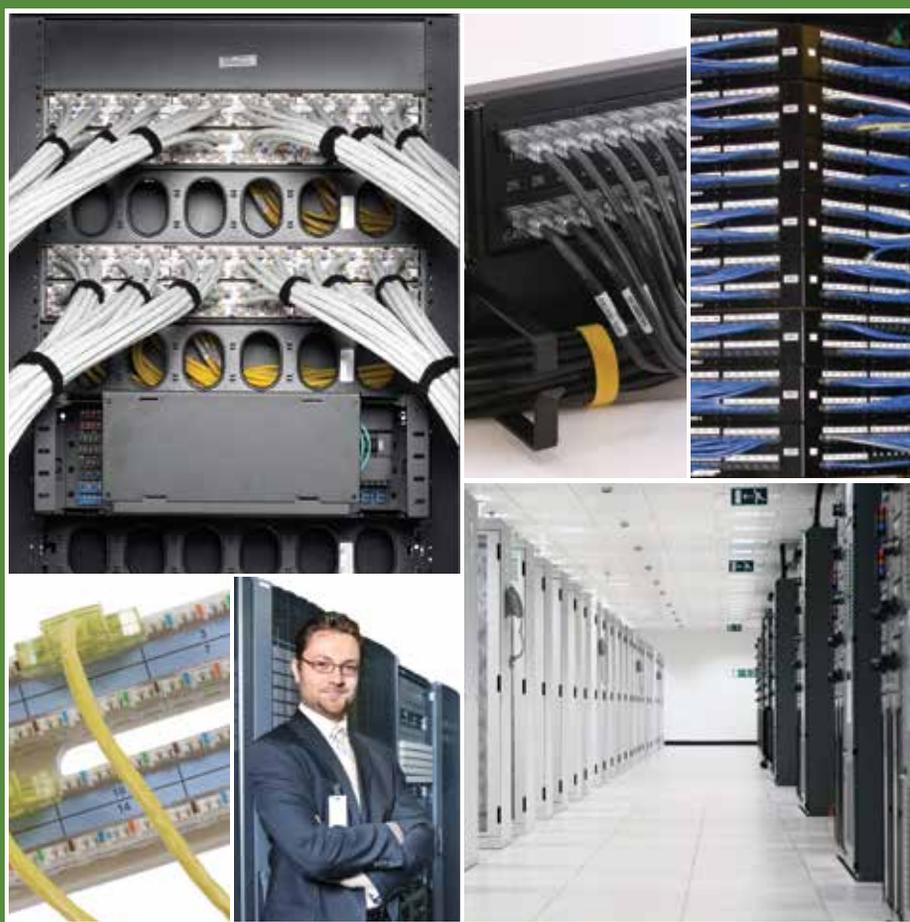




## COPPER | Cross Connect

Hubbell's cross connect products lead the industry in innovation, efficiency and component performance. Hubbell's patch panels and blocks are designed to exceed current industry standards and provide a foundation for future applications.





# COPPER | Cross Connect

NEXTSPEED® Ascent Category 6A Component.....	C3
NEXTSPEED® Category 6 Component .....	C5
NEXTSPEED® Category 5e Component.....	C6
Hubbell iSTATION Multimedia and Keystone Patch Panels.....	C7
6-110 Connecting Block System .....	C9
110 Connecting Block System.....	C10
Rack Mount and Wall Mount Kits .....	C11
Cross Connect Blocks.....	C12





### Performance

Zero-crosstalk contact structure provides the highest performance while maintaining true balance.



### Integrated Cable Management

Rear cable manager bars maintain termination integrity. They install with minimal cable disturbance and provide support required for large diameter 6A cables.

### Specifications



- 4.5dB NEXT margin over TIA 568-C.2 component at 500MHz
- 1.5dB NEXT margin over ISO/IEC 11801 6<sub>A</sub> component requirements at 500MHz
- Supports permanent links: 2-90 meters
- Enhanced common mode design eliminates residual and reflected NEXT and ANEXT
- Designed and tested for 1.5A of continuous current per pair

### Standards/Listings/Verifications

- TIA-568-C.2 Category 6A component
- ISO/IEC 11801/60603-7-41 6<sub>A</sub> component
- Third Party tested for TIA 568-C.2 requirements Component/Link/Channel
- Category 6A and ISO/IEC 11801 Class E<sub>A</sub>
- Mechanical: Verified to TIA-568-C.2
- UL Listed 1863, UL 94 V-0 Flammability Rating ISO9001-2008 Manufacturing Process



### Identification

Integrated port and panel labeling, as well as port icon attachment, simplify TIA-606-B compliance.

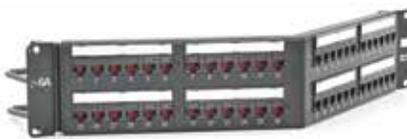


### Unified Design

Labeling, termination, and aesthetics shared across all performance categories, sizes, and configurations.



24-Port Patch Panel  
HP6A24



48-Port, Angled Patch Panel  
HP6A48A



24-Port Patch Panel  
HP6A24W

## NEXTSPEED® Ascent Category 6A Patch Panels

Color	Width Inches (mm)	Height Inches (mm)	Ports	Rack Units	Catalog No.
Black	19" (483)	1.75" (45)	24	1	<b>HP6A24</b>
		3.50" (89)	48	2	<b>HP6A48</b>
		7.00" (178)	96	4	<b>HP6A96</b>
White	19" (483)	1.75" (45)	24	1	<b>HP6A24W</b>
		3.50" (89)	48	2	<b>HP6A48W</b>
		7.00" (178)	96	4	<b>HP6A96W</b>

Note: Versions without cable management bar available as HP6A24E and HP6A48E.

## NEXTSPEED® Ascent Category 6A Angled Patch Panels

Color	Width Inches (mm)	Height Inches (mm)	Ports	Rack Units	Catalog No.
Black	19" (483)	1.75" (45)	24	1	<b>HP6A24A</b>
		3.50" (89)	48	2	<b>HP6A48A</b>

Note: HP6AxxA angled panel protrudes 4.46" from the plane of the rack. One extra inch of space is recommended between the door and panel angle.

## NEXTSPEED® Ascent Category 6A Surface Mount Panel

Description	Catalog No.
12-port, Category 6A, universal, 89D	<b>HP6A12</b>

## Rear Cable Management Bars

Type	Description	Catalog No.
19" Rack Mount	Cable management bar and screws	<b>CMBR</b>
	Cable management bar, straight, with screws	<b>ECMBRS</b>
	Cable management bar, 3" with screws	<b>ECMBR3</b>
	Cable management bar, 6" with screws	<b>ECMBR6</b>
HPW Panel Mount	Cable management bar	<b>HPRCMB</b>

## Labels for NEXTSPEED® Ascent Category 6A Patch Panels

Description	Catalog No.
Printable front, 6-port, 4800-pack	<b>HPLBL4800</b>

## Termination Caps

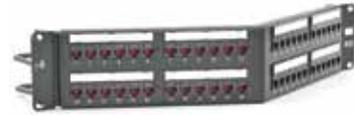
Description	Catalog No.
12-pack	<b>HPSC12</b>



48-Port Patch Panel  
HP648



48-Port Patch Panel, Rear View  
HP648



48-Port Patch Panel, Angled  
HP648A

**NEXTSPEED® Category 6 Patch Panels**

Color	Width Inches (mm)	Height Inches (mm)	Ports	Rack Units	Catalog No.
Black	19" (483)	1.75" (45)	24	1	<b>HP624</b>
		3.50" (89)	48	2	<b>HP648</b>
		7.00" (178)	96	4	<b>HP696</b>
White	19" (483)	1.75" (45)	24	1	<b>HP624W</b>
		3.50" (89)	48	2	<b>HP648W</b>
		7.00" (178)	96	4	<b>HP696W</b>

Note: Versions without cable management bar available as HP624E and HP648E.

**NEXTSPEED® Category 6 Angled Patch Panels**

Color	Width Inches (mm)	Height Inches (mm)	Ports	Rack Units	Catalog No.
Black	19" (483)	1.75" (45)	24	1	<b>HP624A</b>
		3.50" (89)	48	2	<b>HP648A</b>

Note: HP6xxA angled panel protrudes 4.46" from the plane of the rack. Hubbell recommends one (1) extra inch of space between the door and panel angle.

**NEXTSPEED® Category 6 Component Surface Mount Panel**

Description	Catalog No.
12-port, Category 6, universal, 89D	<b>HP612</b>

**Rear Cable Management Bars**

Type	Description	Catalog No.
19" Rack Mount	Cable management bar and screws	<b>CMBR</b>
	Cable management bar, straight, with screws	<b>ECMBRS</b>
	Cable management bar, 3" with screws	<b>ECMBR3</b>
	Cable management bar, 6" with screws	<b>ECMBR6</b>
HPW Panel Mount	Cable management bar	<b>HPRCMB</b>

**Labels for NEXTSPEED® Ascent Category 6A Patch Panels**

Description	Catalog No.
Printable front, 6-port, 4800-pack	<b>HPLBL4800</b>

**Termination Caps**

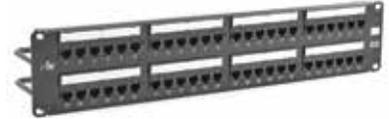
Description	Catalog No.
12-pack	<b>HPSC12</b>



24-Port Patch Panel  
HP5E24



24-Port Patch Panel, Angled  
HP5E24A



48-Port Patch Panel  
HP5E48

## NEXTSPEED® Category 5e Patch Panels

Color	Width Inches (mm)	Height Inches (mm)	Ports	Rack Units	Catalog No.
Black	19" (483)	1.75" (45)	24	1	<b>HP5E24</b>
		3.50" (89)	48	2	<b>HP5E48</b>
		7.00" (178)	96	4	<b>HP5E96</b>
White	19" (483)	1.75" (45)	24	1	<b>HP5E24W</b>
		3.50" (89)	48	2	<b>HP5E48W</b>
		7.00" (178)	96	4	<b>HP5E96W</b>

Note: Versions without cable management bar available as HP5E24E and HP5E48E.

## NEXTSPEED® Category 5e Angled Patch Panels

Color	Width Inches (mm)	Height Inches (mm)	Ports	Rack Units	Catalog No.
Black	19" (483)	1.75" (45)	24	1	<b>HP5E24A</b>
		3.50" (89)	48	2	<b>HP5E48A</b>

Note: HP5ExxA angled panel protrudes 4.46" from the plane of the rack. Hubbell recommends one (1) extra inch of space between the door and panel angle.

## Category 5e Component

Description	Catalog No.
12-port, Category 5e, universal, 89D	<b>HP5E12</b>

## Rear Cable Management Bars

Type	Description	Catalog No.
19" Rack Mount	Cable management bar and screws	<b>CMBR</b>
	Cable management bar, straight, with screws	<b>ECMBRS</b>
	Cable management bar, 3" with screws	<b>ECMBR3</b>
	Cable management bar, 6" with screws	<b>ECMBR6</b>
HPW Panel Mount	Cable management bar	<b>HPRCMB</b>

## Labels for NEXTSPEED® Ascent Category 6A Patch Panels

Description	Catalog No.
Printable front, 6-port, 4800-pack	<b>HPLBL4800</b>

## Termination Caps

Description	Catalog No.
12-pack	<b>HPSC12</b>



### Capacity

Ideal solution where rack space is at an absolute premium, add-as-you-go flexibility, mixed jack performance, and color-coding are desired.



### Durability

All metal rolled edge construction eliminates flex during termination.

### Specifications



- High density form factor saves space in the datacenter
- Fits all Hubbell HXJ and HJ jacks
- Opens up rack real-estate
- Color coding: jacks are available in 14 different color offerings for distinctive color-coding

### Specifications

- Panel material: 2-piece welded construction
- Durable, black powder coat finish

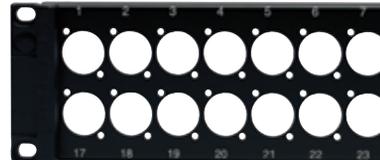
### Standards/Listings/Verifications

- Complies with CEA-310-E rack mount standard
- UL Listed 1863



### Keystone Design

Rear-loading Hubbell keystone feature simplifies installation, enables moves, adds and changes, and provides migration path.



### Hubbell Pro-Audio Design

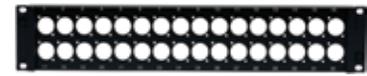
Allows for Pro-Audio style connections to be placed into a patch panel for easy access in racks and cabinets.



Super HD Patch Panel, Angled  
UDX48A1U



Front-Loading Patch Panel, Angled  
UDXAM48



Pro-AV Patch Panel, Flat  
PAV32

## UDX Super High-Density Panel

Type	Color	Width Inches (mm)	Height Inches (mm)	Ports	Rack Units	Catalog No.
Flat	Black	19" (483)	1.75" (45)	48	1	<b>UDX48E1U</b>
Angled	Black	19" (483)	1.75" (45)	48	1	<b>UDX48A1U</b>

Note: Only accepts HXJ/HJ6A jacks.

## UDX Multimedia Jack Panels, Unloaded

Type	Color	Width Inches (mm)	Height Inches (mm)	Ports	Rack Units	Catalog No.
Flat	Black	19" (483)	1.75" (45)	24	1	<b>UDX24E</b>
			3.50" (89)	36	1	<b>UDX36E</b>
			3.50" (89)	48	2	<b>UDX48E</b>
Angled	Black	19" (483)	1.75" (45)	24	1	<b>UDXA24</b>
			3.50" (89)	48	2	<b>UDXA48</b>
89D	Black	–	–	12	–	<b>UDX1289*</b>

\*Pre-mounted on an 89D bracket.

## Hubbell iSTATION Patch Panels, Front-Loading, Unloaded

Type	Opening Size	Width Inches (mm)	Height Inches (mm)	No. of Total Units	Catalog No.
Flat	1 Unit	19" (483)	1.75" (45)	8-1 Unit Modules	<b>UDXIS1U**</b>
	3 Units	19" (483)	3.50" (89)	24-1 Unit Modules	<b>UDXIS2U</b>
Angled	1 Unit	19" (483)	1.75" (45)	8-1 Unit Modules	<b>UDXAM16**</b>
	3 Units	19" (483)	3.50" (89)	24-1 Unit Modules	<b>UDXAM48</b>

\*\*Use only Hubbell iSTATION 1U modules. See Section C for a complete listing of Hubbell iSTATION modules.

## Pro-AV Panel Mount Patch Panels, Unloaded

Type	Opening Size	Width Inches (mm)	Height Inches (mm)	No. of Connectors	Catalog No.
Flat	Pro-AV	19" (483)	1U, 1.75" (45)	16	<b>PAV16</b>
			2U, 3.50" (89)	32	<b>PAV32</b>
Angled	Pro-AV	19" (483)	1U, 1.75" (45)	16	<b>PAVA16</b>
			2U, 3.50" (89)	32	<b>PAVA32</b>

Note: See page F12 for Pro-AV panel mount (XLR type) connector information.

## Angled Blank Panels and Cover

Type	Color	Width Inches (mm)	Height Inches (mm)	Ports	Rack Units	Catalog No.
Angled	Black	19" (483)	1.75" (45)	Blank	1	<b>ABP175</b>
			3.50" (89)	Blank	2	<b>ABP350</b>
Cover	Black	–	–	–	–	<b>APC</b>

## Shielded Patch Panels, Unloaded

Type	Color	Width Inches (mm)	Height Inches (mm)	Ports	Rack Units	Catalog No.
Flat	Black	19" (483)	1.75" (45)	24	1	<b>PSJ24BK2</b>
			3.50" (89)	48	2	<b>PSJ48BK2</b>
Angled	Black	19" (483)	1.75" (45)	24	1	<b>PSJ24AU2</b>
			3.50" (89)	48	2	<b>PSJ48AU2</b>

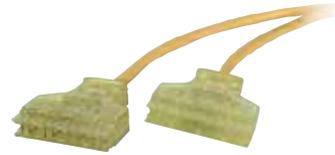
Note: Order jacks separately; see page B4 for a complete listing.



Field Termination Kit  
6110FTK64WL



Termination Tool  
6110MPPDT



Factory Terminated Patch Cords  
6110PCL3

## Field Termination Kits, 6-110

Description	Catalog No.
6-110/64-pair field termination kit with standoff legs	<b>6110FTK64WL</b>
6-110/64-pair field termination kit without standoff legs	<b>6110FTK64NL</b>
6-110/192-pair field termination kit with standoff legs	<b>6110FTK192WL</b>

## Termination Tool, 6-110/4-Pair

Description	Catalog No.
Termination tool, 4-pair, 6-110 (includes head and blades)	<b>6110MPPDT</b>
Replacement tool head, 6-110 (includes blades)	<b>6110MPPDT1</b>

*Note: 6-110 tool is not compatible with 1-punch termination tool.*

## Field Terminated Patch Plugs

Includes (1) patch plug base, (1) patch plug cover, and (1) cable tie

Description	Catalog No.
Category 6, 6-110, 4-pair, yellow	<b>6110FPP4PR</b>

## Factory Terminated Patch Cords

Color: Yellow		
Length	6-110 to 6-110	6-110 to RJ45 (T568B)
3'	<b>6110PCL3</b>	<b>6119PCL3</b>
5'	<b>6110PCL5</b>	<b>6119PCL5</b>
7'	<b>6110PCL7</b>	<b>6119PCL7</b>
9'	<b>6110PCL9</b>	<b>6119PCL9</b>
12'	<b>6110PCL12</b>	<b>6119PCL12</b>

## Connecting Blocks, 6-110/4-Pair

Description	Catalog No.
Connecting blocks, 6-110/4-pair	<b>6110CB4PR10</b>

## Hubbell Labeling Solutions, Cross Connect, 6-110/110

The Hubbell labeling solution 110 laser-printable label sheets and covers can be mounted between each wiring channel to identify individual station ports or pair counts.

Description	Color	Catalog No.
Laser-printable label sheets, 10-pack	White	<b>XPL11010W</b>
	Yellow	<b>XPL11010Y</b>
	Blue	<b>XPL11010B</b>



110 Wiring Blocks  
110BLKxxBWL



110/100-Pair, 4-Pair Blocks  
Field Termination Kit  
110BLK100FTK4



Field Termination Patch Plugs  
110FPP4PR

## Wiring Blocks, 110

With removable standoff legs

Description	Catalog No.
110/50-pair	<b>110BLK50BWL</b>
110/100-pair	<b>110BLK100BWL</b>
110/300-pair	<b>110BLK300BWL</b>

## Field Termination Kits, 110

Description	With	Catalog No.
110/50-pair	4-pair blocks	<b>110BLK50FTK4</b>
	5-pair blocks	<b>110BLK50FTK5</b>
110/100-pair	4-pair blocks	<b>110BLK100FTK4</b>
	5-pair blocks	<b>110BLK100FTK5</b>
110/300-pair	4-pair blocks	<b>110BLK300FTK4</b>
	5-pair blocks	<b>110BLK300FTK5</b>

## Termination Tool, 110/5-Pair

Designed to seat 110 connecting blocks and terminate and cut UTP cable on 110 wiring blocks

Description	Catalog No.
Termination tool, includes head and blades	<b>T5PPD110</b>

## Field Terminated Patch Plugs

Includes (1) patch plug base, (1) patch plug cover, (1) cable tie

Description	Catalog No.
Category 5e, 110, 4-pair, gray	<b>110FPP4PR</b>

## Factory Terminated Patch Cords

Color: Yellow

Length	110 to 110	110 to RJ45 (T568B)
3'	<b>PC110C5EL3</b>	<b>PC119C5EL3</b>
5'	<b>PC110C5EL5</b>	<b>PC119C5EL5</b>
7'	<b>PC110C5EL7</b>	<b>PC119C5EL7</b>
9'	<b>PC110C5EL9</b>	<b>PC119C5EL9</b>
12'	<b>PC110C5EL12</b>	<b>PC119C5EL12</b>

## Connecting Blocks, 110

110 connecting blocks are terminated to the 110 wiring blocks using the 110/5-pair termination tool; available in 4- and 5-pair sizes

Description	Catalog No.
110/4-pair, 10-pack	<b>110CB4PR10</b>
110/5-pair, 10-pack	<b>110CB5PR10</b>

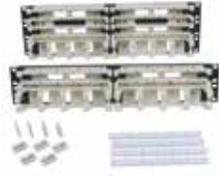
## Hubbell Labeling Solutions, Cross Connect, 6-110/110

The Hubbell labeling solution 110 laser-printable label sheets and covers can be mounted between each wiring channel to identify individual station ports or pair counts.

Description	Color	Catalog No.
Laser-printable label sheets, 10-pack	White	<b>XPL11010W</b>
	Yellow	<b>XPL11010Y</b>
	Blue	<b>XPL11010B</b>



Rack Mount Kit, 6-110  
6110RMI



Rack Mount Kit, 110  
110RMxx



Rack Mount Kit, 110  
110RMxxNT

## Rack Mount Kits, 6-110

### Category 6

Pairs	Rack Units	Troughs	Catalog No.
128-pair	3U	With	<b>6110RM1</b>
	2U	Without	<b>6110RM1NT</b>

## Rack Mount Kits, 110

### Category 5e, with cable management

Pairs	Rack Units	Connecting Blocks	Catalog No.
100-pair	2U	4-pair	<b>110RM14</b>
		5-pair	<b>110RM15</b>
200-pair	3U	4-pair	<b>110RM24</b>
		5-pair	<b>110RM25</b>

### Category 5e, without cable management

100-pair	1U	4-pair	<b>110RM14NT</b>
		5-pair	<b>110RM15NT</b>
200-pair	2U	4-pair	<b>110RM24NT</b>
		5-pair	<b>110RM25NT</b>



Cable Management Trough with Legs  
110TRA



Cable Management Trough without Legs  
110TRB

## Wall Mount Kits, 6-110/110

### Kit Contents/Quantities:

6-110 Kit	110 Kit	Item
1	1	Wall mount tower frame
1	1	Bottom cable trough
3	-	6-110/64-pair wiring blocks without legs
-	3	100-pair wiring blocks without legs
48	-	6-110/4-pair connecting blocks
-	60	110/4-pair connecting blocks
-	12	110/5-pair connecting blocks
3	3	Cable management troughs without legs
6	6	Clear label holders
6	6	White paper designation strips

### Category 6 Kit

Description	Catalog No.
6-110/192-pair	<b>6110WMK</b>

### Category 5e Kit

Description	Catalog No.
110/300-pair	<b>110WMK</b>

## Cable Management Troughs

Description	Catalog No.
With legs	<b>110TRA</b>
Without legs	<b>110TRB</b>



66M Modular 66  
HPW66M150



66B Modular 66  
HPW66B16



12-Port Block  
BR258066A



Backboard  
HPW66BB



89D Bracket  
HPW89D

## Modular 66 Cross Connect Blocks, 66M

Description	Block Size	Capacity	Catalog No.
66M block, Category 5 with cover	4 x 50	50-pair	<b>HPW66M150C5</b>
66M block	4 x 25	25-pair	<b>HPW66M125</b>
	4 x 50	50-pair	<b>HPW66M150</b>
66M cover	–	–	<b>HPW66MCVR</b>

## Modular 66 Cross Connect Blocks, 66B

Description	Block Size	Capacity	Catalog No.
66B block, split (3x), with cover	6 x 6	6-pair	<b>HPW66B36</b>
66B block cover for HPW66B 425 + 350	–	–	<b>HPW66BCVR</b>
66M block	6 x 12	6-pair	<b>HPW66B16</b>
66B block 25-pair, split (4x)	6 x 50	25-pair	<b>HPW66B425</b>
66B block 50-pair, split (4x)	6 x 50	50-pair	<b>HPW66B350</b>

## 12- and 16-Port Blocks

Description	Capacity	Wiring	Jack Openings	Catalog No.
Modular 66 block	50-pair	T568B	12-8 pos. jacks	<b>BR258066A</b>
		USOC-RJ25	16-6 pos. jacks	<b>BR256066A</b>

## Modular 66 Cross Connect Block Accessories

Description	Catalog No.
Cable routing spool without screw	<b>HPW66SPLA</b>
Cable routing spool with screw	<b>HPW66SPLB</b>
89B bracket (use to mount 66M series blocks)	<b>HPW89B</b>
89D bracket (use to mount 66M series blocks)	<b>HPW89D</b>
Backboard (blue, for 89D and 89B brackets); includes (2) 89B brackets as shown	<b>HPW66BB</b>
66B bracket (use to mount 66B series blocks)	<b>HPW66BBRKT</b>
Bridging clip (0.5" x 0.25"); 100-pack	<b>HPW66BC100</b>