the MS75 Metal Strapping System represent Panduit's cable cleat offering for robust cable management and short circuit protection up to 156kA. Available in a variety of sizes, these solutions ensure cables remain contained in the event of a short circuit occurrence, minimizing disruption and damage to personnel and property. Panduit's Cable Cleat Products for short circuit protection are designed to perform in a wide range of harsh environments, including industries such as Oil and Gas, Power Generation, Mining, and Shipbuilding.

- Up to 2X faster installation versus competitive cable cleats
- Simple and intuitive design leads to increased productivity
- Up to 50% reduction in material cost
- Compatible with a variety of ladder racks and cables



MS75 Technical Specifications and Testing Results

Design Specification	IEC 61914:2015
Classification	6.1.3 Composite SDSS – Standard Duty Stainless Steel
Temperature for permanent application	-60°C to +60°C IEC 61914:2015 clause 6.2
Needle Flame Test	PASS IEC 61914:2015 clause 10.1
Lateral Load Test	PASS IEC 61914:2015 clause 9.3
Axial Load Test	PASS IEC 61914:2015 clause 9.4
Impact Resistance	PASS – Very Heavy IEC 61914:2015 clause 6.3, 6.3.5, 9.2
Material	316/316L Stainless Steel Cushion sleeve is Low Smoke Halogen Free (LSHF) TPE



MLT Technical Specifications and Testing Results

Design Specification	IEC 61914:2015
Classification	6.1.3 Composite SDSS – Standard Duty Stainless Steel
Temperature for permanent application	-60°C to +60°C IEC 61914:2015 clause 6.2
Needle Flame Test	PASS IEC 61914:2015 clause 10.1
Lateral Load Test	PASS IEC 61914:2015 clause 9.3
Axial Load Test	PASS IEC 61914:2015 clause 9.4
Impact Resistance	PASS – Very Heavy IEC 61914:2015 clause 6.3, 6.3.5, 9.2
Material	316/316L Stainless Steel Cushion sleeve is Low Smoke Halogen Free (LSHF) TPE

Continued on next page

Cable Cleat Products for Short Circuit Protection

To provide optimum performance, the use of cushion sleeve is recommended, and may be required in some applications.

Type 316, Self-Locking Cable Ties — MLT and MS75 Strapping Series



Part Number	Width (mm)	Max Peak Current (kA)	Cable Tie Spacing (mm)	Tested Cable Outer Diameter (mm)
MLT#DEH15-Q316	12.7	45	300	27
MLT#DSH-Q316	15.9	70		39
MS#W75T30-Q6 (single loop)	19.1	85		40
MS#W75T30-Q6 (double loop)		156		43
MS#W75T30-Q6* (double loop)		142		38

represents maximum bundle diameter in inches

• MLT#DEH15-Q316 and MLT#DSH-Q316: 4.0, 6.0 and 8.0

• MS#W75T30-Q6 (single loop): 4.0, 6.0, 8.0, 10.0 and 12.0

• MS#W75T30-Q6 (double loop): 2.0, 3.0, 4.0, 5.0 and 6.0

When double looped, same part numbers are used as for single loop, but maximum bundle diameter is reduced in half.

*MS75 is compliant with IEC 61914:2015 Section 6.4.5 (Resistant to electromechanical forces, withstanding more than one short circuit event).

Metal Uniclip Brackets

- Allows Panduit stainless steel ties and straps to be installed on any style or design of cable tray; slotted or un-slotted
- Eliminate consideration of diagonal installations
- High resistance to lateral and axial movement



UCSQ1-V316 UCIB1-V316



UCRND1-V316 UCTH1-V316

Part Number	Material	Used with Pan-Steel™ Ties	Description
UCSQ1-VC	Galvanized Steel	MLTS/LH/H/EH/ EH15/SH, MLTC/H, MLTFC/S/LH/H/ EH/SH, or MSW75	Metal Rung Bracket – Strut Type
UCRND1-VC			Metal Rung Bracket – Round
UCIB1-VC			Metal Rung Bracket – I-Beam
UCTH1-VC			Metal Rung Bracket – Top Hat
UCSQ1-V316	Stainless Steel Type 316		Metal Rung Bracket – Strut Type
UCRND1-V316			Metal Rung Bracket – Round
UCIB1-V316			Metal Rung Bracket – I-Beam
UCTH1-V316			Metal Rung Bracket – Top Hat

PCS Cushion Sleeve



Part Number	Material	Used with Pan-Steel™ Ties	Description
PCSLSH-B-CR	TPE Low Smoke, Halogen-Free, and Flame-Resistant	MLTEH/SH Ties/Banding/Strapping	Cushion Sleeving, Extra-Heavy or Super-Heavy, 100' (30.5m) Long x 1.05" (26.8 mm) Wide

Cable Cleat Products for Short Circuit Protection

Stainless Steel Trefoil Cleats

CCSSTR series is the newest addition to Panduit's cable cleat offering for robust cable management and short circuit protection. Available in a variety of sizes, these solutions ensure cables remain contained in the event of a short circuit occurrence, minimizing disruption and damage to personnel and property. Panduit's Cable Cleat Products for short circuit protection are designed to perform in a wide range of harsh environments, including industries such as Oil and Gas, Power Generation, Mining, and Shipbuilding.

- Easy Installation (Intuitive design for single tool tightening)
- Removeable Spacer (Range taking up to 7mm)
- Bracket Slot (Providing options for installer)
- 316L Stainless Steel (Suitable for harsh environments)
- IEC 61914:2015 Tested (Independent 3rd Party Lab)



Technical Specifications and Testing Results

Design Specification	IEC 61914:2015
Classification	Composite SDSS - Standard Duty Stainless Steel IEC 61914:2015 Clause 6.1.3
Temperature for permanent application	-40°C to +60°C IEC 61914:2015 clause 6.2
Needle Flame Test	PASS IEC 61914:2015 clause 10.1
Lateral Load Test	PASS IEC 61914:2015 clause 9.3
Axial Load Test	PASS IEC 61914:2015 clause 9.4
Impact Resistance	PASS – Very Heavy IEC 61914:2015 clause 6.3, 6.3.5, 9.2
Material	316/316L Stainless steel Spacer is Low Smoke Halogen Free (LSHF)

Short Circuit Testing Summary¹

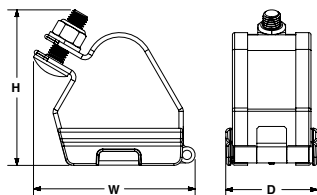
Trefoil Formation 38 mm Cable Diameter	Trefoil Formation 38 mm Cable Diameter	Trefoil Formation 35 mm Cable Diameter	Trefoil Formation 38 mm Cable Diameter
One Short Circuit Event (Clause 6.4.4) 300 mm spacing	Two Short Circuit Events (Clause 6.4.5) 300 mm spacing	One Short Circuit Event (Clause 6.4.4) 600 mm spacing	Two Short Circuit Events (Clause 6.4.5) 600 mm spacing
0.1 sec	0.1 sec	0.1 sec	0.1 sec
172 kA Peak	162 kA Peak	143 kA Peak	125 kA Peak
8926 lbs force (39.77 kN)	7919 lbs force (37.4 kN)	13398 lbs force (59.5 kN)	9429 lbs force (41.9 kN)

¹Test compliance to IEC 61914:2015 utilizing KEMA facility; Independent, ISO 17025 accredited testing, inspection, and certification services (IEEE, IEC, UL, and ANSI) for electric power equipment.

Continued on next page

Cable Cleat Products for Short Circuit Protection

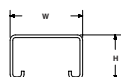
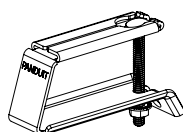
Stainless Steel Trefoil Cleats



Part Number	Cable Range (mm)		Dimensions (mm)				
	Min Dia.	Max Dia.	H	W	D	Mounting Holes	Weight (g)
CCSSTR1822	18	22	83	79	63	1 x M8	392
CCSSTR2025	20	25	87	86	63		417
CCSSTR2328	23	28	91	90	63		439
CCSSTR2632	26	32	95	97	63		480
CCSSTR3036	30	36	100	105	63		518
CCSSTR3440	34	40	108	111	63		547
CCSSTR3844	38	44	108	119	63		581
CCSSTR4248	42	48	112	126	63		613
CCSSTR4652	46	52	117	133	63		647
CCSSTR5057	50	57	123	143	63		686
CCSSTR5461	54	61	130	150	63		720
CCSSTR5865	58	65	138	157	63		754
CCSSTR6269	62	69	145	165	63		782
CCSSTR6673	66	73	153	173	63		822
CCSSTR7077	70	77	161	178	63		856

Note: Alternative fault levels, fixing spacings, and custom alternatives can be offered. Please contact our Sales Team for further information.

Cable Cleat Bracket



Part Number	Description	Height	Length
CBH15L50-V6	Metal Rung Bracket (with closure bolt).	15 mm	50 mm
CBH20L50-V6	Metal Rung Bracket (with closure bolt).	20 mm	
CBH25L50-V6	Metal Rung Bracket (with closure bolt).	25 mm	
CBH30L50-V6	Metal Rung Bracket (with closure bolt).	30 mm	

Note: Alternative sizes available upon request. Please contact our Sales Team for further information.

A.
Product
Showcase

B.
Copper
Systems

C.
Fiber
Systems

D.
Industrial
Networks

E.
Audio
Video
Systems

F.
Keystone
Cabling
Systems

G.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
Mgmt

H.
Power and
Connectivity
Management

I.
Cable
Management
Accessories

J.
Cable
Routing
Systems

K.
Cable
Cleats

L.
Part
Number
Index

Installation Tools

- The manually-operated BT2HTI and BT75SDT tools are used to install Panduit's Buckle Strap Cleats
- The BT2HTI is a ratchet-style installation tool, allowing for high tension with minimal effort
- The BT75SDT tensions the strap using a screw drive mechanism, providing high tension while reducing operator fatigue
- Both tools use a lever to cut the strap so there is an appropriate length remaining to fold over and secure with the buckle tab.
- The BT2HTI is more suitable for higher volume installations, and the BT75SDT for lower volume
- The battery-operated PBTMT and manually-operated, ratchet-style RT2HT tools are used to install Panduit's Locking Strap Cleats.
- Both tools tension the strap through its locking head using a gripping tooth mechanism and then cut the end flush, eliminating any sharp edges.
- The PBTMT is more suitable for higher volume installations, and the RT2HT for lower volume
- A side entry slot allows for easy strap insertion, streamlining installation



BT2HTI



BT75SDT



PBTMT/E



RT2HT

Part Number	Description	Length		Width		Used With	Std Pkg. Qty.
		In.	mm	In.	mm		
BT2HTI	Installation tool for use with MS75 buckles.	6.94	176	7.64	194	Stainless Steel Buckle Strap Cleat	1
BT75SDT	Screw drive tension mechanism provides high tension with minimal effort, reducing operator fatigue; Heavy duty construction offers a longer service life; Strapping side entry allows quick side entry of the strap into tool to speed installation.	15	381	8	203		1
PBTMT/E	Battery powered installation tool, for use with Pan-Steel™ Heavy, Extra-heavy, and Super-Heavy, Cross Section MLT Style Ties, and MLTD Double Wrapped Style Ties, 2 –12 volt lithium-ion batteries and 115 volt, 60 Hz charger included.	10.33	262.4	3.17	80.5	Stainless Steel Locking Strap Cleat	1
RT2HT	Hand Operated Tool for use with Extra-Heavy and Super-Heavy Cross Section Pan-Steel™ Type MLT Ties.	7.1	180	4.05	103		1

Cleat kAlculator™ App

- Helps engineers in specifying the correct cleat and spacing
- Users can input information such as cable layout, cable diameter and peak fault level
- Based upon the results of independent laboratory short circuit testing the Cleat kAlculator™ app will suggest a cleat type and recommend the correct cleat spacing
- If there is more than one option to match the enquiry the app will offer a choice and the user can assess the benefits of each option.
- Results can also be saved on the device and emailed
- Available in the iOS and Android



A. Product Showcase
B. Copper Systems
C. Fiber Systems
D. Industrial Networks
E. Audio Video Systems
F. Keystone Cabling Systems
G. Cabinets, Thermal Mgmt, Racks, Enclosures & Cable Mgmt
H. Power and Connectivity Management
I. Cable Management Accessories
J. Cable Routing Systems
K. Cable Cleats
L. Part Number Index

Notes

Index by Part Number

Part Number	Page Number
-------------	-------------

A

ABMT-A-C*	I.6
ABMT-A-C20*	I.6
ABMT-A-Q20*	I.6
ABMT-S6-C	I.6
ABMT-S6-C20	I.6
ACA01	H.5
ACC01	H.5
ACD01	H.5
ACF05	H.5
ACF06	H.5
ACF10	H.5
ACF11	H.5
ACF20	H.5
AR4P	G.22
AR4P96	G.22
AR4PCN	G.22
AR4PCN96	G.22
AX23NS2S2AQM***	C.24
AX23NSPSPAQM***	C.24
AX83NQPPAQM***	C.24
AX83NQPSAQM***	C.24
AX83Q2Q2AQM***	C.24
AZ83NQ2S2AQM***	C.24

B

BKA6ASD8INBL	B.11
BKA6ASD8INBL	B.11
BR1B	G.23
BT2HTI	K.6
BT75SDT	K.6

C

C195X040Y1M	B.16
C252X030FJC	B.17
C261X035Y1M	B.16
C2FAB08A1200B1	G.10
C2FAB08A1200W1	G.10
C2HAC06I1626**	G.12
C2HAC06I2638**	G.12
C2HAC06I3866**	G.12
C2HAC07I1626**	G.12
C2HAC07I2638**	G.12
C2HAC07I3866**	G.12
C2HAC08I1626**	G.12
C2HAC08I2638**	G.12
C2HAC08I3866**	G.12
C2HACERI1626**	G.13
C2HACERI2638**	G.13
C2HACERI3866**	G.13
C2VED07I3866B1	G.9
CADIN1BL	D.5
CADIN1BL-S	D.5
CBEIW-2GY	F.8
CBEIWY	F.8
CBIW	F.8

Part Number	Page Number
-------------	-------------

CBIW-2G	F.8
CBOT24K	I.5
CC688*	B.8
CC688BL	B.8
CC6X88*	B.8
CC6X88BL	B.8
CCL3	G.10
CCL3	G.10
CCS6X88BL	B.8
CDE2	G.16
CDPP8RG	D.5
CDPP8RG-S	D.5
CFAPPBL1	C.16
CFAPPBL2	C.16
CHB2MIW-X	F.8
CID1RU22-23DB1	G.16
CJ688TG*	B.7
CJ688TG*-24	B.7
CJ688TG*-24	B.7
CJ688TG*-C	B.7
CJ6X88TG*	B.7
CJ6X88TG*-24	B.7
CJ6X88TG*-24	B.7
CJ6X88TG*-C	B.7
CJAST	B.11
CJASTB	B.11
CJH688TG*	B.7
CJH6X88TG*	B.7
CJLR688TG*	B.7
CJLR6X88TG*	B.7
CJLRCAPBU-C	B.9
CJLRCAPBU-X	B.9
CJLRCAPIW-C	B.9
CJLRCAPIW-X	B.9
CJS688TG*Y	B.7
CJS688TGY	B.7
CJS688TGY-24	B.7
CJS6X88TG*Y	B.7
CJS6X88TGY	B.7
CJS6X88TGY-24	B.7
CJSGK-XY	B.11
CJSLRCAPBU-X	B.10
CJSLRCAPIW-X	B.10
CJSUDCAPBU-X	B.10
CJSUDCAPIW-X	B.10
CJUD688TG*	B.7
CJUD6X88TG*	B.7
CJUDCAPBU-C	B.9
CJUDCAPBU-X	B.9
CJUDCAPIW-C	B.9
CJUDCAPIW-X	B.9
CMBBL-X	B.25
CMBIW-X	B.25
CMBWH-X	B.25
CMDAGSCZBL	C.8
CMDAQSCZBL	C.8
CMDBUSCZBL	C.8

Part Number	Page Number
-------------	-------------

CMDSAGLCZBL	C.8
CMDSAQLCZBL	C.8
CMDSLCZBL	C.8
CMDSLCZBU	C.8
CMDSLCZEI	C.8
CMPHF1	G.20
CMPHF2	G.20
CMSAGSCZBL	C.8
CMSAQSCZBL	C.8
CMSBUSCZBL	C.8
CP24688BL	B.14
CP246X88BL	B.14
CP24BLY	B.13
CP24WH	B.13
CP48BLY	B.13
CP48HDBL	B.13
CP48HDBL	B.13
CP48HDWH	B.13
CP48WH	B.13
CPA24BLY	B.13
CPA24WH	B.13
CPA48BLY	B.13
CPA48HDBL	B.13
CPA48HDBL	B.13
CPA48HDWH	B.13
CPA48WH	B.13
CPAF1BLY	B.15
CPAF1BLY	F.4
CPAF1WH	B.15
CPAF2BLY	B.15
CPAF2BLY	F.4
CPAF2WH	B.15
CPATCBL	B.15
CPATCBL	F.4
CPATCWH	B.15
CPB12BL	G.24
CPB24BL	G.24
CPB48BL	G.24
CPB6BL	G.24
CPP24FM6BL	B.12
CPP24FMWBLY	B.12
CPP24FMWWH	B.12
CPP24WBLY	B.12
CPP24WBLY	B.12
CPP48FM6BL	B.12
CPP48FMWBLY	B.12
CPP48FMWWH	B.12
CPP48HDEWBL	B.13
CPP48HDVNSWBL	B.13
CPP48HDWBLY	B.13
CPP48HDWWH	B.13
CPP48WBLY	B.12
CPP48WBLY	B.12
CPP72FMWBLY	B.12
CPPA24FM6BL	B.12
CPPA24FMWBLY	B.12
CPPA24FMWWH	B.12
CPPA48FM6BL	B.12

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

Index by Part Number

A. Product Showcase	Index by Part Number		Index by Part Number		Index by Part Number	
	Part Number	Page Number	Part Number	Page Number	Part Number	Page Number
B. Copper Systems	CPPA48FMWBLY	B.12	CUSR1SDLHB1	G.15	DPA246X88TGY	B.14
	CPPA48FMWWH	B.12	CUSR1SDRH**	G.15	DPA48688TGWH	B.14
	CPPA48HDEWBL	B.13	CUSREFRT8 ^{^^}	G.14	DPA48688TGY	B.14
	CPPA48HDVNSWBL	B.13	CUSREFRT8W1	G.14	DPA486X88TGWH	B.14
	CPPA48HDWBLY	B.13	CUSREFRT9 ^{^^}	G.14	DPA486X88TGY	B.14
C. Fiber Systems	CPPA48HDWWH	B.13	CUSREORCP**	G.15	DPFP1	G.23
	CPPA72FMWBLY	B.12	CUSRRF0S06B1	G.14	DPFP2	G.23
	CPPL24M6BLY	B.12	CUSRRFS06**	G.14	E	
	CPPL24WBLY	B.12	CUSRRFS07**	G.14	E6212B1	G.8
	CPPL48M6BLY	B.12	CUSRRFS08**	G.14	E6212B1FP	G.8
D. Industrial Networks	CPPL48WBLY	B.12	CUSRVWA06**	G.15	E6412B2	G.8
	CPPLA24WBLY	B.12	CUSRVWA06B1	G.15	E6412B2FP	G.8
	CPPLA48WBLY	B.12	CUSRVWA07**	G.15	EA001	H.5
	CSPT	B.11	CUSRVWA08**	G.15	EB001	H.5
	CTCN1X5	G.17	CUSRVWB**	G.15	EC001	H.5
E. Audio Video Systems	CTCN3X5	G.17	CUSRVWBB1	G.15	ED001	H.5
	CTCN6X6	G.17	CUSRVWER2638**	G.15	EE001	H.5
	CTGN1X5	G.17	CUSRVWER3866**	G.15	EF001	H.5
	CTGN3X5	G.17	CUSRVWERI1626**	G.15	EG001	H.5
	CTGN6X6	G.17	CUSRVWERI1626B1	G.15	EGJT-1	B.11
F. Keystone Cabling Systems	CTNBZL6X6	G.17	CUSRWSK06**	G.13	EGPT	B.11
	CUCGF03DP**	G.14	CUSRWSK07**	G.13	EMPLUS-CD	B.15
	CUCGF03DPB1	G.14	CUSRWSK08**	G.13	EMPLUS-DL	B.15
	CUCGF04DP**	G.12	CUSRWSK24**	G.13	EMPLUS-2GO	B.15
	CUCGF06DP**	G.12	CUTBPR0610HBN1	G.12	EMPLUS-SERVER	B.15
G. Cabinets, Thermal Mgmt, Racks, Enclosures & Cable Mgmt	CUCGF06DPB1	G.12	CUVWA06S06ST**	G.13	ERT2M-C20	I.6
	CUCMSS03ST01NC	G.11	CUVWA07S07ST**	G.13	F	
	CUCMSS03ST01NC	G.11	CUVWA08S08ST**	G.13	F250BT-C	C.4
	CUCMSS06ST01NC	G.11	CUVWB12S12ST**	G.13	F2PCLB12	J.31
	CUD1SD**	G.13	CUWBPS06ST02**	G.11	F2PCLB58	J.31
H. Power and Connectivity Management	CUD2SD**	G.13	CUWBPS07ST02**	G.11	F91BN1NNNSNM001	C.27
	CUEFRCKIT**	G.14	CUWBPS08ST02**	G.11	F91BN1NNNSNM002	C.27
	CUEFRCKITB1	G.14	CUWBPS08ST02B1	G.11	F91BN1NNNSNM003	C.27
	CUEFRT8W04**	G.11	CUWBPS24ST02**	G.11	F91BN3NNNSNM001	C.25
	CUEFRT8W06**	G.11	CVPDUB	G.23	F91BN3NNNSNM001	C.25
I. Cable Management Accessories	CUEFRT9W04**	G.11	CWMPV3340	G.19	F91BN3NNNSNM001	C.27
	CUEFRT9W06**	G.11	CWMPV3440	G.19	F91BN3NNNSNM001	C.27
	CUEOR12CP**	G.15	CWST	B.11	F91BNANNNNSNM001	C.27
	CUEOR12CPB1	G.15	D		F91BNB1NNSNM001	C.27
	CUEOR18CP**	G.15	DERLCC6509A	G.16	F923LANANSNM001	C.26
J. Cable Routing Systems	CUEORF03DP**	G.14	DERLCC7009A	G.16	F923LANSNSNM001	C.26
	CUEORF03DPB1	G.14	DIFBA2002S00S	G.16	F923LSNSNSNM001	C.26
	CUEORF04DP**	G.12	DIRBB2007S21W	G.16	F92ELANB1SNM001	C.26
	CUEORF04DPB1	G.12	DIRLC2214M21W	G.16	F92ELB1B1SNM001	C.26
	CUEORF06DP**	G.12	DIRLC3210S17W	G.16	F92ELB1LNSNM001	C.26
K. Cable Cleats	CUFBPR4206HB**	G.12	DP24688TGWH	B.14	F92ELB1SNSNM001	C.26
	CUFBPR4506HB**	G.12	DP24688TGY	B.14	F92ELLNLNSNM001	C.26
	CUFBPR4806HB**	G.12	DP246X88TGWH	B.14	F92ELLNSNSNM001	C.26
	CUFBPR5206HB**	G.12	DP246X88TGY	B.14	F92RLU1U1ONM001	C.27
	CURFS06F04HB**	G.11	DP48688TGWH	B.14	F92RLU2U2ONM001	C.27
L. Part Number Index	CURFS06F06HB**	G.11	DP48688TGY	B.14	F92RLZNZNONM001	C.27
	CURFS07F04HB**	G.11	DP486X88TGWH	B.14	F96BN1NNNSZM001	C.27
	CURFS07F06HB**	G.11	DP486X88TGY	B.14	F98RLGNGNANM003	C.23
	CURFS08F04HB**	G.11	DPA24688TGWH	B.14	F98RLGNGNANM003	C.23
	CURFS08F06HB**	G.11	DPA24688TGY	B.14	F9TBN1NNNSZM001	C.27
	CUSMPR52ST01**	G.11	DPA246X88TGWH	B.14	F9TRL5N5NANM003	C.23
	CUSR1SDLH**	G.15				

A. Product Showcase

Part Number	Page Number
FFWC2X2LYL	J.28
FH4ZU-24-NMNMA	C.12
FH4ZU-24-NMNMB	C.12
FH4ZU-48-NMNMA	C.12
FHC39N-08-10A	C.11
FHC39N-08H-10A	C.11
FHC39N-24H-10A	C.11
FHC3XO-08-10B	C.11
FHC3XO-08H-10B	C.11
FHC3XO-24H-10B	C.11
FHC3ZA-08-10B	C.11
FHC3ZA-08H-10B	C.11
FHC3ZA-24H-10B	C.11
FHC9N-12-10AF	C.10
FHC9N-12-10AS	C.10
FHC9N-12-10U	C.10
FHC9N-16-C2U	C.11
FHC9N-16F-C2U	C.11
FHC9N-24-10AF	C.10
FHC9N-24-10AS	C.10
FHC9N-24-10U	C.10
FHC9N-36-C3U	C.11
FHCSA-12-10U	C.10
FHCSA-24-10U	C.10
FHCWA-12-10BN	C.10
FHCWA-24-10BN	C.10
FHCXO-12-10AF	C.10
FHCXO-12-10AS	C.10
FHCXO-12-10U	C.10
FHCXO-24-10U	C.10
FHCZA-12-10AF	C.10
FHCZA-12-10AS	C.10
FHCZA-12-10U	C.10
FHCZO-12-10AF	C.10
FHCZO-12-10AS	C.10
FHCZO-12-10U	C.10
FHCZO-16-C2U	C.11
FHCZO-16F-C2U	C.11
FHCZO-24-10BN	C.10
FHCZO-24-10U	C.10
FHCZO-36-C3U	C.11
FHDEC2X2LYL	J.29
FHMP-6-ABL	C.12
FHMP-6-ARD	C.12
FHMP-6-BCG	C.12
FHS9N-12-10N	C.12
FHS9N-12-10P	C.12
FHS9N-12-10R	C.12
FHSBBL06W	C.12
FHSBBL12W	C.12
FHSXN-12-10N	C.12
FHSZO-12-10P	C.12
FHSZO-12-10R	C.12
FIDT2X2LYL	J.30
FITF12X4	J.12
FIV452X2LYL	J.29
FIVRA2X2LYL	J.29

Index by Part Number

A. Product Showcase	Index by Part Number		Index by Part Number		Index by Part Number	
	Part Number	Page Number	Part Number	Page Number	Part Number	Page Number
B. Copper Systems	FLBSIM-51	G.17	FOCTT2-BKIT2	C.4	FR12ACB12	J.13
	FLCCLIW-X	C.4	FOCTT2-KIT	C.4	FR12ACB12M	J.13
	FLCDMCXAQY	C.2	FOCTT2-PKIT2	C.4	FR12ACB58	J.13
	FLCDSCBUY	C.2	FOCTT2CORD	C.4	FR12ALB	J.13
	FLCS2/9SOCA9AG	C.3	FOJDZ12	D.2	FR12CS12	J.13
C. Fiber Systems	FLCS2/9SOCPXAQ	C.3	FOLPC-1.25MM	C.4	FR12CS12M	J.13
	FLCS2/9SOCU9BU	C.3	FOLPC-1.25SM	C.4	FR12CS58	J.13
	FLCSMC5BLY	C.2	FOLPC-2.5MM	C.4	FR12TB12	J.13
	FLCSMC6EY	C.2	FOLPC-2.5SM	C.4	FR12TB12M	J.13
	FLCSMCXAQY	C.2	FOSMF	C.20	FR12TB2412	J.6
D. Industrial Networks	FLCSCBUY	C.2	FOSMH1U	C.20	FR12TB58	J.13
	FLEX-0RUBR06**	C.9	FOSMH2U	C.20	FR12TRBE58	J.13
	FLEX-CLIP12	C.13	FOSMH4U	C.20	FR12TRBE58M	J.13
	FLEX-CM-1UB	C.13	FOSTFH	C.4	FR12TRBN58	J.13
	FLEX-CM-1UBKIT	C.13	FOV452X2LYL	J.29	FR12X4YL10	J.10
E. Audio Video Systems	FLEX-CM12S	C.13	FOVRA2X2LYL	J.29	FR24CSB12	J.6
	FLEX-FCM1UA**	C.12	FP6X88MTG	B.8	FR24TBE12	J.6
	FLEX-FCM2UA**	C.12	FP6X88MTG-X	B.8	FR24TBN12	J.6
	FLEX-FCM4UA**	C.12	FP6X88TC	B.9	FR24TBN12M	J.6
	FLEX-OPT1-1RU	C.20	FPQN%^^B	C.6	FR24X4YL10	J.4
F. Keystone Cabling Systems	FLEX-PLATE1U**	C.12	FPSN9^^	C.6	FR4PRB58	J.31
	FLEX-PLATE1UPR*	C.13	FPTN9^^	C.6	FR4X4YL10	J.22
	FLEX-PLATE1UR*	C.13	FPUN9^^	C.6	FR6ACB12	J.25
	FLEX-PLATE2U**	C.12	FPS6X88MTG	B.8	FR6ACB12M	J.25
	FLEX-PLATE2UPR*	C.13	FPS6X88MTG-X	B.8	FR6ACB58	J.25
G. Cabinets, Thermal Mgmt, Racks, Enclosures & Cable Mgmt	FLEX-PLATE2UR*	C.13	FPUD6X88MTG	B.8	FR6ALB	J.25
	FLEX-PLATE4U**	C.12	FPUD6X88MTG-X	B.8	FR6CS12	J.25
	FLEX-PLATE4UPR*	C.13	FQ39N-08-10A	C.21	FR6CS12M	J.25
	FLEX-PLATE4UR*	C.13	FQ3ZO-08-10B	C.21	FR6CS58	J.25
	FLEX-ZRFECEG	C.9	FQ9N-12-10AF	C.21	FR6LB	J.25
H. Power and Connectivity Management	FLEX-ZRFEG	C.9	FQ9N-12-10AS	C.21	FR6TB12M	J.25
	FLEX1U04	C.9	FQ9N-12-10U	C.21	FR6TB38	J.25
	FLEX1U06**	C.9	FQCRCM	C.22	FR6TRBE12	J.25
	FLEX1U12	C.9	FQMAP45BL	C.22	FR6TRBE58	J.25
	FLEX1UPN04	C.9	FQMAP45RD	C.22	FR6TRBN12	J.25
I. Cable Management Accessories	FLEX1UPN06**	C.9	FQMAP46CG	C.22	FR6TRBN58	J.25
	FLEX1UPN12	C.9	FQMAP65BL	C.22	FR6X4YL10	J.16
	FLEX2U04	C.9	FQMAP65RD	C.22	FRA2X2LYL	J.29
	FLEX2U06**	C.9	FQMAP66CG	C.22	FRBC12X4LYL	J.10
	FLEX2U12	C.9	FQMAP85BL	C.22	FRBC24X4LYL	J.4
J. Cable Routing Systems	FLEX2UPN04	C.9	FQMAP85RD	C.22	FRBC4X4LYL	J.22
	FLEX2UPN06**	C.9	FQMAP86CG	C.22	FRBC4X4LYL-E	J.22
	FLEX2UPN12	C.9	FQQN%^^B	C.6	FRBC6X4LYL	J.16
	FLEX4U04	C.9	FQSN%^^	C.6	FRCR12LBL-X	J.13
	FLEX4U06**	C.9	FQTN%^^	C.6	FRCR4LBL-X	J.24
K. Cable Cleats	FLEX4U12	C.9	FQUN%^^	C.6	FRCR6LBL-X	J.19
	FLEX4UPN04	C.9	FQSA-12-10U	C.21	FRCV24YL10	J.4
	FLEX4UPN06**	C.9	FQWA-12-10B1	C.21	FRDDS6X4LYL	J.19
	FLEX4UPN12	C.9	FQWA-12-10B2	C.21	FRDDSHC6LYL	J.19
	FLRB	J.31	FQXO-12-10U	C.21	FREC12X4LYL	J.11
L. Part Number Index	FMD1	C.15	FQZN-12-10AF	C.21	FREC24X4LYL	J.5
	FMD2	C.15	FQZN-12-10AS	C.21	FREC4X4LYL	J.23
	FMS1	C.15	FQZO-12-10AF	C.21	FREC6X4LYL	J.17
	FMT1**	C.15	FQZO-12-10AS	C.21	FRFWC12X4LYL	J.10
	FMT2	C.15	FQZO-12-10U	C.21	FRFWC12X4W6LYL	J.11
	FO12CB	C.4	FR1.5IDELYL	J.30	FRFWC24X4LYL	J.4
	FO6CB	C.4	FR12ACAB	J.13	FRFWC24X4W12LYL	J.4

Index by Part Number

Part Number	Page Number
-------------	-------------

FRFWC4X4LYL.....	J.22
FRFWC6X4LYL.....	J.16
FRFWCSC12LYL.....	J.10
FRFWCSC4LYL.....	J.22
FRFWCSC6LYL.....	J.17
FRH4512X4LYL.....	J.10
FRH4512X4LYL.....	J.11
FRH4524X4LYL.....	J.4
FRH454X4LYL.....	J.23
FRH456X4LYL.....	J.17
FRH45CV24LYL.....	J.5
FRH45SC12LYL.....	J.11
FRH45SC4LYL.....	J.23
FRH45SC6LYL.....	J.17
FRHC12YL10.....	J.10
FRHC4YL10.....	J.22
FRHC6YL10.....	J.16
FRHD4KTYL.....	J.30
FRIDT4X4LYL.....	J.24
FRIDT6X4LYL.....	J.18
FRIV4512X4LYL.....	J.12
FRIV4524X4LYL.....	J.5
FRIV454X4LYL.....	J.23
FRIV456X4LYL.....	J.18
FRIVRA4X4LYL.....	J.23
FRIVRA6X4LYL.....	J.18
FRLPR42LYL.....	J.30
FRME1U.....	C.14
FRME2U.....	C.14
FRME3.....	C.14
FRME4.....	C.14
FRMHSS-4RU.....	C.13
FROV4512X4LYL.....	J.11
FROV4524X4LYL.....	J.5
FROV454X4LYL.....	J.23
FROV456X4LYL.....	J.17
FROV45CV24LYL.....	J.5
FROV45SC12LYL.....	J.12
FROV45SC4LYL.....	J.23
FROV45SC6LYL.....	J.17
FROVRA12X4LYL.....	J.12
FROVRA4X4LYL.....	J.23
FROVRA6X4LYL.....	J.17
FROVRASC12LYL.....	J.12
FROVRASC4LYL.....	J.23
FROVRASC6LYL.....	J.17
FRQMC24-X.....	J.30
FRR412X4LYL.....	J.11
FRR44X4LYL.....	J.23
FRR46X4LYL.....	J.17
FRRASC12LYL.....	J.11
FRRASC4LYL.....	J.23
FRRASC6LYL.....	J.17
FRRF126LSCLYL.....	J.13
FRRF126LSYL.....	J.13
FRRF126RLYL.....	J.13
FRRF126RSCLYL.....	J.13

Part Number	Page Number
-------------	-------------

FRRF126SCLYL.....	J.13
FRRF2412LYL.....	J.5
FRRF4FD2LYL.....	J.23
FRRF6FR4LYL.....	J.18
FRRF6FR4SCLYL.....	J.18
FRSHC4YL10.....	J.22
FRSHC6YL10.....	J.16
FRSPJ2X2LYL.....	J.30
FRSPJ4X4LYL.....	J.24
FRSPJC24LYL.....	J.24
FRSPJC26LYL.....	J.19
FRSPJC412LYL.....	J.12
FRSPJC44LYL.....	J.24
FRSPJC46LYL.....	J.19
FRT12X4LYL.....	J.11
FRT12X4W4LYL.....	J.11
FRT12X4W6LYL.....	J.11
FRT24X4W12LYL.....	J.4
FRT4X4LYL.....	J.22
FRT6X4LYL.....	J.17
FRTBWG12BL.....	J.31
FRTBWG18BL.....	J.31
FRTBWG24BL.....	J.31
FRTC24W12LYL.....	J.4
FRT12X4LYL.....	J.12
FRT24X4LYL.....	J.5
FRT4X4LYL.....	J.24
FRT6X4LYL.....	J.18
FRTSC12LYL.....	J.11
FRTSC12W6LYL.....	J.11
FRTSC4LYL.....	J.23
FRTSC6LYL.....	J.17
FRVT12X4LYL.....	J.12
FRVT4X4LYL.....	J.24
FRVT6X4YL.....	J.18
FRY126LYL.....	J.12
FRY126SCLYL.....	J.12
FSC24.....	C.20
FSC2MC6EI.....	C.3
FSC2MCXAQ.....	C.3
FSC2SCBU.....	C.3
FSCS2/9SOCA9AG.....	C.3
FSCS2/9SOPXAQ.....	C.3
FSCS2/9SOCU9BU.....	C.3
FSJD912.....	D.2
FSPCVR.....	C.4
FST144R.....	C.13
FST24.....	C.20
FST2MC6EI.....	C.3
FST2SCBU.....	C.3
FST48.....	C.13
FST6.....	C.20
FSTHE.....	C.20
FSTHS.....	C.20
FSTK.....	C.20
FT2X2LYL.....	J.28
FTE24A1A1.....	D.5

Part Number	Page Number
-------------	-------------

FTR2X2LYL.....	J.29
FTR4X4LYL.....	J.24
FTRBE12.....	J.31
FTRBN12.....	J.31
FVTHD2X2LYL.....	J.29
FWME2.....	C.15
FWME4.....	C.15
FWME8.....	C.15
FWMHSS-CG1321.....	C.13
FWMHSS-CG2135.....	C.13
FWMHSS-CG3448.....	C.13
FWMHSS-CG613.....	C.13
FWMHSS-ICAK.....	C.13
FWMHSSG-12X32.....	C.13
FWMHSSG-GROUND.....	C.13
FWMHSSG-ICB.....	C.13
FWMHSSG-ICP.....	C.13
FWMHSSG-STOR.....	C.13
FWMHSSGS-3456.....	C.13
FWMHSSGS-6912.....	C.13
FWTRL7N7NKNM003.....	C.23
FX1BN1NNNSNM001.....	C.27
FX1BN3NNNSNM001.....	C.27
FX23LSNSNSNM001.....	C.26
FX2ELLNLNSNM001.....	C.26
FX2ELLNSNSNM001.....	C.26
FXTBN1NNNSZM001.....	C.27
FXTRL7N7NBNM003.....	C.23
FXTRL7N7NBNM003.....	C.23
FXURLENENXNM003.....	C.23
FXURLENENXNM003.....	C.23
FY9TL77A001M003.....	C.25
FY9UL77A001M003.....	C.25
FY9WL77A001M003.....	C.25
FYXTL77Y001M003.....	C.25
FYXUL77Y001M003.....	C.25
FYXWL77Y001M003.....	C.25
FYZTL77Y001M003.....	C.25
FYZTL77Y001M003.....	C.25
FYZUL77Y001M003.....	C.25
FYZWL77Y001M003.....	C.25
FZ1BN1NNNSNM001.....	C.27
FZ1BN3NNNSNM001.....	C.25
FZ1BN3NNNSNM001.....	C.27
FZ23LSNSNSNM001.....	C.26
FZ2ELLNLNSNM001.....	C.26
FZ2ELLNSNSNM001.....	C.26
FZ2RLU1U1ONM001.....	C.27
FZ2RLZNZNONM001.....	C.27
FZBA1.5X4.....	J.30
FZTBN1NNNSZM001.....	C.27
FZTRL7N7NBNM003.....	C.23
FZURLENENXNM003.....	C.23

H

H2X2YL10.....	J.28
HC2YL10.....	J.28

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

Index by Part Number

A. Product Showcase	Index by Part Number										
	Part Number		Page Number	Part Number		Page Number	Part Number		Page Number		
B. Copper Systems	HLB2S-C0		I.2	ICAM12X90RJS		D.3	K		KFPL80S2SWH.....		F.7
	HLM-15R0		I.3	ICAM12XRJS		D.3			KFPL80S2SWH.....		F.7
	HLM-15R10		I.3	ICD11T1NTL1M		D.4			KFPL86S2SWH.....		F.7
	HLM-15R15		I.3	ICD11T2NTL1M		D.4			KFPL86S2SWH.....		F.7
	HLM-15R16		I.3	ICD12T1NTL1M		D.4			KJS6X88TC.....		F.2
C. Fiber Systems	HLM-15R6		I.3	ICD13T1NTL1M		D.4			KJS6X88TC.....		F.2
	HLM-15R7		I.3	ICD14T1NTL1M		D.4			KP24WSBL.....		F.3
	HLS-15R0.....		I.3	ICD22T1NTL1M		D.4			KP24WSBL.....		F.3
	HLS-15R15.....		I.3	ICD26T1NTL1M		D.4			KPA24WSBL.....		F.3
	HLS-15R7.....		I.3	ICD44T1NTL1M		D.4			KPA48WSBL.....		F.3
D. Industrial Networks	HLS-75R0.....		I.3	ICX11T1NTL1M.....		D.5			KPA48WSBL.....		F.3
	HLS-75R15.....		I.3	ICX14T1NTL1M.....		D.5			KPA48WSBL.....		F.3
	HLS-75R16.....		I.3	ICX44T1NTL1M.....		D.5			KPS24BL.....		F.3
	HLS-75R6.....		I.3	IFC6C04BBL-CEG		D.2			L		
	HLS-75R7.....		I.3	ISFX5502ATL-LED.....		D.2			LPCA01X.....		H.6
E. Audio Video Systems	HLS15R10		I.3	ISPS5E44MFA		D.3			LPCA02X.....		H.6
	HLS15R16		I.3	ISPS6A88MFA		D.3			LPCA03X.....		H.6
	HLSP1.5S-X0		I.4	ISTP6X2MBL.....		D.3			LPCA04X.....		H.6
	HLSP3S-X0		I.4	ISTPH6X0.3MTL		D.3			LPCA06X.....		H.6
	HLSP3S-X12		I.4	ISTPH6X1MTL		D.3			LPCA07X.....		H.6
F. Keystone Cabling Systems	HLSP5S-X0		I.4	ISTPH6X2MTL		D.3			LPCA08X.....		H.6
	HLSP5S-X12		I.4	ISTPHCH0.6MTL.....		D.3			LPCA09X.....		H.6
	HLT2I-M0.....		I.2	ISTPHCH10MTL.....		D.3			LPCA11X.....		H.6
	HLT2I-X0.....		I.2	ISTPHCH1MTL.....		D.3			LPCA12X.....		H.6
	HLT2I-X10		I.2	ISTPHCH2MTL.....		D.3			LPCA13X.....		H.6
G. Cabinets, Thermal Mgmt, Racks, Enclosures & Cable Mgmt	HLT2I-X15		I.2	ISTPHCH3MTL.....		D.3			LPCA14X.....		H.6
	HLT2I-X16		I.2	ISTPHCH5MTL.....		D.3			LPCB01X.....		H.6
	HLT2I-X6		I.2	ISTPSP5MBL.....		D.3			LPCB02X.....		H.6
	HLT2I-X7		I.2	ISX6004ARD-LED		D.2			LPCB03X.....		H.6
	HLT3I-M0.....		I.2	ISX6004AYL-LED.....		D.2			LPCB04X.....		H.6
H. Power and Connectivity Management	HLT3I-X0.....		I.2	J				LPCB06X.....		H.6	
	HLT3I-X10		I.2	JP131CMB-L20		I.7			LPCB07X.....		H.6
	HLT3I-X15		I.2	JP131DW-L20		I.7			LPCB08X.....		H.6
	HLT3I-X16		I.2	JP131HBC25RBL20.....		I.8			LPCB09X.....		H.6
	HLT3I-X6		I.2	JP131HBC50RBL20.....		I.8			LPCB11X.....		H.6
I. Cable Management Accessories	HLT3I-X7		I.2	JP131SBC50-L20.....		I.8			LPCB12X.....		H.6
	HLTP2I-X12.....		I.4	JP131W-L20.....		I.7			LPCB13X.....		H.6
	HLTP3I-X0.....		I.4	JP2CMB-L20		I.7			LPCB14X.....		H.6
	HS2X2YL10NM		J.28	JP2DW-L20		I.7			LS8EQ-KIT-ACE.....		B.17
				JP2HBC25RB-L20.....		I.8			M		
J. Cable Routing Systems	IAEBH5E		D.3	JP2HBC50RB-L20.....		I.8			MDC-C.....		B.11
	IAEBH5ES		D.3	JP2SBC50RB-L20.....		I.8			MDC79D.....		D.6
	IAEBH6		D.3	JP2W-L20.....		I.7			MDC82NL.....		D.6
	IAEBH6S		D.3	JP4CMB-X20.....		I.7			MDC82NN.....		D.6
	IAEBH6X		D.3	JP4DW-X20.....		I.7			MP100/E.....		B.15
K. Cable Cleats	IAEBH6XS		D.3	JP4HBC25RB-X20		I.8			MP300/E.....		B.15
	IAEBHC5E.....		D.4	JP4HBC50RB-X20		I.8			MPI588T.....		D.3
	IAEBHC5ES		D.4	JP4SBC50-X20		I.8			MPSI588T.....		D.3
	IAEBHC6		D.4	JP4W-X20		I.7			MPT5-8AS.....		B.11
	IAEBHC6XS		D.4	JP75CMB-L20		I.7			N		
L. Part Number Index	IAEBHUSBAA.....		D.4	JP75DW-L20		I.7			N2EOR1BA1070B1.....		G.10
	ICA3E13P2BL1M		D.4	JP75HBC25RB-L20.....		I.8			N2EOR1BA1070W1.....		G.10
	ICA4E13P2BL1M		D.4	JP75HBC50RB-L20.....		I.8			N2EOR1CA1200B1.....		G.10
	ICA4T13P2BL1M.....		D.4	JP75SBC50RB-L20.....		I.8					
	ICA5T13P2BL1M.....		D.4	JP75W-L20.....		I.7					
	ICAM12DRJS		D.3								

Index by Part Number

Part Number	Page Number
-------------	-------------

N2EOR1CA1200W1	G.10
N51SPS	G.9
N8212BE	G.5
N8222B	G.5
N8222WC	G.5
N8229W	G.5
N8512B	G.5
N8512BC	G.5
N8522B	G.5
N8522BC	G.5
N8822WC	G.5
NCSTR4	G.10
NCSTR4	G.10
NFFY6X04BU-HED	F.2
NK1FIWY	F.7
NK1FNIW	F.7
NK2BXIW-A	F.9
NK2FIWY	F.7
NK2FNIW	F.7
NK3FNIW	F.7
NK4BXIW-AY	F.9
NK4FIWY	F.7
NK4FNIW	F.7
NK4MFABL	F.9
NK4MFB	F.9
NK4VSFIWY	F.7
NK5EPC3BUY	F.2
NK688MBU	F.2
NK688MBU-Q	F.2
NK6APC3BU	F.2
NK6BXIW-AY	F.9
NK6FIWY	F.7
NK6FNIW	F.7
NK6PC3BUY	F.2
NK6PPG12WY	F.4
NK6PPG24Y	F.4
NK6PPG48Y	F.4
NK6X88MBU	F.2
NK6X88MBU-Q	F.2
NK6XPPG24Y	F.4
NK6XPPG48Y	F.4
NKA6PPG24Y	F.4
NKA6PPG48Y	F.4
NKA6XPPG24Y	F.4
NKDLCMZIW	F.5
NKDLCMZIW	F.5
NKDSCMZIW	F.5
NKDSCMZIW	F.5
NKF2S	F.8
NKF4S	F.8
NKF6S	F.8
NKFD1W12BUDLCZ	F.5
NKFD1W12BUDSCZ	F.5
NKFD1W12BUDSCZ	F.5
NKFD1W24BUDLCZ	F.5
NKFD1W6BUDSCZ	F.5
NKFP24Y	F.3

Part Number	Page Number
-------------	-------------

NKFP48Y	F.3
NKFPA24	F.3
NKFPA48	F.3
NKFPL24	F.3
NKFPL48	F.3
NKFPP48FMWH	F.3
NKHF2MIW-X	F.8
NKHS2IW-X	F.8
NKHS2SIW-X	F.8
NKP5E88MBU	F.2
NKP5E88MBU-Q	F.2
NKPP24FMWH	F.3
NKPP24FMY	F.3
NKPP48HDWH	F.3
NKPP48HDY	F.3
NKPPA24FMWH	F.3
NKPPA24FMY	F.3
NKPPA48FMWH	F.3
NKPPA48FMY	F.3
NKPPA48HDWH	F.3
NKPPA48HDY	F.3
NKSPB	F.10
NM1	G.21
NM2	G.21
NMF1	G.21
NMF1WH	G.21
NMF2	G.21
NMF2WH	G.21
NUC6C04BU-FE	F.2
NUL6C04BU-FE	F.2
NUL6CR04BU-CE	F.2
NUL6X04BU-VEG	F.2
NUL6X04BU-HEG	F.2
NUY6C04BU-FE	F.2
NUY6X04BU-HEG	F.2
NUW6C04BU-CE	F.2
NVBP	G.10
NVPDUBE	G.9
NVPDUBE	G.9
NWSE1412G	D.6

P

P06B35M	H.4
P06B37M	H.4
P06B38M	H.4
P06D38M	H.2
P06D39M	H.2
P08E05M	H.3
P08E25M	H.3
P08G10M	H.4
P08G12M	H.4
P12B34M	H.4
P12B36M	H.4
P12D36M	H.2
P16D37M	H.2
P16E26M	H.3
P16E27M	H.3

Part Number	Page Number
-------------	-------------

P20B40M	H.4
P22B39M	H.4
P24B12M	H.4
P24D03M	H.2
P24D40M	H.2
P24D43M	H.2
P24E01M	H.3
P24E02M	H.3
P24E03M	H.3
P24E04M	H.3
P24F06M	H.3
P24F08M	H.3
P24G06M	H.4
P24G08M	H.4
P24G11M	H.4
P30B06M	H.4
P30B13M	H.4
P30D05M	H.2
P32E06M	H.3
P32F10M	H.3
P32G13M	H.4
P34D41M	H.2
P36B43M	H.4
P36E08M	H.3
P36E09M	H.3
P36F12M	H.3
P36F13M	H.3
P36G15M	H.4
P36G16M	H.4
P42B11M	H.4
P42B42M	H.4
P42B44M	H.4
P42D04M	H.2
P42D06M	H.2
P42D42M	H.2
P44E07M	H.3
P44G14M	H.4
PBTMT/E	K.6
PCBANDBL-Q	B.19
PCBANDBU-Q	B.19
PCBANDEI-Q	B.19
PCBANDGR-Q	B.19
PCBANDIG-Q	B.19
PCBANDOR-Q	B.19
PCBANDRD-Q	B.19
PCBANDVL-Q	B.19
PCBANDWH-Q	B.19
PCBANDYL-Q	B.19
PDT110	F.10
PDTH110	F.10
PE2VD06	G.18
PE2VD08	G.18
PE2VD12	G.18
PE2VFD06	G.18
PEB1	G.23
PEB2	G.23
PFFL6X04WH-HED	B.3

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

Index by Part Number

A. Product Showcase	Index by Part Number													
	Part Number		Page Number		Part Number		Page Number		Part Number		Page Number			
B. Copper Systems	PFFY6X04WH-HED	.....	B.3	PSL-DCPLRE-C	.....	B.18	PVQ-PS12VDC-E	.....	H.13	PVQ-PS12VDC-U	.....	H.13		
	PFL5504WH-KG	.....	B.4	PSL27A2204WH-HD	.....	B.3	PVQXLE10LQM00.5	.....	H.14	PVQZLE10LQM00.5	.....	H.14		
	PFL5504WH-KG	.....	B.4	PSL7004WH-HED	.....	B.3	PVSTP6X1MBBU	.....	H.14	PVUTP6X1MBBU	.....	H.14		
	PFL6004WH-KD	.....	B.4	PSL7004WH-KD	.....	B.3	PVUTPSPC1MBBUY	.....	H.14	PVUTPSPC3BBUY	.....	H.14		
	PFL6X04WH-CEG	.....	B.3	PSL7A04WH-HED	.....	B.3	PZICEA	.....	G.25	PZLRB4U	.....	G.26		
C. Fiber Systems	PFO6X04BL-CEG	.....	B.5	PSL7A2204WH-HED	.....	B.3	PZLRB6U	.....	G.26	PZNWE12	.....	D.6		
	PFY6X04WH-CED	.....	B.3	PSM7004BU-KEM	.....	D.2	PZNWE14	.....	D.6	PZWMC1230W	.....	G.25		
	PHQ4SFP2A1MBL	.....	B.22	PSO7004BL-KED	.....	B.5	PZWMC1230WH	.....	G.25	PZWMC12P	.....	G.25		
	PHQ4SFP2A2MBL	.....	B.22	PSW7004WH-HED	.....	B.3	PZWMC12RR	.....	G.26	PZWMC12W	.....	G.25		
	PHQ4SFP2A3MBL	.....	B.22	PSW7A04WH-HED	.....	B.3	PZWMC1830W	.....	G.25	PZWMC1830WH	.....	G.25		
D. Industrial Networks	PHQ4SFP2C4MBL	.....	B.22	PUFL6X04WH-HED	.....	B.3	PZWMC18W	.....	G.25	PZWMC2630W	.....	G.25		
	PHQ4SFP2C5MBL	.....	B.22	PUFY6X04WH-HED	.....	B.3	PZWMC2630WH	.....	G.25	PZWMC26W	.....	G.25		
	PNPIV		D.8	PUL3025WH-A		B.5	Q	QAPP24**		B.23	QAPP24**		C.20	
	PQS2PXA1MBL		B.22	PUL5504WH-EY		B.4		QAPP48HD**		B.23	QAPP48HD**		C.20	
	PQS2PXA2MBL		B.22	PUL6004BU-FE		B.4		QASP24**		B.23	QASP24**		C.20	
PQS2PXA3MBL	.....	B.22	PUL6004WH-FE	.....	B.4	QASP48HD**		.....	B.23	QASP48HD**	.....	C.20		
PQS2PXC4MBL	.....	B.22	PUL6ASD04WH-EG	.....	B.4	QPP24**		.....	B.23	QPP24**	.....	C.20		
E. Audio Video Systems	PQS2PXC5MBL		B.22	PUL6AV04WH-EG		B.2		QPP48HD**		B.23	QPP48HD**		C.20	
	PR2HF2		G.19	PUL6C04WH-FEQ		B.4		QPPABL		B.23	QPPABL		C.21	
	PR2HF3		G.19	PUL6X04WH-HEG		B.2		QPPABL		C.22	QPPBBL		C.22	
	PR2HF4		G.19	PUO6X04BL-CEG		B.5		QPPBBL		B.23	QPPBBL		C.21	
	PR2VD06		G.18	PUW6AV04WH-EG		B.2		QSP24**		B.23	QSP24**		C.20	
F. Keystone Cabling Systems	PR2VD08		G.18	PUW6C04BU-CE		B.4		QSP48HD**		B.23	QSP48HD**		C.20	
	PR2VD10		G.18	PUW6C04WH-CE		B.4		R	R100X150V1M		B.16	R100X225V1M		B.16
	PR2VD12		G.18	PUW6C04WH-CED		B.4			R100X150V1T		B.17	R100X225V1T		B.17
	PR2VFD06		G.18	PUY6004WH-HE		B.4			R100X150V1C		B.17	R100X150V1J		B.17
	PR2VFD08		G.18	PUY6004WH-HED		B.4			R100X150X1J		B.17	R100X225X1J		B.17
PR2VRGSK12		G.18	PUY6AV04WH-EG		B.2									
G. Cabinets, Thermal Mgmt, Racks, Enclosures & Cable Mgmt	PR2VSD06		G.18	PUY6C04WH-FE		B.4								
	PR2VSD08		G.18	PUY6X04WH-HED		B.2								
	PR2VWF		G.18	PUY6X04WH-HEG		B.2								
	PSF1PZA1.5MBL		B.21	PUZ5504WH-CEG		B.4								
	PSF1PZA1MBL		B.21	PUZ6004WH-CEG		B.4								
H. Power and Connectivity Management	PSF1PZA2.5MBL		B.21	PUZ6ASD04WH-EG		B.4								
	PSF1PZA3MBL		B.21	PVF9L10-10M0.5Y		H.14								
	PSF1PZC3.5MBL	.....	B.21	PVFXL10-10M0.5Y	.....	H.14								
	PSF1PZC4MBL	.....	B.21	PVQ9LE10LQM00.5	.....	H.14								
	PSF1PZC5MBL	.....	B.21	PVQ-BIU6C1MBU	.....	H.14								
I. Cable Management Accessories	PSF2PZA1.5MBL	.....	B.22	PVQ-BIU6C3BU	.....	H.14								
	PSF2PZA1MBL	.....	B.22	PVQ-BIU6L1MBU	.....	H.14								
	PSF2PZA2.5MBL	.....	B.22	PVQ-EM	.....	H.13								
	PSF2PZA2MBL	.....	B.22	PVQ-ES6X1MBU	.....	H.14								
	PSF2PZA3MBL	.....	B.22	PVQ-ES6X3BU	.....	H.14								
J. Cable Routing Systems	PSF2PZC3.5MBL	.....	B.22	PVQ-EU6AC1MBU	.....	H.14								
	PSF2PZC4MBL	.....	B.22	PVQ-EU6AC3BU	.....	H.14								
	PSF2PZC5MBL	.....	B.22	PVQ-FMT	.....	H.13								
	PSFL6004WH-KD	.....	B.4	PVQ-FMTMTP-9	.....	H.13								
	PSFL6004WH-KD	.....	B.4	PVQ-FMTMTP-ZX	.....	H.13								
K. Cable Cleats	PSL-DCJB	.....	B.19	PVQ-FMTMTP-ZZ	.....	H.13								
	PSL-DCJB-BL	.....	B.19	PVQ-MIQAPCVR	.....	H.12								
	PSL-DCJB-BU	.....	B.19	PVQ-MIQAPS24	.....	H.12								
	PSL-DCJB-C	.....	B.19	PVQ-MIQAPU24	.....	H.12								
	PSL-DCPLE	.....	B.18	PVQ-MIQPS24	.....	H.12								
L. Part Number Index	PSL-DCPLE-BL	.....	B.18	PVQ-MIQPS96A	.....	H.12								
	PSL-DCPLE-C	.....	B.18	PVQ-MIQPS96F	.....	H.12								
	PSL-DCPLRE	.....	B.18	PVQ-MIQPU24	.....	H.12								
	PSL-DCPLRE-BL	.....	B.18	PVQ-PM	.....	H.13								

Index by Part Number

Part Number	Page Number
-------------	-------------

R2P.....	G.22
R2P6S.....	G.22
R2PPDUB.....	G.23
R4P.....	G.21
R4P23CN.....	G.21
R4P36.....	G.21
R4P36CN.....	G.21
R4P42CN.....	G.21
R4PCN.....	G.21
RFG3DSMY.....	G.17
RFG6X8SMY.....	G.17
RFG6X8Y.....	G.17
RFG8X8SMY.....	G.17
RFG8X8Y.....	G.17
RSHLF.....	G.22
RT2HT.....	K.6

S

S100X150VAC.....	B.17
S100X150VAM.....	B.16
S100X225VAM.....	B.16
S100X150VATY.....	B.17
S100X225VATY.....	B.17
S100X150YAJ.....	B.17
S100X225YAJ.....	B.17
S1DR.....	G.9
S1DR.....	G.9
S22SPSE.....	G.9
S2BRK12.....	G.9
S2BRK12.....	G.9
S2BRK6.....	G.9
S2BRK6.....	G.9
S2DR.....	G.9
S2LR.....	G.9
S51SPSE.....	G.9
S52SPSE.....	G.9
S6212B.....	G.6
S6212BU.....	G.7
S6222B.....	G.6
S6222BU.....	G.7
S6522BF.....	G.6
S6812BU.....	G.7
S7222B.....	G.6
S7222BU.....	G.7
S7512WU.....	G.7
S7522BF.....	G.6
S7822BU.....	G.7
S7822WU.....	G.7
S8212B.....	G.6
S8212BU.....	G.7
S82SPSEW.....	G.9
S8512B.....	G.6
S8512BF.....	G.6
S8512BU.....	G.7
S8522B.....	G.6
S8522BF.....	G.6
S8522BU.....	G.7

Part Number	Page Number
-------------	-------------

SAPPBU^.....	B.6
SGPT.....	B.11
SKMKEY.....	B.18
SKRJ45RD-X.....	B.18
SKUSBA-V.....	B.18
SKUSBC.....	B.18
SN15F.....	G.9
SN18F.....	G.9
SN25F.....	G.9
SN8VCM.....	G.9
SN8VCM.....	G.9
SP-1LSA22BL.....	B.10
SP-SFCS1IG-CEG.....	B.5
SP628-C.....	B.9
SP6X88-C.....	B.9
SP6X88P-C.....	B.9
SP6X88SD-C.....	B.9
SPDUBRK.....	G.9
SPS688-C.....	B.9
SPS6X88-C.....	B.9
SRB19BLY.....	B.15
SRB19BLY.....	F.4
SRB19D5BL.....	B.15
SRB19D5BL.....	F.4
SRB19D7BL.....	B.15
SRB19D7BL.....	F.4
SRB19MDBL.....	B.15
SRBBRKT.....	B.15
SRBBRKT.....	F.4
SRM19FM1.....	G.22
STP28X^M*.....	B.6
STP6X^M*.....	B.6

T

T038X000VPM-BK.....	B.16
T100X000VPM-BK.....	B.16
TDP43ME/E-KIT.....	B.17
TGJT.....	B.11
TGSJT.....	B.11
TLBP1R-V.....	G.17
TLBP1R-V10.....	G.17
TLBP1S-V.....	G.17
TLBP1S-V.....	G.17
TLBP1S-V10.....	G.17
TLBP2R-V.....	G.17
TLBP2R-V10.....	G.17
TLBP2S-V.....	G.17
TLBP2S-V10.....	G.17
TPK2A32R88S68.....	B.14
TTR-20R0.....	I.4
TTR-35R3-0.....	I.4
TTR-35RX0.....	I.4
TTR-75R0.....	I.4

U

UCT3S-X0.....	I.5
UGCTC3S-X0.....	I.5

Part Number	Page Number
-------------	-------------

UGCTE3S-X0.....	I.5
UPPBU^.....	B.6
UPS00100DC.....	D.7
UPS003LSM.....	D.7
UTP28SP^*.....	B.6
UTP28X^*.....	B.6
UTP6AX^*.....	B.6
UTPSPA^*Y.....	B.6
UZPPBU^.....	B.6

V

VP24382TV25Y.....	B.14
-------------------	------

W

WB89D.....	F.4
WBH1.....	G.26
WG12BL10.....	J.33
WG12FRTBBL.....	J.37
WG18BL10.....	J.33
WG18FRTBBL.....	J.37
WG24BL10.....	J.33
WG24FRTBBL.....	J.37
WG2PRB12BL.....	J.36
WG2PRB18BL.....	J.36
WG2PRB24BL.....	J.36
WG8BL10.....	J.33
WGBTMWFB.....	J.34
WGC12BL.....	J.35
WGC18BL.....	J.35
WGC24BL.....	J.35
WGC3EZ.....	J.35
WGCMB1070BL.....	J.36
WGCMB1200BL.....	J.36
WGCMB1200BL.....	J.36
WGCT-M.....	J.38
WGDW2PG.....	J.38
WGDW4PG.....	J.38
WGDW6PG.....	J.38
WGESPL2430BL.....	J.34
WGHDRDWTBL.....	J.38
WGIBRC2BL.....	J.37
WGIBRC4BL.....	J.37
WGIBRC6BL.....	J.37
WGINTSPLBL.....	J.34
WGR4PK30BL.....	J.36
WGSKBL.....	J.37
WGSPL1218BL.....	J.34
WGSPL2430BL.....	J.34
WGSW2BL.....	J.37
WGSW4BL.....	J.37
WGSW6BL.....	J.37
WGSWF4BL.....	J.34
WGTBS12BL.....	J.35
WGTBS18BL.....	J.35
WGTBS24BL.....	J.35
WGTBS8BL.....	J.35

A.
Product
ShowcaseB.
Copper
SystemsC.
Fiber
SystemsD.
Industrial
NetworksE.
Audio
Video
SystemsF.
Keystone
Cabling
SystemsG.
Cabinets,
Thermal
Mgmt, Racks,
Enclosures
& Cable
MgmtH.
Power and
Connectivity
ManagementI.
Cable
Management
AccessoriesJ.
Cable
Routing
SystemsK.
Cable
CleatsL.
Part
Number
Index

Index by Part Number

A. Product Showcase

B. Copper Systems

C. Fiber Systems

D. Industrial Networks

E. Audio Video Systems

F. Keystone Cabling Systems

G. Cabinets, Thermal Mgmt, Racks, Enclosures & Cable Mgmt

H. Power and Connectivity Management

I. Cable Management Accessories

J. Cable Routing Systems

K. Cable Cleats

L. Part Number Index

Part Number	Page Number
-------------	-------------

WGTL12PG.....	J.38
WGTL18PG.....	J.38
WGTL24PG.....	J.38
WGTL8PG.....	J.38
WGWMTB12BL.....	J.35
WGWMTB1830BL.....	J.35
WGWMTB8BL.....	J.35
WME0UB.....	G.26
WME31RU.....	G.26
WME3BL.....	G.24
WME3ERAIL.....	G.26
WME6BL.....	G.24
WME9BL.....	G.24
WMEBR.....	G.26
WMP1E.....	G.20
WMPF1E.....	G.20
WMPFSE.....	G.20
WMPH2E.....	G.20
WMPHF2E.....	G.20
WMPLFSE.....	G.20
WMPLE.....	G.20
WMPSE.....	G.20
WMPV22E.....	G.19
WMPV45E.....	G.19
WMPVF45E.....	G.19
WMPVHC45E.....	G.19
WMPVHCF45E.....	G.19

Part Number	Page Number
-------------	-------------

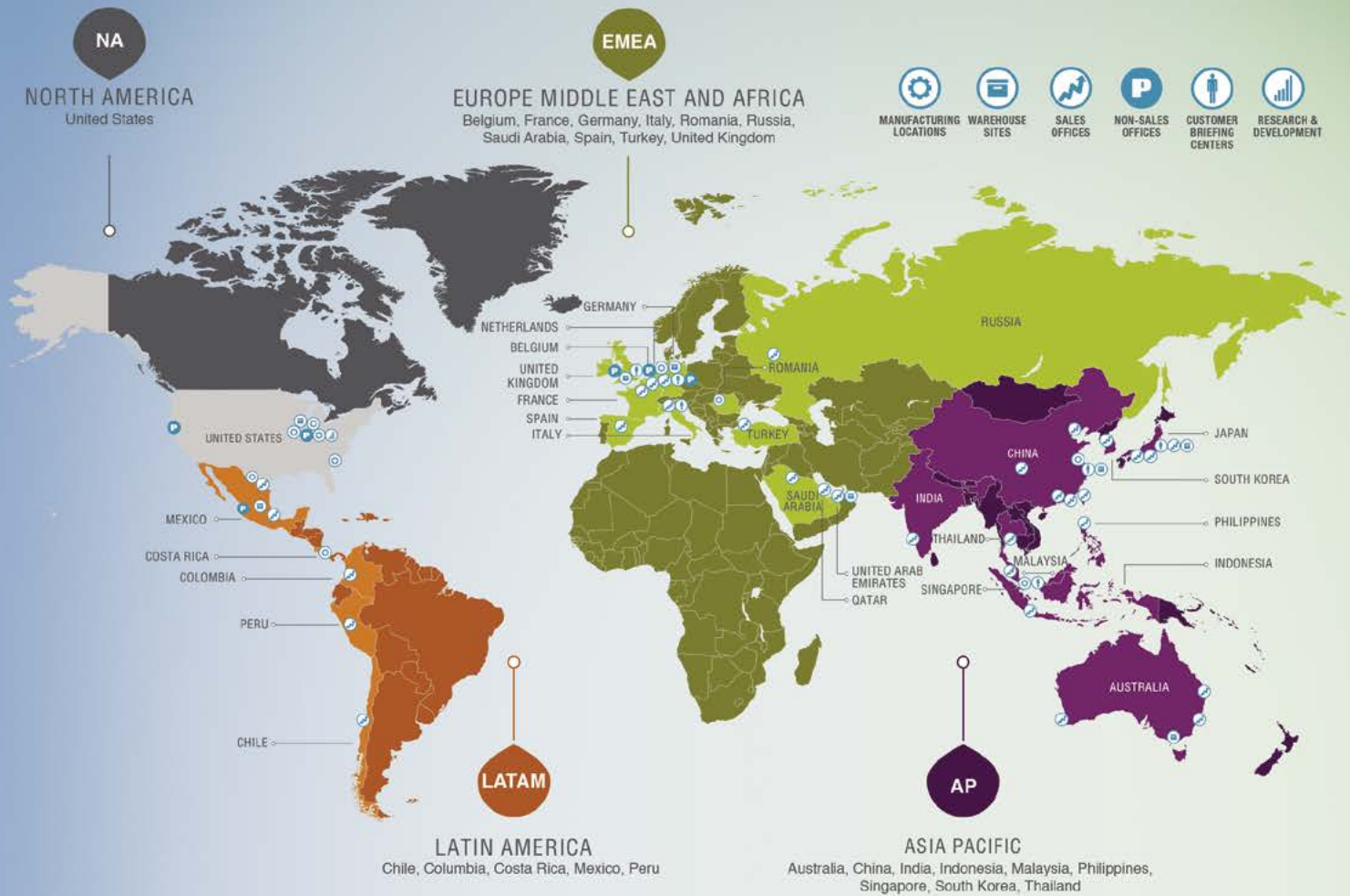
X	
XG-FML45B.....	G.4
XG-FML45W.....	G.4
XG-FML48B.....	G.4
XG-FML48W.....	G.4
XG-FMS45B.....	G.4
XG-FMS45W.....	G.4
XG-PBRB.....	G.4
XG-PBRW.....	G.4
XG-VCM42B.....	G.4
XG-VCM42W.....	G.4
XG-VCM45B.....	G.4
XG-VCM45W.....	G.4
XG-VCM48B.....	G.4
XG-VCM48W.....	G.4
XG64212BS0001.....	G.3
XG64212WS0001.....	G.3
XG64222BS0001.....	G.3
XG64222WS0001.....	G.3
XG64512BS0001.....	G.3
XG64512WS0001.....	G.3
XG64522BS0001.....	G.3
XG64522WS0001.....	G.3
XG64822BS0001.....	G.3
XG64822WS0001.....	G.3
XG74212BS0001.....	G.3
XG74212WS0001.....	G.3

Part Number	Page Number
-------------	-------------

XG74222BS0001.....	G.3
XG74222WS0001.....	G.3
XG74512BS0001.....	G.3
XG74512WS0001.....	G.3
XG74522BS0001.....	G.3
XG74522WS0001.....	G.3
XG74822BS0001.....	G.3
XG74822WS0001.....	G.3
XG84222BS0001.....	G.3
XG84222WS0001.....	G.3
XG84522BS0005.....	G.3
XG84522WS0005.....	G.3
XG84822BS0005.....	G.3
XG84822WS0005.....	G.3

Z

Z22C-S.....	D.7
Z22U-S15.....	D.7
Z22U-S15S.....	D.7
Z23C-S.....	D.7
Z23U-S21.....	D.7
Z23U-S25.....	D.7
Z23U-S25S.....	D.7
ZDF242430.....	D.8
ZDF242430DA2.....	D.8
ZDF48-RA.....	D.8
ZDF48-RADA2.....	D.8



THE INFORMATION CONTAINED IN THIS CATALOG IS INTENDED AS A GUIDE FOR USE BY PERSONS HAVING TECHNICAL SKILL AT THEIR OWN DISCRETION AND RISK. BEFORE USING ANY PANDUIT PRODUCT, THE BUYER MUST DETERMINE THE SUITABILITY OF THE PRODUCT FOR HIS/HER INTENDED USE AND BUYER ASSUMES ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH. PANDUIT DISCLAIMS ANY LIABILITY ARISING FROM ANY INFORMATION CONTAINED HEREIN OR FOR ABSENCE OF THE SAME.

All Panduit products are subject to the terms, conditions and limitation of its then current Limited Product Warranty, which can be found at www.panduit.com/warranty.



Panduit Europe Ltd.
Westgate, Westworld
W5 1UD London
United Kingdom
phone +44 (0) 208 601 7200
EMEA-CustomerServices@panduit.com

www.panduit.com