2.5

RACK MOUNT ENCLOSURES AND ACCESSORIES

Chapter Summary

- Rack mount enclosures provide options for rack placement and protection of fiber terminations
- Complete line of connectivity, splice and size options – up to 288 fibers
- Splice and patch enclosures
- Unloaded enclosures accept AMP NETCONNECT Snap-in Adapter Plates
  - Mix and match connector types in the same enclosure
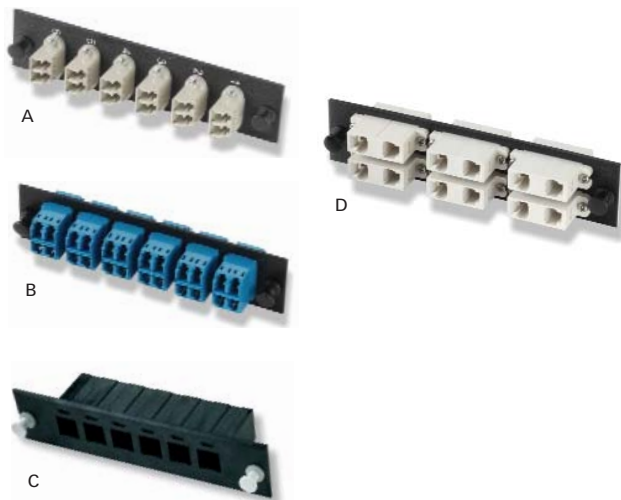- Loaded enclosures
- Cable management and accessories

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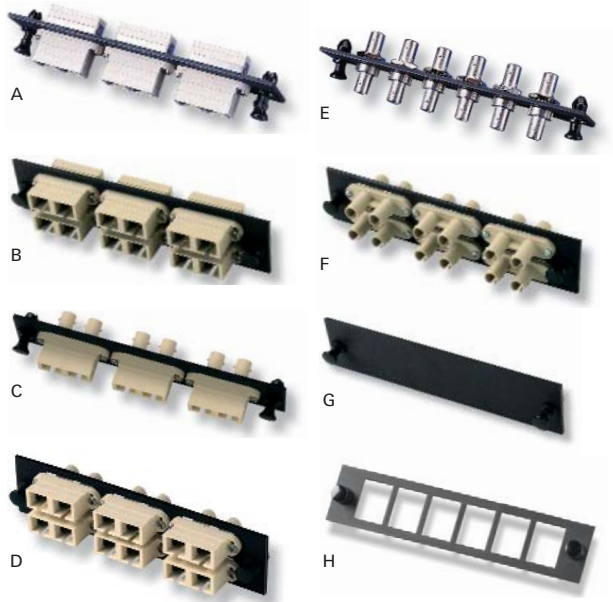
Snap-In Adapter Plates

2.5

Product Facts

- All Snap-in Adapter Plates fit AMP NETCONNECT unloaded Optical Fiber Enclosures included in this chapter
- MT-RJ Jack Adapter Plates:
    - Hold up to six (6) MT-RJ (standard or secure) Jacks or Pigtail Jack Cable Assemblies
    - Accepts labeling icons in Chapter 8
- MT-RJ Plug Adapter Plates hold up to twelve (12) MT-RJ Plugs (standard only)
- LC SECURE plugs will only mate with the same color LC SECURE adapter.
- Package quantity = 1 per pack

Adapter Description	Fibers	Type	Adapter Color	Figure	Part Number
LC Duplex	12	Multimode (62.5/125,OM1)	Beige	A	1374463-2
		Multimode (50/125,OM2)	Black	–	1374463-4
		Multimode (XG LO 50/125,OM3)	Aqua	–	1374463-5
		Single-mode (UPC)	Blue	–	1374463-1
		Single-mode (APC)	Green	–	1374463-6
LC Duplex	24	Multimode (62.5/125,OM1)	Beige	–	1435516-2
		Multimode (50/125,OM2)	Black	–	1435516-4
		Multimode (XG LO 50/125,OM3)	Aqua	–	1435516-5
		Single-mode (UPC)	Blue	B	1435516-1
		Single-mode (APC)	Green	–	1435516-6
LC SECURE Duplex	24	Multimode/Single-mode	Red	–	1499702-2
		Multimode/Single-mode	Yellow	–	1499703-2
		Multimode/Single-mode	Green	–	1499704-2
		Multimode/Single-mode (UPC Polish)	Blue	–	1499705-2
		Multimode/Single-mode	Rose	–	1499706-2
		Multimode/Single-mode	Aqua	–	1499707-2
		Multimode/Single-mode	Brown	–	1499708-2
		Multimode/Single-mode	Violet	–	1499709-2
		Multimode/Single-mode	Orange	–	1499710-2
		Multimode/Single-mode	Slate	–	1499711-2
MT-RJ, Holds 6 Jacks	12	–	–	C	1278328-3
MT-RJ, 12 Plugs	24	Multimode (62.5/125,OM1)	Beige	D	1435440-1
		Multimode (50/125,OM2)	Black	–	1435440-2
		Single-mode (UPC)	Blue	–	1435440-3
SC Simplex	6	Multimode (62.5/125,OM1)	Beige	–	559517-7
		Multimode (50/125,OM2)	Black	–	559517-3
		Multimode (XG LO 50/125,OM3)	Aqua	–	559517-8
		Single-mode (UPC)	Blue	–	559517-1
		Single-mode (APC)	Green	–	559517-2

Note: UPC - Ultra Physical Contact, APC - Angled Polish Connector

Snap-In Adapter Plates

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Product Facts

● All Snap-in Adapter Plates fit AMP NETCONNECT unloaded Optical Fiber Enclosures included in this chapter

● SL Series Discrete Adapter Plates accept SL Series Jacks (see Chapter 2.2) and Multimedia Inserts (see Chapters 1.2 & 2.2)

● Package quantity = 1 per pack

Adapter Description	Fibers	Type	Adapter Color	Figure	Part Number
SC Duplex	6	Multimode (62.5/125,OM1)	Beige	A	559558-1
		Multimode (50/125,OM2)	Black	–	559558-5
		Multimode (XG LO 50/125,OM3)	Aqua	–	559558-6
		Single-mode (UPC)	Blue	–	559558-2
		Single-mode (APC)	Green	–	559558-7
SC Duplex	12	Multimode (62.5/125,OM1)	Beige	B	559596-1
		Multimode (50/125,OM2)	Black	–	559596-5
		Multimode (XG LO 50/125,OM3)	Aqua	–	559596-6
		Single-mode (UPC)	Blue	–	559596-2
		Single-mode (APC)	Green	–	559596-3
SC to ST Duplex	6	Multimode (62.5/125,OM1)	Beige	C	559601-1
		Multimode (50/125,OM2)	Black	–	559601-4
		Multimode (XG LO 50/125,OM3)	Aqua	–	559601-5
		Single-mode (UPC)	Blue	–	559601-6
SC to ST Duplex	12	Multimode (62.5/125,OM1)	Beige	D	1278368-1
		Multimode (50/125,OM2)	Black	–	1278368-2
		Multimode (XG LO 50/125,OM3)	Aqua	–	1278368-3
		Single-mode (UPC)	Blue	–	1278368-5
ST Simplex	6	–	Metallic	E	559557-1
		Single-mode (UPC)	Metallic	E	559515-2
ST Duplex	12	Multimode (62.5/125,OM1)	Beige	F	1278567-1
		Single-mode (UPC)	Blue	–	1278567-2
MPO 6 Port	–	–	Black	–	1374598-1
Blank	–	–	–	G	559523-1
SL 6 Port	–	–	–	H	1479506-1

Note: UPC - Ultra Physical Contact, APC - Angled Polish Connector

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1U Rack Mount Fiber Optic Patch Panel
PART NUMBER 1777125-1

Product Facts
● Accepts three (3) Snap-in Adapter Plates or MPO Cassettes (see this Chapter and 2.4, not included)
● Fits standard TIA 19" rack
● 1U (1.75")

Panel Holds 3 Snap-in Adapter Plates or MPO Cassettes (not included)

Fiber Densities

Insert Type	Fiber Density (max)	Duplex Port Density (max)
6-Fiber Adapter Plates	18	9
12-Fiber Adapter Plates or MPO Cassettes	36	18
24-Fiber Adapter Plates or MPO Cassettes	72	36

2U Rack Mount Fiber Optic Patch Panel
PART NUMBER 1435847-1

Product Facts
● Rack Mount Panel holds 72 SL Series Fiber Inserts (see Chapter 2.2, not included)
● SL Series Inserts not included with Panel (see Chapter 1.2)
● Fits standard TIA 19" rack
● Integrated front (3″) and rear (8″) cable management trays
● 2U (3.5")

Panel Holds 72 SL Series Fiber Inserts (not included)

Fiber Densities

SL Series Insert (not included with panel)	Fiber Density (max)	Duplex Port Density (max)
MT-RJ Jack Housing, 2 Fiber	144	72
LC Coupler, 2 Fiber	144	72
ST Coupler, 1 Fiber	72	36

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1U Rack Mount Patch Enclosures

Product Facts
- Accept three (3) Snap-in Adapter Plates or MPO Cassettes (see this Chapter and 2.4, not included)
- Enclosure 1348876-4 holds two FOSC 500 AA splice trays
  - P/N: 3-1201266-4 (not included)
  - Each tray holds 24 Fibers
- Quick release Slide and tilt drawer
- Forward, flush or recessed mounting
- Fit standard TIA 19" rack
- Include fiber management rings
- Standard Cable Enclosure includes cable strain relief
- Armored and Multiple Trunk Cables Enclosure includes:
  - Special design to hold armored or multiple trunk cables in place
  - Large rear cable entry with tie down brackets that can be mounted inside or outside of Enclosure

Description	Height	Width	Part Number
Standard Cables	1U (1.75")	19"	1348876-4
Armored and Multiple Trunk Cables	1U (1.75")	19"	1435555-1

Fiber Densities

Insert Type	Fiber Density (max)	Duplex Port Density (max)
6-Fiber Adapter Plates	18	9
12-Fiber Adapter Plates or MPO Cassettes	36	18
24-Fiber Adapter Plates or MPO Cassettes	72	36

1U Rack Mount Patch Enclosure

Product Facts
- Accept three (3) Snap-in Adapter Plates or MPO Cassettes (see this Chapter and 2.4, not included)
- Heavy duty, smoothly operating, slide mounting brackets
- Clear top removable cover
- Flush mount
- Holds 2 Splice trays (not included)
  - P/N: 1435574-1
- Fits standard TIA 19" rack

Description	Height	Width	Part Number
Panel Enclosure	1U (1.75")	19"	1-1657014-7

Fiber Densities

Insert Type	Fiber Density (max)	Duplex Port Density (max)
6-Fiber Adapter Plates	18	9
12-Fiber Adapter Plates or MPO Cassettes	36	18
24-Fiber Adapter Plates or MPO Cassettes	72	36
Splice Trays (2)	24	—

Panel Holds 3 Snap-in Adapter Plates or MPO Cassettes (not included)

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1U MT-RJ Rack Mount Patch Enclosure
PART NUMBER 1206704-4

Product Facts

- 1U 48-Fiber Rack Mount Enclosure high-density solution
- Loaded with housings for MT-RJ Patch Panel Jacks
- Holds up to twenty-four (standard or secure) MT-RJ Patch Panel Jacks or MT-RJ Pigtail Jack Cable Assemblies (each purchased separately, see Chapter 2.3)
- Quick release Slide and tilt drawer
- Cable strain relief and management rings included
- Forward, flush or recessed mounting
- Fits standard TIA 19" rack
- Accepts icons for identification (see Chapter 8)

Fiber Densities

Insert Type	Fiber Density (max)	Duplex Port Density (max)
2-Fiber MT-RJ Jacks	48	24

1U LC, SC, and ST Rack Mount Patch Enclosures

Product Facts

- Enclosures pre-loaded with LC, SC, or ST Adapters
- Quick release Slide and tilt drawer
- Cable strain relief and management rings included
- Forward, flush or recessed mounting
- Fits standard TIA 19" rack
- Enclosure 1348876-4 holds two FOSC 500 AA splice trays
  - P/N: 3-1201266-4 (not included)
  - Each tray holds 24 Fibers

Description		Coupler Color		Fiber Density	Duplex Port Density	Part Number
ST	Simplex	Multimode	Metallic	12	6	2-1206114-4
				24	12	4-1206114-4
SC	Duplex	Multimode	Beige	12	6	2-1206138-4
				24	12	4-1206138-4
		Single-mode	Blue	12	6	2-1348960-4
				24	12	4-1348960-4
LC	Duplex	Multimode	Beige	24	12	2-1671000-8
				48	24	4-1671000-8
		Single-mode	Blue	24	12	2-1671000-4
				48	24	4-1671000-4

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2U Rack Mount Patch Enclosures

Description	Height	Width	Part Number
Standard Cables	2U (3.50")	19" or 23"	559542-2
Armored and Multiple Trunk Cables	2U (3.50")	19" or 23"	1435556-1

Fiber Densities

Insert Type	Fiber Density (max)	Duplex Port Density (max)
6-Fiber Adapter Plates	24	12
12-Fiber Adapter Plates or MPO Cassettes	48	24
24-Fiber Adapter Plates or MPO Cassettes	96	48

Product Facts

- Accept up to four (4) Snap-in Adapter Plates or MPO Cassettes (see this Chapter and 2.4, not included)
- Removable front and rear covers for easy access and installation
- Front and rear fiber/cable management rings
- Edge guard on front cable entries for cable assembly protection
- Forward, flush or recessed mounting
- Fits standard TIA 19" and 23" racks
- Standard Cable Enclosure includes cable strain relief
- Armored and Multiple Trunk Cable Enclosure includes:
  - Special design to hold armored or multiple trunk cables in place
  - Large rear cable entry with tie down brackets that can be mounted inside or outside of Enclosure
- Shown loaded with 6-Fiber Duplex SC Snap-in Adapter Plates (not included)

3U Rack Mount Patch Enclosures and Accessories

Standard Front

Back

Description	Height	Width	Part Number
Standard Cables	3U (5.25")	19" or 23"	559614-2
Armored and Multiple Trunk Cables	3U (5.25")	19" or 23"	1435557-1
3U Security Kit	–	–	1435187-2

Fiber Densities

Insert Type	Fiber Density (max)	Duplex Port Density (max)
6-Fiber Adapter Plates	48	24
12-Fiber Adapter Plates or MPO Cassettes	96	48
24-Fiber Adapter Plates or MPO Cassettes	192	96

Product Facts

- Accept up to eight (8) Snap-in Adapter Plates or MPO Cassettes (see this Chapter and 2.4, not included)
- Removable front and rear covers for easy access and installation
- Front and rear cable management rings
- Edge guard on front cable entries for cable assembly protection
- Forward, flush or recessed mounting
- Fits standard TIA 19" and 23" racks
- Standard Cable Enclosure includes cable strain relief
- Armored and Multiple Trunk Cable Enclosure includes:
  - Special design to hold armored or multiple trunk cables in place
  - Large rear cable entry with tie down brackets that can be mounted inside or outside of Enclosure
- Security Kit includes two (2) locks and one (1) aluminum front door (black)
  - For use with 3U enclosure 559614-2 only
- Shown loaded with 12-Fiber MT-RJ Snap-in Adapter Plates (not included)

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4U Rack Mount Patch Enclosures and Accessories

Description	Height	Width	Part Number
Standard Cables	4U (7.*0")	19" or 23"	559552-2
Armored and Multiple Trunk Cables	4U (7.*0")	19" or 23"	1435558-1
4U Security Kit	–	–	*1435161-2

Fiber Densities

Insert Type	Fiber Density (max)	Duplex Port Density (max)
6-Fiber Adapter Plates	72	36
12-Fiber Adapter Plates or MPO Cassettes	144	72
24-Fiber Adapter Plates or MPO Cassettes	288	144

Product Facts

- Accept twelve (12) Snap-in Adapter Plates or MPO Cassettes (see this Chapter and 2.4, not included)
- Removable front and rear covers for easy access and installation
- Front and rear cable management rings
- Edge guard on front cable entries for cable assembly protection
- Forward, flush or recessed mounting
- Fits standard TIA 19" and 23" racks
- Standard Cable Enclosure includes cable strain relief
- Armored and Multiple Trunk Cable Enclosure includes:
  - Special design to hold armored or multiple trunk cables in place
  - Large rear cable entry with tie down brackets that can be mounted inside or outside of Enclosure
- Security Kit includes two (2) locks and one (1) aluminum front door (black)
    *For use with 4U enclosure 559552-2 only
- Shown loaded with 6-Fiber ST Snap-in Adapter Plates (not included)

Rack Mount Fiber Management Enclosures and Accessories

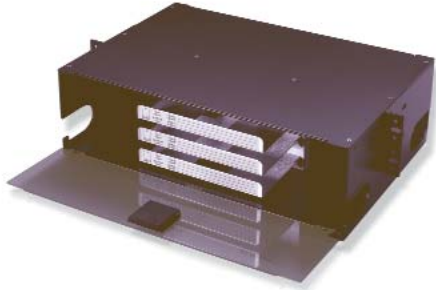## PART NUMBER 1435808-1

Front, Extended

Product Facts

- Holds excess loops of fiber cable or patch cords
- Drawer style
- Cable Management loops included
- 2U (3.50")

Accessories for Rack Mount Enclosures

Description	Cable Diameter	Figure	Part Number
Cable Strain Relief	3.5 - 8mm	A	1206144-1
	9 - 14mm	B	1206145-1
Cable Management Ring Kit	–	C	1206146-1

A   B   C

2.5

Rack Mount Splice Enclosures

Product Facts

- Each splice tray holder accepts two (2) splice trays
  - 1435839 or 559433 splice trays (not included)
- Splice tray holders are located in front of unit allowing cable storage in rear
- Removable rear and clear front covers for easy access and installation
- Clear front cover
- Edge guard on front cable entry for cable assembly protection
- Fits standard TIA 19" and 23" racks

Description		Part Number
3U	3 Splice Tray Holders	559089-2
4U	4 Splice Tray Holders	1435990-2

Fiber Density/Splice Tray Capacity

Insert Type	Fiber Count (max)	Splice Tray Holder Capacity(splice trays)
3U Fiber Density	72	6
4U Fiber Density	96	8

Splice Trays and Accessories for 3U and 4U Rack Mount Splice Enclosures

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[38.11.27]

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[5.1]

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G

End Cap   Discrete Cap

H

Product Facts

- Hold up to 12 splices each
- Used with 2U, 3U, and 4U Rack Mount Spice Enclosures
- Accommodates both through (in-line) and end (butt) splice configurations
- Black anodized aluminum construction for durability and clear plastic top for improved fiber visibility
- Each splice tray includes clear plastic cover, end caps for fiber retention, and splice holders as listed
- Splice and Fiber Holders are also available separately
- 559433 splice tray holders found in Chapter 2.6

Splice Trays with Splice Holders

Description	Included Splice Holder	Figure	Part Number
Splice Tray	Fusion with sleeve & Elastomeric	A	1435839-1
	CORELINK	B	1435839-2
	Universal	C	1435839-3
	Mechanical	D	1435839-4

Splice and Fiber Holders

Description		Figure	Part Number
Splice Holder	Fusion with sleeve & Elastomeric	E	503085-1
	Fusion	F	503086-1
	CORELINK	G	559066-1
Fiber Holder		H	559532-1

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Splice and Patch Enclosure

2.5

Rack Mount Splice and Patch Enclosures, 2U (3.50-inch)
PART NUMBER 1435652-1

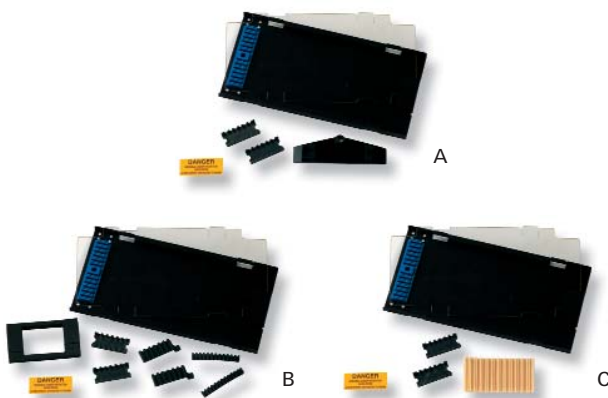Back, Open

Front, Open
with Tray Extended

Product Facts
- Accepts:
  - Up to three (3) Snap-in Adapter Plates or MPO Cassettes (see this Chapter and 2.4, not included)
  - Up to six (6) 559433 splice trays (see splice accessories table below)
- Removable front and rear covers for easy access and installation
- Front and rear cable management rings
- Edge guard on front cable entries for cable assembly protection
- Forward, flush or recessed mounting
- Fits standard TIA 19" and 23" racks
- Specially designed to hold armored or multiple trunk cables in place
- Large side or rear cable entry features tie down brackets that can be mounted inside or outside of enclosure
- A splicing shelf is located over adapter plates
- Designed as a drawer for easy access

Fiber Density/Splice Tray Capacity

Insert Type	Fiber Count (max)	Splice Tray Holder Capacity (splice trays)
6-Fiber Adapter Plates	18	9
12-Fiber Adapter Plates or MPO Cassettes	36	18
24-Fiber Adapter Plates or MPO Cassettes	72	36
Spliced Fiber Capacity	72	–
Splice Tray Holder Capacity	6	–

Splice Accessories for Rack Mount Splice and Patch Enclosure

Product Facts
- Can mix and match splice trays
- Splice trays hold up to 12 fusion, elastomeric, or mechanical splices (select appropriate part number)
  - CORELINK mechanical splices in Chapter 2.2
- Black anodized aluminum construction for durability and improved fiber visibility
- Each splice tray includes clear plastic cover, end caps for fiber retention, and appropriate splice holders

Description	Included Splice Holder	Figure	Part Number
	Fusion	A	559433-2
Splice Tray	Elastomeric & Fusion with Sleeve	B	559433-3
	CORELINK	C	559433-4