

# SECTION Y

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Jacks and Connectors



AV In-Wall Enclosure and HDMI Products



Modular Snap Fit Jacks and Molded-In Voice/Data/Video



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## Products at a Glance



### Jacks and Connectors

- NEXTSPEED® Category 6 system is designed to deliver headroom beyond 500 MHz
- Category 5e supports 10/100/1000BASE-T applications with usable bandwidth of 190 MHz in the channel
- F-Type connectors distribute high quality video signal to the workstation
- RCA connectors distribute component and composite audio and video signals from device to device



### Modular Snap Fit Jacks

- Customize the jack selections and look
- Quick and secure snap-in design
- Hi impact-resistant thermoplastic frame
- Audio/Video connectors are available in standard bulkhead or recessed



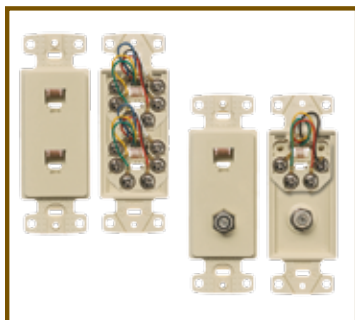
### In-Wall AV Delivery and HDMI Products

- 18 Gauge white powder coated rugged steel base
- 2-Gang enclosure with two 1½ and 1¼ inch KOs
- Stud or sheetrock mounting integrated
- Supplied ABS trim ring quickly cleans up sheetrock rough-in
- Optional screw on cover reduces tampering
- cULus 1863 Listed



### Patch Panels and Wall Mount Brackets

- Zero-crosstalk contact structure provides the highest performance while maintaining true balance
- Rear cable manager bars maintain termination integrity
- Integrated port and panel labeling, as well as port icon attachment
- Labeling, termination and aesthetics shared across all performance categories, sizes and configurations



### Molded-In Voice/Data/Video

- Decorator frames provide a stylized look for that finishing touch
- Elongated strap for better wall box mounting
- High impact-resistant thermoplastic frame
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified



### Network Enclosures

- Flush or surface mount enclosure (hardware provided)
- Hinged cover can be mounted to swing from either side
- Integral trim ring hides rough-in hole in sheet rock providing a finished appearance
- Horizontal and vertical module mounting holes for maximum flexibility



### Network and Audio/Video Modules

- netSELECT® modular components enable the designer to select performance requirements specifically for the application
- Modules snap horizontally or vertically into the enclosures for maximum flexibility and optimum space usage
- netSELECT® video modules support bidirectional signal by splitting to 4, 6, or 8 separate work areas

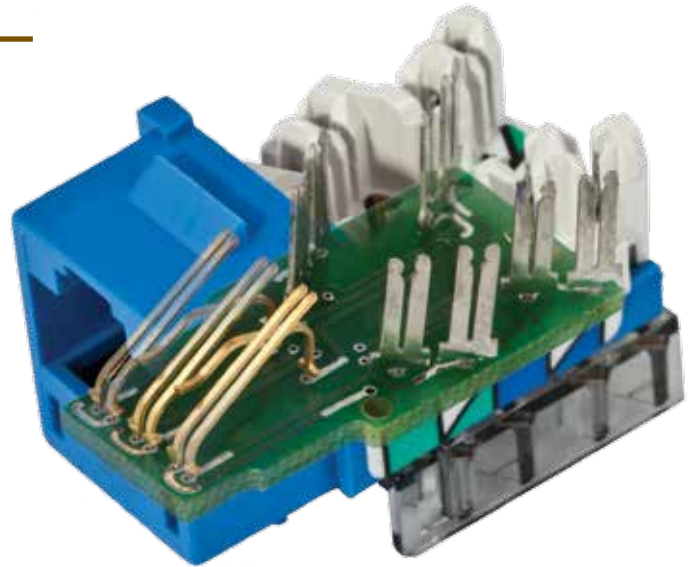
## Features and Benefits

### Hubbell Xcelerator Jacks, Category 6, 5e and USOC

The NEXTSPEED® Category 6 system is designed to deliver headroom beyond 500 MHz for dependable Multi-gigabit Ethernet applications. NEXTSPEED's extended bandwidth provides reliability with zero bit error rate performance for today's high speed digital communications. The Category 5e supports 10/100/1000BASE-T applications with usable bandwidth of 190 MHz in the channel.

Hubbell's work area solutions and modular connectivity have many innovative features that integrate into a wide range of Hubbell products—floor boxes, patch panels, conference table boxes, fire-rated poke-throughs and wallplates.

- TIA-568.2-D Category 6 component
- IEC 60603-7-4 Category 6 component
- Qualified to 150% of IEEE 802.3bt current level
- IEEE 802.3an 10GBASE-T

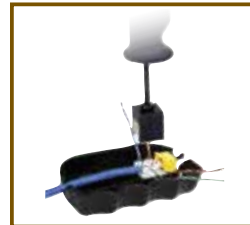


HXJ6B



#### Housing Design

- One-piece, engineered thermoplastic housing is impact-resistant for heavy-duty industrial environments
- Blades are recessed for protection against bending and breaking
- Closure cap is included for environmental seal when device is not in use



#### Labor Savings

- Exclusive 1-Punch Tool, terminates within seconds



#### Universal Wiring

- Two distinct labels eliminate wiring confusion, T568B or T568A



#### IDC Lacing

- IDC towers have a blade feature to assist pair splitting during termination



#### Specifications

- Mating cycles: 2500
- Manufacturing: 100% factory tested

## Enterprise Grade Jacks



### NEXTSPEED® Category 6 Jacks

Color	Single Pack	25-Pack
Black	HXJ6BK	HXJ6BK25
Blue	HXJ6B	HXJ6B25
Electric Ivory	HXJ6EI	HXJ6EI25
Gold	-	HXJ6GL25
Gray	HXJ6GY	HXJ6GY25
Green	HXJ6GN	HXJ6GN25
Office White	HXJ6OW	HXJ6OW25
Orange	HXJ6OR	HXJ6OR25
Purple	-	HXJ6P25
Red	HXJ6R	HXJ6R25
White	HXJ6W	HXJ6W25
Yellow	HXJ6Y	HXJ6Y25

### NEXTSPEED® Category 5e Jacks

Single Pack	25-Pack
HXJ5EBK	HXJ5EBK25
HXJ5EB	HXJ5EB25
HXJ5EEI	HXJ5EEI25
-	HXJ5EGL25
HXJ5EGY	HXJ5EGY25
HXJ5EGN	HXJ5EGN25
HXJ5EOW	HXJ5EOW25
HXJ5EOR	HXJ5EOR25
-	HXJ5EP25
HXJ5ER	HXJ5ER25
HXJ5EW	HXJ5EW25
HXJ5EY	HXJ5EY25

### USOC Jacks, RJ-25

Single Pack
HXJUBK
HXJUB
HXJUEI
-
HXJUGY
HXJUGN
HXJUOW
HXJUOR
-
HXJUR
HXJUW
HXJUY

Note: Also available in 100 packs.



## netSELECT® Jacks

Color	Category 6 Jack		Category 5e Jack		USOC Jack (single)
	(single)	(25 pack)	(single)	(25 pack)	
Black	NSJ6BK	NSJ6BK25	NSJ5EBK	NSJ5EBK25	NSJUBK
Blue	NSJ6B	NSJ6B25	NSJ5EB	NSJ5EB25	NSJUB
Gray	NSJ6GY	NSJ6GY25	NSJ5EGY	NSJ5EGY25	NSJUGY
Green	NSJ6GN	NSJ6GN25	NSJ5EGN	NSJ5EGN25	NSJUGN
Ivory	NSJ6I	NSJ6I25	NSJ5EI	NSJ5EI25	NSJUI
Light Almond	NSJ6LA	NSJ6LA25	NSJ5ELA	NSJ5ELA25	NSJULA
Orange	NSJ6OR	NSJ6OR25	NSJ5EOR	NSJ5EOR25	NSJUOR
Red	NSJ6R	NSJ6R25	NSJ5ER	NSJ5ER25	NSJUR
White	NSJ6W	NSJ6W25	NSJ5EW	NSJ5EW25	NSJUW
Yellow	NSJ6Y	NSJ6Y25	NSJ5EY	NSJ5EY25	NSJUY



### Jack Icons, XJ Series

100-Pack, snaps onto jack nose



Color	Blank Catalog Number	Computer Catalog Number	Telephone Catalog Number
Black	IBK100	IBK100C	IBK100T
Blue	IB100	IB100C	IB100T
Brown	IBN100	IBN100C	IBN100T
Electric Ivory	IEI100	IEI100C	IEI100T
Gray	IGY100	IGY100C	IGY100T
Green	IGN100	IGN100C	IGN100T
Orange	IOR100	IOR100C	IOR100T
Purple	IP100	IP100C	IP100T
Red	IR100	IR100C	IR100T
White	IW100	IW100C	IW100T
Yellow	IY100	IY100C	IY100T

Note: Cannot be used with SJ jack series.

Custom Icon numbering and labeling available. Contact Customer Service for details.



### SecureIT™ RJ-45 Port Blocker

Description	Catalog Number
Locking RJ-45 port blocker	<b>RJ45PB50</b>

Note: Fits any RJ-45 port.



### Jack Dust Covers, XJ Series

Description	Catalog Number
Polypropylene, clear, 25-pack	<b>HXJDC25</b>

Note: Mounts within the icon slots located above the RJ45 opening. Cannot be used with SJ jack series.

## Digital AV Connections



### RJ-45 Couplers

Female to female couplers

Housing Color	Category 6, Pass-Thru	Category 5e, Pass-Thru	Category 5e, Cross Over 10/100BASE-T	Category 6, Shielded Pass-Thru
Black	<b>SFC6BK</b>	<b>SFC5EBK</b>	-	Lead free
Gray	-	-	<b>SF5ECOBY</b>	tinned shield
White	<b>SFC6W</b>	<b>SFC5EW</b>	-	<b>SFSC6</b>



### USB Connectors

Pass-thru, female to female couplers

Housing Color	USB 3.0, A to A	USB 3.0, A to B	USB 2.0, A to A	USB 2.0, A to B
Black	<b>SFUSBAA3BK</b>	<b>SFUSBAB3BK</b>	-	-
Blue	-	-	<b>SFUSBAAB</b>	<b>SFUSBABB</b>
Office White	-	-	<b>SFUSBAAOW</b>	<b>SFUSBABOW</b>
White	-	-	<b>SFUSBAAW</b>	<b>SFUSBABW</b>



### HDMI Connectors for IMB and ISFB Series

Color	HDMI Feed-Thru	HDMI Feed-Thru Coupler	HDMI Feed-Thru 3-Inch Tail
Black	<b>SFHC14BK</b>	<b>HDMIC14</b>	<b>HDMIT14</b>
White	<b>SFHC14W</b>	-	-

### HDMI Decorator Frames

Color	1-Port	2-Port
Black	<b>NS801BK</b>	<b>NS802BK</b>
Gray	<b>NS801GY</b>	<b>NS802GY</b>
Ivory	<b>NS801I</b>	<b>NS802I</b>
Light Almond	<b>NS801LA</b>	<b>NS802LA</b>
White	<b>NS801W</b>	<b>NS802W</b>



### HDMI Non-Active Horizontal Patch Cords

Black, non-plenum, #24 AWG

Length (ft)	HDMI Device Patch Cords	In-Wall Cords (Male w/ Screw to Male w/ Screw)	Patch Cords (Male to Male w/ Secure Screw)	Coupler Cords (Male to Female)
3	<b>HDPC03BK</b>	-	-	-
6	<b>HDPC06BK</b>	-	-	-
10	-	<b>HDH10BK</b>	<b>HDL10BK</b>	<b>HDC10BK</b>
15	-	<b>HDH15BK</b>	<b>HDL15BK</b>	<b>HDC15BK</b>
20	-	<b>HDH20BK</b>	<b>HDL20BK</b>	<b>HDC20BK</b>
25	-	<b>HDH25BK</b>	<b>HDL25BK</b>	<b>HDC25BK</b>
30	-	<b>HDH30BK</b>	<b>HDL30BK</b>	<b>HDC30BK</b>

## Video Connections



### F-Type Connectors

Pass-thru, F/F coupler

Color	Nickel		Gold			
	2GHz	netSELECT F-Type Coupler Bulkhead, Female to Female	3GHz	2GHz	Recessed	RCA to F-Connector
Almond	<b>SFFALX</b>	–	<b>SFF3GAL</b>	<b>SFFGAL</b>	–	–
Black	<b>SFFBX</b>	<b>NSF70BK</b>	<b>SFF3GBK</b>	<b>SFFGBK</b>	<b>SFGRFBK</b>	<b>SFRFGBK</b>
Gray	<b>SFFGX</b>	<b>NSF70GY</b>	<b>SFF3GGY</b>	<b>SFFGGY</b>	<b>SFGRFGY</b>	<b>SFRFGGY</b>
Ivory	<b>SFFEX</b>	<b>NSF70I</b>	<b>SFF3GEI</b>	<b>SFFGEI</b>	<b>SFGRFEI</b>	<b>SFRFGEI</b>
Office White	<b>SFFX</b>	<b>NSF70LA</b>	<b>SFF3GOW</b>	<b>SFFGOW</b>	<b>SFGRFOW</b>	<b>SFRFGOW</b>
White	<b>SFFWX</b>	<b>NSF70W</b>	<b>SFF3GW</b>	<b>SFFGW</b>	<b>SFGRFW</b>	<b>SFRFGW</b>

### F-Connector Plugs

25-pack

Termination Type	Cable Type	Catalog Number.
Compression	RG6	<b>FRG625</b>



### Blank Connectors

10-pack

Color	Blank Connector	Smooth Blank Connector
Almond	<b>SFBAL10</b>	<b>SFSBAL10</b>
Black	<b>SFB10</b>	<b>SFSBBK10</b>
Gray	<b>SFBG10</b>	<b>SFSBGY10</b>
Ivory	<b>SFBE10</b>	<b>SFSBEI10</b>
Light Almond	–	<b>SFSBLA10</b>
Office White	<b>SFB10</b>	–
White	<b>SFBW10</b>	<b>SFSBW10</b>



### Screw Terminal

	HD 9-Pin	HD 15-Pin	HD 15-Pin, Front Mount
10-Pack	<b>9ST10</b>	<b>15ST10</b>	<b>SF15ST</b>



### Gender Changers

Female to female couplers

	15-Pin, 90°	HD 9-Pin	HD 15-Pin
Single Pack	<b>15901</b>	–	–
10-Pack	–	<b>9GC10</b>	<b>15GC10</b>

### S-Video Connectors

Transmits video information over a cable by dividing the signal into two separate signals (chrominance) for color and (luminance) for brightness. Applications include cable, satellite, DVD, camera, camcorder, projector, home theater, entertainment systems, security, and surveillance.



Color	S-Video 110 Punch-Down	S-Video F/F Coupler
Black	<b>SFSV110BK</b>	<b>SFSVBK</b>

## AV Connections



### RCA Connectors, Solder Termination

Housing Color	Insulator Color						
	Black	Blue	Green	Orange	Red	White	Yellow
Almond	-	SFRCBAL	SFRCGNAL	SFRCORAL	SFRCRAL	SFRCWAL	SFRCYAL
Black	SFRCBKBK	SFRCBBK	SFRCGNBK	SFRCORBK	SFRCRBK	SFRCWBK	SFRCYBK
Gray	SFRCBKGY	SFRCBGY	SFRCNGY	SFRCORGY	SFRCRGY	SFRCWGY	SFRCYGY
Ivory	SFRCBEI	SFRCBEI	SFRCGNEI	SFRCOREI	SFRCREI	SFRCWEI	SFRCYEI
Office White	-	SFRCBOW	SFRCGNOW	SFRCOROW	SFRCROW	SFRCW	SFRCY
White	SFRCBKW	SFRCBW	SFRCGNW	SFRCORW	SFRCRW	SFRCWW	SFRCYW



### RCA Connectors, Pass-Thru, Recessed

Housing Color	Insulator Color						
	Black	Blue	Green	Orange	Red	White	Yellow
Almond	SFRCBKRAL	SFRCBRAL	SFRCGNRAL	SFRCORRAL	SFRCRRAL	SFRCWRAL	SFRCYRAL
Black	SFRCBKBK	SFRCBRBK	SFRCGNRBK	SFRCORRBK	SFRCRRBK	SFRCWRBK	SFRCYRBK
Gray	SFRCBKRGY	SFRCBRGY	SFRCGNRGY	SFRCORRGY	SFRCRRGY	SFRCWRGY	SFRCYRGY
Ivory	SFRCBKREI	SFRCBREI	SFRCGNREI	SFRCORREI	SFRCRREI	SFRCWREI	SFRCYREI
Office White	SFRCBKROW	SFRCBROW	SFRCGNROW	SFRCORROW	SFRCRROW	SFRCWROW	SFRCYROW
White	SFRCBKRW	SFRCBRW	SFRCGNRW	SFRCORRW	SFRCRRW	SFRCWRW	SFRCYRW



### RCA Connectors, Pass-Thru, Gold, Female to Female Coupler

Housing Color	Insulator Color						
	Black	Blue	Green	Orange	Red	White	Yellow
Almond	SFRCBKFFAL	SFRCBFFAL	SFRCGNFFAL	SFRCORFFAL	SFRCRFFAL	SFRCWFFAL	SFRCYFFAL
Black	SFRCBKFFBK	SFRCBFFBK	SFRCGNFFBK	SFRCORFFBK	SFRCRFFBK	SFRCWFFBK	SFRCYFFBK
Gray	SFRCBKFFGY	SFRCBFFGY	SFRCGNFFGY	SFRCORFFGY	SFRCRFFGY	SFRCWFFGY	SFRCYFFGY
Ivory	SFRCBKFFEI	SFRCBFFEI	SFRCGNFFEI	SFRCORFFEI	SFRCRFFEI	SFRCWFFEI	SFRCYFFEI
Office White	SFRCBKFF	SFRCBFFOW	SFRCGNFFOW	SFRCORFFOW	SFRCRFF	SFRCWFF	SFRCYFF
White	SFRCBKFFW	SFRCBFFW	SFRCGNFFW	SFRCORFFW	SFRCRFFW	SFRCWFFW	SFRCYFFW

## Audio Connections



### 3.5mm Stereo Jacks

Color	3.5mm to Solder	3.5mm to Screw Terminal	3.5mm Pass-Thru, F/F Coupler	3.5mm Pass-Thru, Gold, F/F Coupler
Almond	<b>SF35SJAL</b>	<b>SF35STAL</b>	<b>SF35FFAL</b>	<b>SF35GFFAL</b>
Black	<b>SF35SJBK</b>	<b>SF35STBK</b>	<b>SF35FFBK</b>	<b>SF35GFFBK</b>
Gray	<b>SF35SJGY</b>	<b>SF35STGY</b>	<b>SF35FFGY</b>	<b>SF35GFFGY</b>
Ivory	<b>SF35SJEI</b>	<b>SF35STEI</b>	<b>SF35FFEI</b>	<b>SF35GFFEI</b>
Office White	<b>SF35SJ</b>	<b>SF35STOW</b>	<b>SF35FFOW</b>	<b>SF35GFFOW</b>
White	<b>SF35SJW</b>	<b>SF35STW</b>	<b>SF35FFW</b>	<b>SF35GFFW</b>



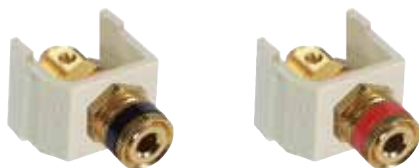
### 1/4" Stereo Jack

Solder	Catalog Number
Almond	<b>SF14SJAL</b>
Black	<b>SF14SJBK</b>
Gray	<b>SF14SJGY</b>
Ivory	<b>SF14SJEI</b>
Office White	<b>SF14SJOW</b>
White	<b>SF14SJW</b>



### BNC Connectors

Color	Nickel Finish	Gold Finish
Black	<b>SFBBK</b>	<b>SFBGBK</b>
Gray	<b>SFBGY</b>	<b>SFBGGY</b>
Ivory	<b>SFBEI</b>	<b>SFBGEI</b>
Light Almond	<b>SFBLA</b>	<b>SFBGLA</b>
Office White	<b>SFBOW</b>	<b>SFBGOW</b>
White	<b>SFBW</b>	<b>SFBGW</b>



### Speaker Post Connectors

Color	Black	Red
Almond	<b>SFSPGBKAL</b>	<b>SFSPGRAL</b>
Black	<b>SFSPGBKBK</b>	<b>SFSPGRBK</b>
Gray	<b>SFSPGBKGY</b>	<b>SFSPGRGY</b>
Ivory	<b>SFSPGBKEI</b>	<b>SFSPGREI</b>
Office White	<b>SFSPGBK</b>	<b>SFSPGR</b>
White	<b>SFSPGBKW</b>	<b>SFSPGRW</b>



### Speaker Banana Plugs

Color	Black	Red
10-pack	<b>SPPBK10</b>	<b>SPPR10</b>



### 3.5mm to 110 Termination Stereo Jacks

Color	3.5mm to 110 Termination
Black	<b>SF35110BK</b>



### RCA Connectors, 110 Punch-Down

Extend up to 75ft (23m) over single 4-pair UTP cable; housing color is black

Insulator Color	Catalog Number
Blue	<b>SFRC110B</b>
Green	<b>SFRC110GN</b>
Red	<b>SFRC110R</b>
White	<b>SFRC110W</b>
Yellow	<b>SFRC110Y</b>



# Network Wiring and netSELECT® Products

## Hubbell iSTATION Wallplates

### IFP Wallplates with Label Fields, 1 and 2-Gang



Color	1-Gang				2-Gang			
	1-Port	2-Port	3-Port	4-Port	6-Port	6-Port	9-Port	12-Port
Almond	IFP11AL	IFP12AL	IFP13AL	IFP14AL	IFP16AL	IFP26AL	-	-
Black	IFP11BK	IFP12BK	IFP13BK	IFP14BK	IFP16BK	IFP26BK	IFP29BK	IFP212BK
Gray	IFP11GY	IFP12GY	IFP13GY	IFP14GY	IFP16GY	IFP26GY	IFP29GY	IFP212GY
Ivory	IFP11EI	IFP12EI	IFP13EI	IFP14EI	IFP16EI	IFP26EI	IFP29EI	IFP212EI
Light Almond*	IFP11LA	IFP12LA	IFP13LA	IFP14LA	IFP16LA	IFP26LA	IFP29LA	IFP212LA
Office White	IFP11OW	IFP12OW	IFP13OW	IFP14OW	IFP16OW	IFP26OW	IFP29OW	IFP212OW
White	IFP11W	IFP12W	IFP13W	IFP14W	IFP16W	IFP26W	IFP29W	IFP212W

Note: \*Light Almond wallplates match Office White non-metallic raceway, boxes, jacks and connectors.

### Multimedia Nylon Wallplates, 1-Gang



Color	1-Gang				
	1-Port	2-Port	3-Port	4-Port	6-Port
Black	NSP11BK	NSP12BK	NSP13BK	NSP14BK	NSP16BK
Gray	NSP11GY	NSP12GY	NSP13GY	NSP14GY	NSP16GY
Ivory	NSP11I	NSP12I	NSP13I	NSP14I	NSP16I
Light Almond	NSP11LA	NSP12LA	NSP13LA	NSP14LA	NSP16LA
White	NSP11W	NSP12W	NSP13W	NSP14W	NSP16W

### Stainless Steel Wallplates without Label Fields, 1 and 2-Gang



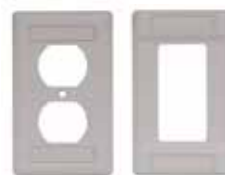
Catalog Number	1-Gang				2-Gang				
	1-Port	2-Port	3-Port	4-Port	6-Port	4-Port	6-Port	9-Port	12-Port
SSF11	SSF12	SSF13	SSF14	SSF16	SSF204	SSF206	SSF209	SSF212	

### Stainless Steel Wallplates with Label Fields



1-Gang	Catalog Number
1-Port	SSFL11
2-Port	SSFL12
3-Port	SSFL13
4-Port	SSFL14
6-Port	SSFL16

### Duplex and Decorator Wallplates with Label Fields



Color	Duplex Wallplate	Decorator Wallplate
Almond	IFP18AL	IFP126AL
Office White	IFP18OW	IFP126OW

### Stainless Steel Wall Mount Phone Plates, 1-Gang

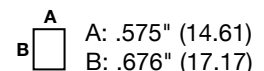
630 Stainless steel, 1-gang wall phone plate.



SPUF SPUR

Jack Format	Includes Gray Jack	Catalog Number
Flush	6-position USOC, RJ25	SPUF
Flush	8-position Cat. 5e, RJ45	SP5EF
Flush	8-position Cat. 6, RJ45	SP6F
Recessed	6-position USOC, RJ25	SPUR
Recessed	8-position Cat. 5e, RJ45	SP5ER
Recessed	8-position Cat. 6, RJ45	SP6R

**Opening**  
Hole size for mounting  
all Hubbell Jacks.



# Network Wiring and netSELECT® Products

## Hubbell iSTATION Outlet Frames and Secure-IT Plates

### Decorator Frames, Unloaded



Color	1-Gang, 1-Port	1-Gang, 2-Port	1-Gang, 3-Port	1-Gang, 4-Port	1-Gang, 6-Port	1-Gang, Adapter .406" (10.30 Dia. Hole*	1-Gang, Adapter Blank**
Black	<b>NS611BK</b>	<b>NS612BK</b>	<b>NS613BK</b>	<b>NS614BK</b>	<b>NS616BK</b>	—	<b>NS620BK</b>
Gray	<b>NS611GY</b>	<b>NS612GY</b>	<b>NS613GY</b>	<b>NS614GY</b>	<b>NS616GY</b>	—	<b>NS620GY</b>
Ivory	<b>NS611I</b>	<b>NS612I</b>	<b>NS613I</b>	<b>NS614I</b>	<b>NS616I</b>	<b>NS621I</b>	<b>NS620I</b>
Light Almond	<b>NS611LA</b>	<b>NS612LA</b>	<b>NS613LA</b>	<b>NS614LA</b>	<b>NS616LA</b>	<b>NS621LA</b>	<b>NS620LA</b>
White	<b>NS611W</b>	<b>NS612W</b>	<b>NS613W</b>	<b>NS614W</b>	<b>NS616W</b>	<b>NS621W</b>	<b>NS620W</b>

Note: \*For use with rotary dimmers or to pull through AV or telephone cable.

\*\*To fill an extra decorator opening or to create customized openings.

### Decorator HD15/9-Pin or HDMI Frames, Unloaded



Color	HD15/9 or HDMI	(2) HD15/9 or HDMI	(1) Recessed HD15/9 or HDMI
Almond	<b>ISFB15AL</b>	<b>ISFB215AL</b>	<b>ISFBR15AL</b>
Black	<b>ISFB15BK</b>	<b>ISFB215BK</b>	<b>ISFBR15BK</b>
Gray	<b>ISFB15GY</b>	<b>ISFB215GY</b>	<b>ISFBR15GY</b>
Ivory	<b>ISFB15EI</b>	<b>ISFB215EI</b>	<b>ISFBR15EI</b>
Light Almond*	<b>ISFB15LA</b>	<b>ISFB215LA</b>	<b>ISFBR15LA</b>
Office White	<b>ISFB15OW</b>	<b>ISFB215OW</b>	<b>ISFBR15OW</b>
White	<b>ISFB15W</b>	<b>ISFB215W</b>	<b>ISFBR15W</b>

Note: \*Light Almond frames match Office White non-metallic raceway, boxes, jacks and connectors.

### Duplex Outlet Frames, Unloaded



Color	2-Port	4-Port
Almond	<b>BR106AL</b>	<b>Q106AL</b>
Black	<b>BR106B</b>	<b>Q106B</b>
Gray	<b>BR106G</b>	<b>Q106G</b>
Ivory	<b>BR106E</b>	<b>Q106E</b>
Office White	<b>BR106C</b>	<b>Q106O</b>
White	<b>BR106W</b>	<b>Q106W</b>

### Secure-IT Plates



Secure-IT Plates protect mated and unmated connections from physical damage and unauthorized tampering. Available in Tamper-Resistant and Weatherproof versions.



TPF1W

#### Tamper-Resistant Plates

Color	1-Gang/4-Port
Black	<b>TPF1BK</b>
Gray	<b>TPF1GY</b>
Office White	<b>TPF1OW</b>
White	<b>TPF1W</b>



TWPF1GY

#### NEMA 3R Weatherproof Plates

Color	1-Gang/4-Port
Gray	<b>TWPF1GY</b>

# Network Wiring and netSELECT® Products

## AV 110 Everywhere™ Analog AV Over UTP

### Tamper-Resistant Receptacle with 5V DC Power Output

Description	Color	Catalog Number
USB charger	Black	<b>AVPS15BK</b>
TR receptacle,	Ivory	<b>AVPS15I</b>
(1) USB port 3A,	Gray	<b>AVPS15GY</b>
switched 5V DC output,	Office White	<b>AVPS15LA</b>
15A, 125V AC	White	<b>AVPS15W</b>
decorator duplex		



### USB 2.0 High Speed 110 Extenders, 100ft

Description	Color	1.5 Unit Module
4-pair UTP cable	Black	<b>IMU11015BK</b>
installation, up to	Ivory	<b>IMU11015EI</b>
100ft (305m)	Gray	<b>IMU11015GY</b>
	Office White	<b>IMU11015OW</b>
	White	<b>IMU11015W</b>

Note: Product consists of send and receive pair.



### HDMI 1080P 110 UTP Extenders

(2) 4-pair UTP cable installation, 5V DC, up to 147ft (45m)

Color	Decorator	2 Unit Module
Black	<b>ISFH110BK</b>	<b>IMH110ST2BK</b>
Ivory	<b>ISFH110EI</b>	<b>IMH110ST2EI</b>
Gray	<b>ISFH110GY</b>	<b>IMH110ST2GY</b>
Office White	<b>ISFH110OW</b>	<b>IMH110ST2OW</b>
White	<b>ISFH110W</b>	<b>IMH110ST2W</b>

Note: Product consists of send and receive pair.



### VGA and 3.5mm HD AV Extender

Extend up to 75ft (23m) over two 4-pair UTP cables, 1.5 unit

Color	Catalog Number
Black	<b>IM15311015BK</b>
Gray	<b>IM15311015GY</b>
Ivory	<b>IM15311015EI</b>
Office White	<b>IM15311015OW</b>
White	<b>IM15311015W</b>

Note: Product consists of send and receive pair.



### RCA Component with Audio 110 Audio/Video Modules

Extend up to 75ft (23m) over (2) 4-pair UTP cables, 1.5 unit

Color	RCA Component Video, Left/Right Audio	RCA Component Video, 3.5mm Audio
Black	<b>IMCAR11015BK</b>	<b>IMC3511015BK</b>
Gray	<b>IMCAR11015GY</b>	<b>IMC3511015GY</b>
Ivory	<b>IMCAR11015EI</b>	<b>IMC3511015EI</b>
Office White	<b>IMCAR11015OW</b>	<b>IMC3511015OW</b>
White	<b>IMCAR11015W</b>	<b>IMC3511015W</b>



### RCA 110 Audio/Video Modules

Extend up to 100ft (30.5m) over (1) 4-pair UTP cables, 1 unit

Color	75ft (23m) max.	100ft (30.5m) max.	
	RCA Component Video, HD	RCA Composite Video, Left/Right Audio	RCA Left/Right Audio
Black	<b>IMCR1101BK</b>	<b>IMR1101BK</b>	<b>IMAR1101BK</b>
Gray	<b>IMCR1101GY</b>	<b>IMR1101GY</b>	<b>IMAR1101GY</b>
Ivory	<b>IMCR1101EI</b>	<b>IMR1101EI</b>	<b>IMAR1101EI</b>
Office White	<b>IMCR1101OW</b>	<b>IMR1101OW</b>	<b>IMAR1101OW</b>
White	<b>IMCR1101W</b>	<b>IMR1101W</b>	<b>IMAR1101W</b>

## AV Modules



### Solder Audio/Video Modules

	1.5 Unit	1 Unit		
Color	RCA Component Video with Left/Right Audio or RGBHV	RCA Component Video	RCA Composite Video with Left/Right Audio	RCA Composite Video, 3.5mm Stereo Audio Jack
Black	<b>IMCRS15BK</b>	<b>IMCRS1BK</b>	<b>IM3RS1BK</b>	<b>IMRSJ1BK</b>
Gray	<b>IMCRS15GY</b>	<b>IMCRS1GY</b>	<b>IM3RS1GY</b>	<b>IMRSJ1GY</b>
Ivory	<b>IMCRS15EI</b>	<b>IMCRS1EI</b>	<b>IM3RS1EI</b>	<b>IMRSJ1EI</b>
Office White	<b>IMCRS15OW</b>	<b>IMCRS1OW</b>	<b>IM3RS1OW</b>	<b>IMRSJ1OW</b>
White	<b>IMCRS15W</b>	<b>IMCRS1W</b>	<b>IM3RS1W</b>	<b>IMRSJ1W</b>



### Gold Pass-Through Audio/Video Modules

	Female to female coupler, 1 unit			Speaker post
Color	RCA Component Video	RCA Composite Video with Left/Right Audio	RCA Left/Right Audio with 3.5mm Stereo Audio Jack	Black and Red, Screw Termination
Black	<b>IMCRF1BK</b>	<b>IM3RF1BK</b>	<b>IM35AR1BK</b>	<b>IMSP1BK</b>
Gray	<b>IMCRF1GY</b>	<b>IM3RF1GY</b>	<b>IM35AR1GY</b>	<b>IMSP1GY</b>
Ivory	<b>IMCRF1EI</b>	<b>IM3RF1EI</b>	<b>IM35AR1EI</b>	<b>IMSP1EI</b>
Office White	<b>IMCRF1OW</b>	<b>IM3RF1OW</b>	<b>IM35AR1OW</b>	<b>IMSP1OW</b>
White	<b>IMCRF1W</b>	<b>IM3RF1W</b>	<b>IM35AR1W</b>	<b>IMSP1W</b>



### Speaker Banana Plugs

	Screw termination, gold	
	Black	Red
10-pack	<b>SPPBK10</b>	<b>SPPR10</b>

## Wallplate Frames, Delivery Bezels, Modules and Gangable AV Wallboxes



### Hubbell iSTATION Modular Wallplate Frames

Single-service, low voltage

Color	1-Gang	2-Gang	3-Gang	4-Gang
Black	<b>IMF1BK</b>	<b>IMF2BK</b>	<b>IMF3BK</b>	<b>IMF4BK</b>
Gray	<b>IMF1GY</b>	<b>IMF2GY</b>	<b>IMF3GY</b>	<b>IMF4GY</b>
Ivory	<b>IMF1EI</b>	<b>IMF2EI</b>	<b>IMF3EI</b>	<b>IMF4EI</b>
Office White	<b>IMF1OW</b>	<b>IMF2OW</b>	<b>IMF3OW</b>	<b>IMF4OW</b>
White	<b>IMF1W</b>	<b>IMF2W</b>	<b>IMF3W</b>	<b>IMF4W</b>

Multi-service, power and low voltage

Color	1-Gang Decorator 1-Gang iSTATION	2-Gang Decorator	1-Gang Decorator 2-Gang iSTATION	1-Gang Decorator 3-Gang iSTATION	2-Gang Decorator 2-Gang iSTATION
Black	<b>IMFP1D1BK</b>	<b>IMFP2BK</b>	<b>IMFP1D2BK</b>	<b>IMFP1D3BK</b>	<b>IMFP2D2BK</b>
Gray	<b>IMFP1D1GY</b>	<b>IMFP2GY</b>	<b>IMFP1D2GY</b>	<b>IMFP1D3GY</b>	<b>IMFP2D2GY</b>
Ivory	<b>IMFP1D1EI</b>	<b>IMFP2EI</b>	<b>IMFP1D2EI</b>	<b>IMFP1D3EI</b>	<b>IMFP2D2EI</b>
Office White	<b>IMFP1D1OW</b>	<b>IMFP2OW</b>	<b>IMFP1D2OW</b>	<b>IMFP1D3OW</b>	<b>IMFP2D2OW</b>
White	<b>IMFP1D1W</b>	<b>IMFP2W</b>	<b>IMFP1D2W</b>	<b>IMFP1D3W</b>	<b>IMFP2D2W</b>

### Hubbell iSTATION Stainless Steel Plates

1-Gang	2-Gang	3-Gang	4-Gang
<b>IMSS1</b>	<b>IMSS2</b>	<b>IMSS3</b>	<b>IMSS4</b>



### Delivery Bezels and Modules

Color	Raceway Bezel	Hubbell iSTATION Bezel for Third-Party Raceway	Furniture Boxes
Black	-	-	<b>HBLIMFBK</b>
Gray	<b>KPIMBZGY</b>	<b>HWAPLGY</b>	<b>HBLIMFGY</b>
Ivory	-	-	<b>HBLIMFI</b>
Office White	<b>KPIMBZOW</b>	<b>HWAPLOW</b>	-
White	-	<b>HWAPLW</b>	<b>HBLIMFWA</b>

### Third-Party Raceway Modules

Unloaded, 2-port, 10-pack

Color	Catalog Number
Black	<b>HWM2KBK10</b>
Gray	<b>HWM2KGY10</b>
Ivory*	<b>HWM2KI10</b>
White	<b>HWM2KW10</b>

Note: \*Equivalent to Hubbell Office White.

### Two and Three Gangable AV Wallboxes

Box	Dimensions	Top Knockouts	Bottom Knockouts	Back Knockouts	Catalog Number
2-Gang, 2" KO, 54in <sup>3</sup> capacity	H: 4.21" W: 4.06" D: 4.0"	(2) ½" (2) ½" – ¾" TKO*	(1) 1", 1¼", 1½" & 2"	(2) ½" – ¾" TKO	<b>HBL985</b>
3-Gang, 2" KO, 79in <sup>3</sup> capacity	H: 4.21" W: 5.87" D: 4.0"	(3) ½" (3) ½" – ¾" TKO*	(1) ½" (1) ½" – ¾" TKO* (1) 1", 1¼", 1½" & 2"	(3) ½" – ¾" TKO	<b>HBL986</b>

Note: \*TKO (Tangential Knockout).



### Low Voltage AV Wallbox Partitions

Compatible With	Description	Quantity	Catalog Number
HBL985 and HBL986	Solid divider	1	<b>HBL989</b>
	With pass-thru capability	1	<b>HBL989AVD</b>



# Network Wiring and netSELECT® Products

## Modules and Frames



### HD15/9-Pin or HDMI Modules

	1 Unit	1.5 Unit		2 Unit
Color	HD15/9-Pin or HDMI	Angled, HD15/9-Pin or HDMI	HD15/9-Pin or HDMI with 3.5mm Stereo Jack*	HD15/9-Pin or HDMI with 3.5mm SJ+AV Conn
Black	<b>IMBDS1BK</b>	<b>IMBDSA15BK</b>	<b>IMB15315BK</b>	<b>IMB153X2BK</b>
Gray	<b>IMBDS1GY</b>	<b>IMBDSA15GY</b>	<b>IMB15315GY</b>	<b>IMB153X2GY</b>
Ivory	<b>IMBDS1EI</b>	<b>IMBDSA15EI</b>	<b>IMB15315EI</b>	<b>IMB153X2EI</b>
Office White	<b>IMBDS1OW</b>	<b>IMBDSA15OW</b>	<b>IMB15315OW</b>	<b>IMB153X2OW</b>
White	<b>IMBDS1W</b>	<b>IMBDSA15W</b>	<b>IMB15315W</b>	<b>IMB153X2W</b>

Note: \*Screw termination or solder.

### DVI Modules

	DVI Blank, Unloaded, 1.5 Unit	
Color	1-Pack	10-Pack
Black	<b>IMBDVI15BK</b>	<b>IMBDVI1015BK</b>
Gray	<b>IMBDVI15GY</b>	<b>IMBDVI1015GY</b>
Ivory	<b>IMBDVI15EI</b>	<b>IMBDVI1015EI</b>
Light Almond	<b>IMBDVI15LA</b>	<b>IMBDVI1015LA</b>
Office White	<b>IMBDVI15OW</b>	<b>IMBDVI1015OW</b>
White	<b>IMBDVI15W</b>	<b>IMBDVI1015W</b>

## Modules



	1 Unit		1.5 Unit		Recessed, Angled, 1-Port	Recessed, Angled, 2-Port
Color	Flat, 1-Port	Flat, 2-Port	Angled, 1-Port	Angled, 2-Port		
Black	<b>IM1K1BK</b>	<b>IM2K1BK</b>	<b>IM1KA15BK</b>	<b>IM2KA15BK</b>	<b>IM11A15BK</b>	<b>IM2IA15BK</b>
Gray	<b>IM1K1GY</b>	<b>IM2K1GY</b>	<b>IM1KA15GY</b>	<b>IM2KA15GY</b>	<b>IM11A15GY</b>	<b>IM2IA15GY</b>
Ivory	<b>IM1K1EI</b>	<b>IM2K1EI</b>	<b>IM1KA15EI</b>	<b>IM2KA15EI</b>	<b>IM11A15EI</b>	<b>IM2IA15EI</b>
Office White	<b>IM1K1OW</b>	<b>IM2K1OW</b>	<b>IM1KA15OW</b>	<b>IM2KA15OW</b>	<b>IM11A15OW</b>	<b>IM2IA15OW</b>
White	<b>IM1K1W</b>	<b>IM2K1W</b>	<b>IM1KA15W</b>	<b>IM2KA15W</b>	<b>IM11A15W</b>	<b>IM2IA15W</b>

### Blank Modules

Color	0.5 Unit	1 Unit	1.5 Unit
Black	<b>IMB05BK</b>	<b>IMB1BK</b>	<b>IMB15BK</b>
Gray	<b>IMB05GY</b>	<b>IMB1GY</b>	<b>IMB15GY</b>
Ivory	<b>IMB05EI</b>	<b>IMB1EI</b>	<b>IMB15EI</b>
Office White	<b>IMB05OW</b>	<b>IMB1OW</b>	<b>IMB15OW</b>
White	<b>IMB05W</b>	<b>IMB1W</b>	<b>IMB15W</b>

### SC Angled Modules

	1.5 Unit, 1 Duplex	2 Unit, 2 Duplex
	<b>IM1SCA15BK</b>	<b>IM2SCA2BK</b>
	<b>IM1SCA15GY</b>	<b>IM2SCA2GY</b>
	<b>IM1SCA15EI</b>	<b>IM2SCA2EI</b>
	<b>IM1SCA15OW</b>	<b>IM2SCA2OW</b>
	<b>IM1SCA15W</b>	<b>IM2SCA2W</b>

## Hubbell iSTATION Audio/Video Modules

XLR, speakON® and ¼ inch modules applications include video distribution, desktop and laptop computers, monitors, cameras, microphones and projectors, home theater and entertainment. Note: Order IMAVB15 series blank modules with AV connectors for Hubbell iSTATION applications.



Color	AV Blank 1.5 Unit, 10-Pack	XLR Screw Terminal, 10-Pack	XLR Solder-Type, 10-Pack	speakON® Conn. Solder-Type, 10-Pack	USB Feed-Thru A-to-B, 10-Pack	¼" Stereo Jack Solder-Type, 10-Pack
Black	<b>IMAVB15BK</b>	<b>XLRST10</b>	<b>XLR10</b>	<b>SC10</b>	<b>USB10</b>	<b>14S10</b>
Gray	<b>IMAVB15GY</b>					
Ivory	<b>IMAVB15EI</b>					
Office White	<b>IMAVB15OW</b>					
White	<b>IMAVB15W</b>					

Note: \*Not UL Listed.

speakON® is a registered trademark of Neutrik® AG.

## Hubbell iSTATION Surface Mount Boxes

Ideal for open office MUTOA cabling, compact surface mount environments and retrofits to support data, voice and multimedia applications. Features adjustable furniture latches to provide an additional mounting option to common ANSI/TIA standard furniture openings and solutions requiring fiber. Box bases feature fiber storage posts that can store one meter fiber cable after termination.

Can be mounted with supplied surface mounting screws or double-sided adhesive tape and mounted to NEMA electric boxes or relay racks.

### Features

- Low-profile design
- Accepts XJ jacks, audio video and fiber connectors
- Provided with double-sided tape and mounting screws for easy installation
- UL and cULus listed
- Constructed with a high-impact resistant, flame-retardant polymer
- ANSI/TIA-606B compliant



ISB120W



### ISB Surface Mount Boxes

Color	1-Port	2-Port	4-Port	6-Port	12-Port
Black	<b>ISB1BK</b>	<b>ISB2BK</b>	<b>ISB4BK</b>	<b>ISB6BK</b>	<b>ISB12BK</b>
Electric Ivory	<b>ISB1EI</b>	<b>ISB2EI</b>	<b>ISB4EI</b>	<b>ISB6EI</b>	<b>ISB12EI</b>
Gray	<b>ISB1GY</b>	<b>ISB2GY</b>	<b>ISB4GY</b>	<b>ISB6GY</b>	<b>ISB12GY</b>
Office White	<b>ISB1OW</b>	<b>ISB2OW</b>	<b>ISB4OW</b>	<b>ISB6OW</b>	<b>ISB12OW</b>
White	<b>ISB1W</b>	<b>ISB2W</b>	<b>ISB4W</b>	<b>ISB6W</b>	<b>ISB12W</b>

### UL Plenum Rated ISB Surface Mount Boxes

Color	1-Port	2-Port
Black	<b>ISB1BKP</b>	<b>ISB2BKP</b>
Ivory	<b>ISB1EIP</b>	<b>ISB2EIP</b>
Gray	<b>ISB1GYP</b>	<b>ISB2GYP</b>
Office White	<b>ISB1OWP</b>	<b>ISB2OWP</b>
White	<b>ISB1WP</b>	<b>ISB2WP</b>

Note: ISB surface mount boxes are not compatible with SJ shielded jacks.



### Non-Metallic Raceway Compatibility Chart

Series	PP	PL	PW	PB
ISB1	✓			✓*
ISB2	✓			✓*
ISB4	✓	✓	✓	✓*
ISB6	✓	✓	✓	✓*
ISB12	✓	✓	✓	✓*

Note: \*Use PB3REDA transition fitting.  
See section T for Raceway product information.

- PP1 = PREMISETRAK Latching Raceway
- PL1 = LANTRAK® Latching Raceway
- PW2 = WALLTRAK® Latching Raceway
- PB2 = BASETRAK® Non-Latching Raceway
- PB3 = BASETRAK Non-Latching Raceway
- PS3 = SUPER BASETRAK® Non-Latching Raceway

## Universal Patch Panels and Wall Mount Brackets



### Consolidation Point Block, Category 6 and Category 5e

Description	Catalog Number
Category 6, 12-Port, Universal, 89D.	<b>HP612</b>
Category 5e, 12-Port, Universal, 89D.	<b>HP5E12</b>

### Universal Patch Panel, Category 5e

Description	Catalog Number
24-Port, 1.75" H.	<b>HP5E24</b>
48-Port, 3.50" H.	<b>HP5E48</b>
96-Port, 7.0" H.	<b>HP5E96</b>



### Universal Patch Panel, Category 6

Description	Catalog Number
24-Port, 1.75" H.	<b>HP624</b>
48-Port, 3.50" H.	<b>HP648</b>
96-Port, 7.0" H.	<b>HP696</b>



### Jack Panel, Unloaded

Description	Catalog Number
Wall Mount, 12-Port, Black.	<b>HPJ1289</b>
Rack Mount, 24-Port, 1.75" H, Black.	<b>NSPJ24</b>
Rack Mount, 48-Port, 3.5" H, Black.	<b>NSPJ48</b>



### Rear Cable Management Bar\*

Description	Catalog Number
Screws to the rear flange of a 19-inch rack.	<b>CMBR</b>
HPW panel mount.	<b>HPRCMB</b>

Note: \*Not UL Listed.



### Wall Mount Brackets, Bottom-Hinged

Includes assembled bottom-hinged wall bracket.

Rack Units	Width Inches (mm)	Depth Inches (mm)	Height Inches (mm)	Catalog Number
1	19" (483)	4" (102)	1.75" (45)	<b>HPWWB1U4</b>
2	19" (483)	4" (102)	3.50" (89)	<b>HPWWB2U4</b>
		8" (203)	3.50" (89)	<b>HPWWB2U8</b>
4	19" (483)	4" (102)	7.00" (178)	<b>HPWWB4U4</b>
		8" (203)	7.00" (178)	<b>HPWWB4U8</b>
6	19" (483)	4" (102)	10.50" (267)	<b>HPWWB6U4</b>
		8" (203)	10.50" (267)	<b>HPWWB6U8</b>
		18" (457)	10.50" (267)	<b>HPWWB6U18</b>



### Wall Mount Brackets, Side-Hinged

Includes assembled side-hinged wall bracket.

Rack Units	Width Inches (mm)	Depth Inches (mm)	Height Inches (mm)	Catalog Number
2	19" (483)	4" (102)	3.50" (89)	<b>BRMCCMB19X35X4</b>
4	19" (483)	4" (102)	7.00" (178)	<b>BRMCCMB19X7X4</b>
2	19" (483)	8" (203)	3.50" (89)	<b>BRMCCMB19X35X8</b>
4	19" (483)	8" (203)	7.00" (178)	<b>BRMCCMB19X7X8</b>





# Network Wiring and netSELECT® Products

## Features and Benefits

### NSC Patch Cords

- Conductor: #24 AWG UTP
- Jacket: Flame-Retardant PVC-CM Rated
- Plug Body: Polycarbonate UL 94V-0
- Plug Boot: PVC
- Contact Plating: 50 micro-inch Gold



#### Housing Design

- Category 6 performance
- Slim snagless boot for high density ports
- PoE ready



#### Performance, Mechanical

- Cable to plug tensile strength: 20+ lbs.
- Mating cycles: 2000+

### NSC Patch Cords, Category 6

Length (ft)	Color			
	Black	Blue	Gray	White
1'	NSC6BK01	NSC6B01	NSC6GY01	NSC6W01
3'	NSC6BK03	NSC6B03	NSC6GY03	NSC6W03
5'	NSC6BK05	NSC6B05	NSC6GY05	NSC6W05
7'	NSC6BK07	NSC6B07	NSC6GY07	NSC6W07
10'	NSC6BK10	NSC6B10	NSC6GY10	NSC6W10
15'	NSC6BK15	NSC6B15	NSC6GY15	NSC6W15



NSC6B01

### NSC Patch Cords, Category 5e

Length (ft)	Color			
	Black	Blue	Gray	White
1'	NSC5EBK01	NSC5EB01	NSC5EGY01	NSC5EW01
3'	NSC5EBK03	NSC5EB03	NSC5EGY03	NSC5EW03
5'	NSC5EBK05	NSC5EB05	NSC5EGY05	NSC5EW05
7'	NSC5EBK07	NSC5EB07	NSC5EGY07	NSC5EW07
10'	NSC5EBK10	NSC5EB10	NSC5EGY10	NSC5EW10
15'	NSC5EBK15	NSC5EB15	NSC5EGY15	NSC5EW15



NSC5EW01

## Features and Benefits

### AV In-Wall Enclosure

Hubbell's netSELECT® Flat Panel Television (FPTV) connection enclosure delivers high-density connectivity and power in the wall. This allows flat panel displays and interactive "smart" boards to sit flush against walls with no dangling cords. It quickly installs to studs or sheetrock without additional components or hardware.

- 18 Gauge white powder coated rugged steel base
- 2 and 4-gang enclosure with two 1½ and 1¼ inch KOs
- Optional screw on cover reduces tampering
- cULus 1863 Listed



NSAV124M



#### Box Design

- Flush against walls installation
- Sheet metal base white powder coat finish
- Accepts standard electrical boxes
- Integrated cable management



#### Mounting

- Multiple device mounting options
- 1½" And 1¼" conduit knockouts
- Easily mounts to studs or sheetrock
- Easily replaceable receptacle
- Trim ring covers rough-in



NSAV6C



NS801W



NSOKPS



NP26W



SFHC14W



NSJ6W

### FPTV Connection Enclosure

Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Color	Catalog Number
2-gang in-wall enclosure.	8.16" (207)	7.92" (201)	3.37" (86)	White	<b>NSAV62M</b>
4-gang in-wall enclosure.	14.80" (376)	7.92" (201)	3.37" (86)	White	<b>NSAV124M</b>
Steel cover for NSAV6 series.	7.2" (183)	7.2" (183)	0.05" (1)	White	<b>NSAV6C</b>
Steel cover for NSAV12 series.	13.80" (351)	7.2" (183)	0.05" (1)	White	<b>NSAV12C</b>
Block wall adapter.					<b>NSAV6BW</b>
New work stud brackets.					<b>NSAV6NW</b>

### Accessories

#### Power Kits

Description	Color	Catalog Number
Standard power kit.	White	<b>NSOKPTR</b>
Surge protected power kit.	Blue	<b>NSOKPS</b>

#### Unloaded Wallplates and Frames

1-gang blank wallplate.	White	<b>NP14W</b>
1-gang decorator wallplate.	White	<b>NP26W</b>
1-gang Hubbell iSTATION wallplate.	White	<b>IMF1W</b>
1-gang 4-port wallplate.	White	<b>NSP14W</b>

#### AV Connectors and Wallplates

1-port HDMI frame.	White	<b>NS801W</b>
2-port HDMI frame.	White	<b>NS802W</b>
HDMI snap fit.	White	<b>SFHC14W</b>
F-connector snap fit.	White	<b>NSF70W</b>
USB A-to-B snap fit.	White	<b>SFUSBABW</b>
Cat 6 snap fit jack.	White	<b>NSJ6W</b>

Note: See pages Y-4 to Y-8 for snap fit multimedia jacks and AV connectors.

# Network Wiring and netSELECT® Products

## HDMI Products

### AV Ceiling Enclosure

The AV Ceiling Enclosure is designed to work with active AV devices to integrate AV distribution, data connections and power in one location, providing a direct connection to a projector or a display device. An additional AV/data kit can be added or customized to address all connector, mounting and patching needs, reducing multiple pieces on site.

- Manage multiple applications inside one enclosure
- Flush mounted, white enclosure for consistent look when mounted in the ceiling
- Loaded with two Hubbell 20A duplex receptacles and a 2-gang back box
- All steel rugged construction provides the ultimate strength for installation



AVCE1H

Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Color	Catalog Number
AV Ceiling Enclosure	12" (305)	24" (610)	8" (203)	White	<b>AVCE1H</b>

Note: Enclosure includes two 20 amp duplex receptacles and 2-gang back box.

### HDMI Decorator Frames

netSELECT® HDMI Decorator Frames deliver uncompromising digital audio and video wherever you need it. Unleash the full potential of your high definition display and audio installations.

- Third party tested for 1080p resolutions
- UL Listed - Communications Circuit Accessory and CSA Certified



NS801W



#### Frame Design

- High impact thermoplastic frame
- Connector flush to frame face



#### Connector

- Thumbscrew prevents accidental disconnection only when used with Hubbell's HDMI patch cords
- Connector sized to fit 1 inch conduit
- 4 inch flexible extension reduces bend radius issues in confined spaces

### HDMI Products

Description	Color	1-Gang, 1-Port	1-Gang, 2-Port
HDMI, Decorator Frame, Female to Female	Black	<b>NS801BK</b>	<b>NS802BK</b>
	Gray	<b>NS801GY</b>	<b>NS802GY</b>
	Ivory	<b>NS801I</b>	<b>NS802I</b>
	Light Almond	<b>NS801LA</b>	<b>NS802LA</b>
	Office White	<b>NS801OW</b>	<b>NS802OW</b>
	White	<b>NS801W</b>	<b>NS802W</b>



NS801W

NS802W

### HDMI Patch Cords, #24 AWG

Length	HDMI Device Patch Cords	Length	Horizontal Cords (Connector to Connector)	Length	Link Cords (Connector to Device)	Length	Coupler Cords (Coupler to Device)
3 ft.	<b>HDPC03BK</b>	10 ft.	<b>HDH10BK</b>	10 ft.	<b>HDL10BK</b>	10 ft.	<b>HDC10BK</b>
6 ft.	<b>HDPC06BK</b>	15 ft.	<b>HDH15BK</b>	15 ft.	<b>HDL15BK</b>	15 ft.	<b>HDC15BK</b>
		20 ft.	<b>HDH20BK</b>	20 ft.	<b>HDL20BK</b>	20 ft.	<b>HDC20BK</b>
		25 ft.	<b>HDH25BK</b>	25 ft.	<b>HDL25BK</b>	25 ft.	<b>HDC25BK</b>
		30 ft.	<b>HDH30BK</b>	30 ft.	<b>HDL30BK</b>	30 ft.	<b>HDC30BK</b>

Note: Black and Non-Plenum only.

# Network Wiring and netSELECT® Products

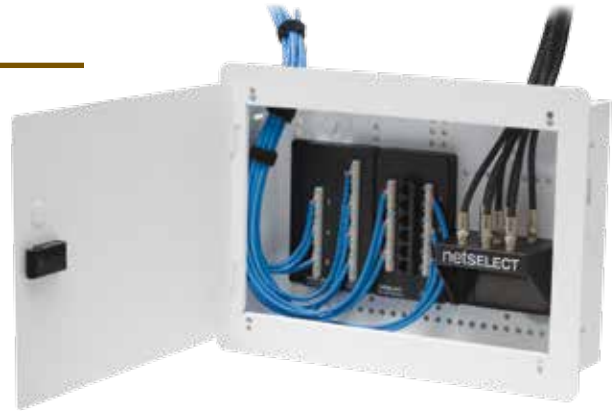
## Advantages and Wiring Layout

### Connect Your Home to Internet, Voice and Video Services

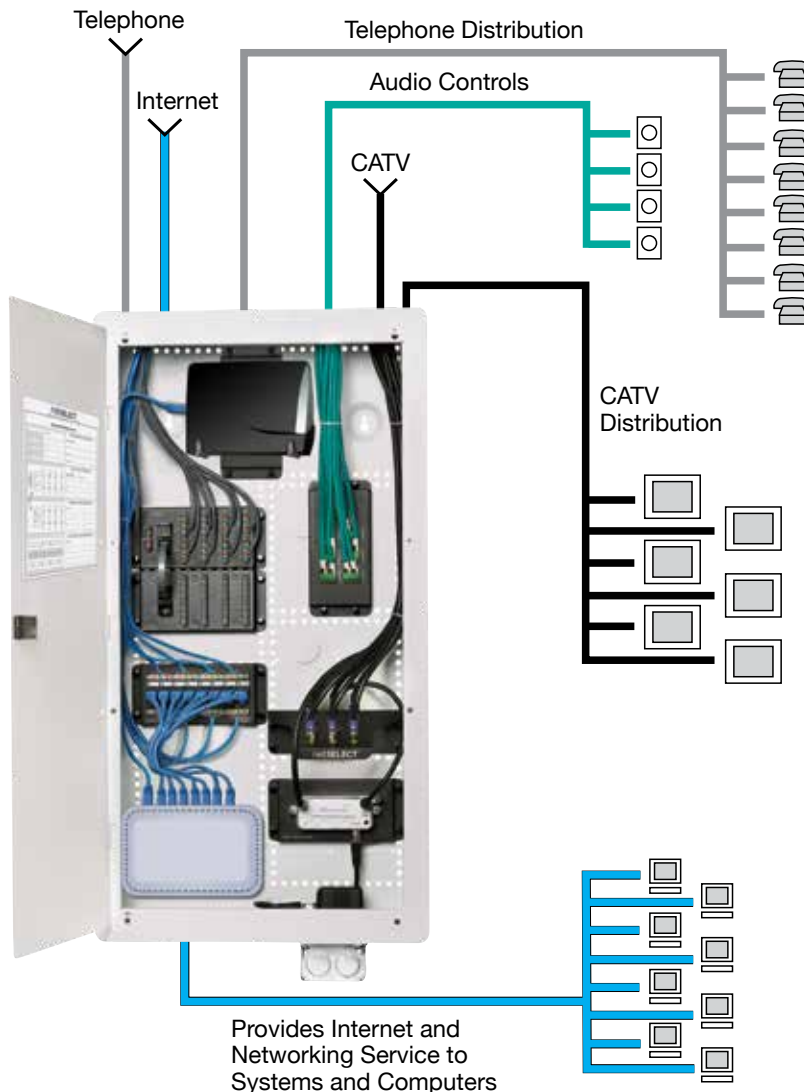
netSELECT® is an innovative network solution that's perfect for any home or small office. Specifically positioned as the voice/data segment for the Residential brand, the netSELECT® System satisfies the need for a dependable, flexible system that can accommodate all of today's fast-changing voice, data and video requirements.

This cost-effective solution incorporates all the quality you'd expect from Hubbell. Built-in flexibility makes it easy to upgrade and keep pace with evolving technologies.

- Share single analog, cable or DSL internet connection
- Local file access
- Shared peripherals
- Multiple telephone distribution
- Call handling (PBX)
- Video distribution
- Play games that allow multi-users
- Control home automation systems



### Today's Communications Entail A Lot More Than Just Talking. netSELECT® Keeps You Connected—Internet, Voice, Data and Entertainment



## Network Enclosures

### Features

- Flush or surface mount enclosure (hardware provided)
- Hinged cover can be mounted to swing from either side
- Integral trim ring hides rough-in hole in sheet rock providing a finished appearance (except NSOBOX48)
- Horizontal and vertical module mounting holes for maximum flexibility
- Unique 89D bracket mounting holes allow easy mounting of 66 blocks and peripherals
- Provisions to mount optional duplex power and lock kit available
- Integral cable management slots and tie-wraps provided to help dress cable runs
- Additional nylon push pins provided to assist module mounting
- Material: 20-18 gauge steel
- Finish: white, powder coat
- cULus Listed 1863

## Network Enclosures

### Pre-Configured Network System

Description	Catalog Number
Pre-Configured Network System	<b>NSOBNK14</b>
Basic home network kit includes:	
One box with hinged cover NSOBOX14,	
One primary 8-port telephone module NSOPTM8,	
One four way coaxial splitter module NSOVM4	

### 10 Inch Network Enclosure for MDU and Modular Applications

Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	No. of Module Placement	Catalog Number
With hinged cover	11.55" (293)	15.65" (398)	4.08" (104)	3	<b>NSOBOX10</b>
With panel cover	11.07" (281)	–	4.08" (104)	3	<b>NSOBOX10BC</b>
10"H box only	10.07" (256)	14.38" (365)	3.96" (101)	3	<b>NSOBOX10B</b>
Hinged door	11.55" (293)	15.65" (398)	0.58" (15)	–	<b>NSOBOX10D</b>
Panel cover	11.07" (281)	15.50" (594)	0.20" (5)	–	<b>NSOBOX10C</b>

### 14 Inch Network Enclosure

With hinged cover	15.55" (395)	15.65" (398)	4.08" (104)	5	<b>NSOBOX14</b>
With panel cover	15.10" (384)	15.54" (395)	4.08" (104)	5	<b>NSOBOX14BC</b>
14"H box only	14.00" (356)	14.38" (365)	3.96" (101)	5	<b>NSOBOX14B</b>
Hinged door	15.55" (395)	15.65" (398)	0.33" (8)	–	<b>NSOBOX14D</b>
Vented door (louver)	15.55" (395)	15.65" (398)	0.52" (15)	–	<b>NSOBOX14DL</b>
Panel cover	15.11" (384)	15.54" (395)	0.20" (5)	–	<b>NSOBOX14C</b>
2"D extension bracket with ventilation and WiFi KOs	15.30" (389)	15.57" (395)	2.00" (51)	–	<b>NSOBOX14X2</b>

### 28 Inch Network Enclosure

With hinged cover	29.55" (751)	–	–	11	<b>NSOBOX28</b>
With panel cover	29.13" (740)	15.54" (395)	4.08" (104)	11	<b>NSOBOX28BC</b>
28"H box only	28.00" (711)	14.38" (365)	3.96" (101)	11	<b>NSOBOX28B</b>
Hinged door	29.55" (751)	15.65" (398)	0.33" (8)	–	<b>NSOBOX28D</b>
Vented door* (louver)	29.55" (751)	15.65" (398)	0.52" (15)	–	<b>NSOBOX28DL</b>
Panel cover	29.29" (744)	15.54" (395)	0.20" (5)	–	<b>NSOBOX28C</b>
2"D extension bracket with ventilation and WiFi KOs	29.3" (744)	15.57" (395)	2.00" (51)	–	<b>NSOBOX28X2</b>

### 48 Inch Network Enclosure

With hinged cover	48.94" (1243)	14.94" (379)	4.07" (103)	21	<b>NSOBOX48*</b>
Trim ring					<b>NSOBOX48R</b>

Note: \*Door covers rough-in, no trim ring provided.



**NSOBOX10**



**NSOBOX14**



**NSOBOX28**

## Network Modules

### Features

netSELECT® Modular Components enable the designer to select performance requirements specifically for the application. Modules snap horizontally or vertically into the enclosures for maximum flexibility and optimum space usage.

- Dimensions: 6.47 in. W x 2.95 in. H, except NSOMTM24 6.47 in. W x 6.00 in. H
- Meets FCC Part 68 standard
- Material: High impact plastic
- cULus Listed 1863
- All data and phone modules 568A wired

### Combination Modules

Description	Units	Catalog Number
6-port telephone panel and 6-port coaxial splitter with optional 6-port Category 5e panel provides voice, video, and data distribution in a space efficient package; perfect for use with NSOBOX10 and NS790xx plates to quickly establish a comprehensive home network.		
6-port telephone and video	3	<b>NSOTVM6</b>
6-port telephone, video and Category 5e	3	<b>NSOTVDM6</b>
6-port Category 5e data upgrade kit	3	<b>NSODK6</b>



**NSOTVDM6**



**NSOPTM8**



**NSOETM8**



**NSODM8**



**NSODM8C6**



**NSOMTM12**

### Primary Telephone Module

Description	Units	Catalog Number
8-port phone outlets with up to (4) incoming lines for voice, fax or modem applications in a protected PCB module; pre-mounted push pins snap the module quickly into place; RJ31X interface jack included for security system connection; RJ45 jack interfaces with optional NSOETM8 telephone expansion module for additional extensions.	1	<b>NSOPTM8</b>

### Expansion Telephone Module

Description	Units	Catalog Number
8-port adds an additional (8) phone outlets with up to (4) incoming lines when used with the primary telephone module; pre-mounted push pins snap the module quickly into place; includes RJ45 jumper cord to connect with NSOPTM8 primary telephone module.	1	<b>NSOETM8</b>

### Data Modules

Description	Units	Catalog Number
Category 5e data module, 8-port supports Gigabit Ethernet for up to (8) Category 5e data lines with front 110 punch-down terminations in a protected PCB module; pre-mounted push pins snap the module quickly into place.	1	<b>NSODM8</b>
Category 6 data module, 8-port supports enhanced transmission speeds beyond Gigabit Ethernet; future-proof for tomorrow's applications.	1	<b>NSODM8C6</b>

### Patchable Telecom Module

Description	Units	Catalog Number
Terminates lines via modular plug to accommodate flexibility, by changing plug locations; reconfigure where phone lines go at the panel level; allows data lines to be converted to voice, with the move of a patch cord; includes nine RJ45 jumper cords.	2	<b>NSOMTM24</b>

### Multi-Provider Patchable Telcom Module

Description	Units	Catalog Number
12-port telephone module distributes 4 incoming lines out to 12 locations through RJ-45 jacks; allows data lines to be converted to voice with the move of a patch cord; RJ31X interface jack is included for security system connection.	1	<b>NSOMTM12</b>

## Audio/Video Modules

### Features

netSELECT® Video Modules support bidirectional signal by splitting to 4, 6, or 8 separate work areas. Pre-mounted push pins snap the module quickly into place.

- Dimensions for VAMP, AM8 and BM: 6.47 in. W x 2.95 in. H
- Dimensions for video splitters: 6.47 in. W x 2.09 in. H x 3.20 in. D
- Material: High impact plastic
- cULus Listed 1863

### 4-Way Coaxial Splitter Modules

One incoming line, four outgoing.

Description	Units	Catalog Number
1GHz, basic unit	1	<b>NSOVM4</b>
2.3GHz, enhanced capability	1	<b>NSOVM42G</b>



**NSOVM4**

### 6-Way Coaxial Splitter Modules

One incoming line, six outgoing.

Description	Units	Catalog Number
1GHz, basic unit	1	<b>NSOVM6</b>
2.3GHz, enhanced capability	1	<b>NSOVM62G</b>



**NSOVM6**

### 8-Way Coaxial Splitter Modules

One incoming line, eight outgoing.

Description	Units	Catalog Number
1GHz, basic unit	1	<b>NSOVM8</b>
2.3GHz, enhanced capability	1	<b>NSOVM82G</b>



**NSOVM8**

### Fixed Video Amplifier Module

120 Volt rated

Description	Units	Catalog Number
Provides 10dB video signal amplification for incoming cable feeds recommended for use when more than four outputs are installed or when signal level is low; provides 10dB forward path gain and supports current digital cable systems and modems with a passive return; pre-mounted push pins snap the module quickly into place; includes RG-59 cable jumper to connect amplifier to passive video splitter.	1	<b>NSOVAMP</b>



**NSOVAMP**

### Eight Room Audio Module

Description	Units	Catalog Number
Distributes audio from an amplifier to matching volume controllers; supports up to eight rooms of audio; power handling – 200W RMS@20° C; requires impedance matching volume controls (see page Y-24).	1	<b>NSOAM8</b>



**NSOAM8**

### Blank Module Plate

Description	Units	Catalog Number
Allows mounting of active components (i.e. switches, routers) or other devices (66 blocks, audio components) onto a modular platform; can be custom drilled or used with two self-adhesive VELCRO® strips included to mount components onto module; pre-mounted push pins snap the module quickly into place.	1	<b>NSOBM</b>



**NSOBM**

VELCRO® is a registered trademark of Velcro Industries B.V.

## Accessories

### Features

netSELECT® Accessories enhance system capabilities. Volume controls expand home audio applications. Cabinet mounted receptacle kits provide convenience power to the enclosure.

- Audio controls available in slide or rotary
- Receptacles available in surge and standard kits



**NSOSAVC**



**NSORAVC**



**NSOKPS**



**FLOCK1**



**NSOFSB**



**FSPFP6X**



**FSPHD6X**

### Accessories

Description	Color	Catalog Number
Slide Audio Volume Controller, Decorator Styling, Power handling - 70W RMS@20° C. Impedance matching for up to 8 pairs of speakers. Includes both ivory and white slides and frames.	Ivory/White	<b>NSOSAVC</b>
Rotary Audio Volume Controller Power handling - 70W RMS@20° C. Impedance matching for up to 8 pairs of speakers. Includes both ivory and white knobs and frames.	Ivory/White	<b>NSORAVC</b>
Standard Power Kit, Includes tamper-resistant duplex receptacle 15A 125V NEMA 5-15R, electrical steel box and wallplate.		<b>NSOKPTR</b>
Surge Suppression Power Kit, Includes surge receptacle 15A 125V NEMA 5-15R, 240 Joules/15,000A protection per mode, electrical steel box and wallplate.		<b>NSOKPS</b>
Chromed Steel Lock Kit, Includes two keys. Eliminates unwanted tampering.		<b>FLOCK1</b>
Panel Bracket Adapter, For use with Adapter Panels shown below, and FSP series modules. Snap mounts into structured cabling enclosures.		<b>NSOFSB</b>
F-Connector Adapter Panel, with Six Populated Coaxial Connectors.		<b>FSPFP6X</b>
Jacks Adapter Panel, with Six Blank Openings for jacks and snap fits.		<b>FSPHD6X</b>



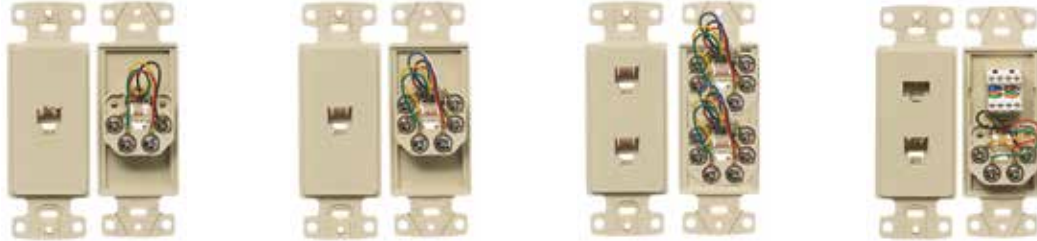
## Molded-In Voice/Data/Video

### Features

Designed to complement decorator styling, these jacks offer voice and Cat. 5e devices to fit within a decorator wallplate.

- High impact-resistant thermoplastic frame
- Meets FCC part 68
- cULus Listed 1863 - Communication Circuit Accessory and CSA Certified

### Molded-In Voice/Low-Speed Data



Description	Decorator Frame, One RJ11 Jack, 6-Position, 4-Conductor	Decorator Frame, One RJ11 Jack, 6-Position, 6-Conductor	Decorator Frame, Duplex RJ11 Jacks, 6-Position, 6-Conductor	Decorator Frame, One Cat. 5e 110 Punch-Down, One RJ11 Jack, 6-Position, 4-Conductor
Color	Screw Terminations	Screw Terminations	Screw Terminations	110 Punch-Down/Screw Terminations
Black	<b>NS770BK</b>	—	—	<b>NS784BK</b>
Brown	<b>NS770</b>	<b>NS771</b>	—	<b>NS784</b>
Gray	<b>NS770GY</b>	—	—	<b>NS784GY</b>
Ivory	<b>NS770I</b>	<b>NS771I</b>	<b>NS772I</b>	<b>NS784I</b>
Light Almond	<b>NS770LA</b>	<b>NS771LA</b>	<b>NS772LA</b>	<b>NS784LA</b>
White	<b>NS770W</b>	<b>NS771W</b>	<b>NS772W</b>	<b>NS784W</b>

### Features

Coaxial video and combination jacks complement multimedia needs in a 1-gang decorator opening.

- High impact-resistant thermoplastic frame
- Jacks meet FCC part 68
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified

### Molded-In Voice/Low-Speed Data



Description	Decorator Frame, Single F-Type Coupler Bulkhead, Female to Female	Decorator Frame, One RJ11 Jack, 6-Position, 4-Conductor, One F-Type Coupler Bulkhead, Female to Female	Decorator Frame, One Cat. 5e 110 Punch-Down, One F-Type Coupler Bulkhead, Female to Female
Color	Screw Terminations	Screw Terminations	110 Punch-Down Terminations
Black	—	—	<b>NS785BK</b>
Brown	—	—	<b>NS785</b>
Gray	—	—	<b>NS785GY</b>
Light Almond	<b>NS780LA</b>	<b>NS783LA</b>	<b>NS785LA</b>
White	<b>NS780W</b>	<b>NS783W</b>	<b>NS785W</b>

## Molded-In Plates

### Features

Designed for voice, these devices provide an economical alternative to wall phone outlet placement.

- High impact-resistant thermoplastic wallplate
- Convenient screw down terminals
- Meets FCC part 68
- cULus Listed 1863 - Communication Circuit Accessory and CSA Certified

### Molded-In Plates for Voice



1-Gang Plate,  
One RJ11 Jack,  
6-Position, 4-Conductor,  
Screw Terminations



1-Gang Plate,  
One RJ11 Jack,  
6-Position, 6-Conductor,  
Screw Terminations



1-Gang Plate,  
Duplex RJ11 Jacks,  
6-Position, 4-Conductor,  
Screw Terminations

Description	Standard	Mid-Size	Standard	Standard	Mid-Size
Color	Standard	Mid-Size	Standard	Standard	Mid-Size
Brown	<b>NS730</b>	<b>NS735</b>	<b>NS732</b>	—	—
Ivory	<b>NS730I</b>	<b>NS735I</b>	<b>NS732I</b>	—	<b>NS745I</b>
Light Almond	<b>NS730LA</b>	<b>NS735LA</b>	<b>NS732LA</b>	—	—
White	<b>NS730W</b>	<b>NS735W</b>	<b>NS732W</b>	—	<b>NS745W</b>

### Molded-In Plates for Voice and CATV/Satellite



1-Gang Plate,  
One F-Type Coupler Bulkhead,  
Female to Female,  
One RJ11 Jack,  
6-Position, 6-Conductor



1-Gang Plate,  
One F-Type Coupler Bulkhead, Female to Female,  
One RJ11 Jack,  
6-Position, 4-Conductor



1-Gang Plate,  
One F-Type Coupler Bulkhead,  
Female to Female



1-Gang Plate,  
Duplex F-Type Coupler Bulkhead,  
Female to Female

Description	Standard	Mid-Size	Standard	Standard	Mid-Size	Standard
Color	Standard	Mid-Size	Standard	Standard	Mid-Size	Standard
Ivory	<b>NS748I</b>	<b>NS755I</b>	<b>NS747I</b>	<b>NS750I</b>	<b>NS751I</b>	<b>NS752I</b>
Light Almond	<b>NS748LA</b>	<b>NS755LA</b>	<b>NS747LA</b>	<b>NS750LA</b>	<b>NS751LA</b>	<b>NS752LA</b>
White	<b>NS748W</b>	<b>NS755W</b>	<b>NS747W</b>	<b>NS750W</b>	<b>NS751W</b>	<b>NS752W</b>



1-Gang Plate,  
One Cat. 5e 110 Punch-Down  
One RJ11 Jack,  
6-Position, 4-Conductor  
One F-Type Coupler Bulkhead,  
Female to Female

Description	Standard
Color	Standard
Black	<b>NS790BK</b>
Brown	<b>NS790</b>
Gray	<b>NS790GY</b>
Ivory	<b>NS790I</b>
Light Almond	<b>NS790LA</b>
White	<b>NS790W</b>

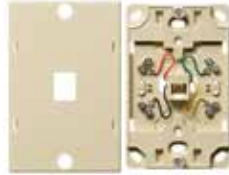
## Telephone Wall Jacks

### Features

Designed for voice applications, these jacks provide an economical alternative to basic wall mount and performance needs.

- Available in high impact-resistant thermoplastic or stainless steel
- Meets FCC part 68
- cULus Listed 1863 - Communication Circuit Accessory and CSA Certified

## Telephone Wall Jacks



Wall Phone Jack,  
6-Position, 4-Conductor,  
Screw Terminations

Description

Ivory  
White

**NS722I**  
**NS722W**



Wall Phone Jack,  
6-Position, 4-Conductor,  
Screw Terminations

Description

Stainless Steel

**NS726SS**

### Features

Telephone surface mount jacks are available in 4 or 6-conductor configurations for voice. Alternatively, multimedia surface mount boxes can be custom loaded for computer and media use.

- High impact-resistant thermoplastic
- Mounts using screws or double sided tape (both included)
- Meets FCC part 68
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified

## Telephone Surface Mount Jacks



Telephone Surface  
Mount Jack,  
6-Position, 4-Conductor,  
Screw Terminations

Description

Black  
Gray  
Ivory  
Office White  
White

—  
—  
**NS760I**  
—  
**NS760W**



Multimedia 1-Port  
Surface Mount Box,  
Jack Not Included

**ISB1BK\***  
**ISB1GY\***  
**ISB1EI\***  
**ISB1OW\***  
**ISB1W\***



Multimedia 2-Port  
Surface Mount Box,  
Jacks Not Included

**ISB2BK\***  
**ISB2GY\***  
**ISB2EI\***  
**ISB2OW\***  
**ISB2W\***

Note: \*cULus Listed 1863 - Communication Circuit Accessory.  
See pages Y-4 to Y-8 for snap fit multimedia jacks and AV connectors.

# Network Wiring and netSELECT® Products

## Standard UTP Wiring Conventions

### Horizontal UTP Cable and Patch Cords

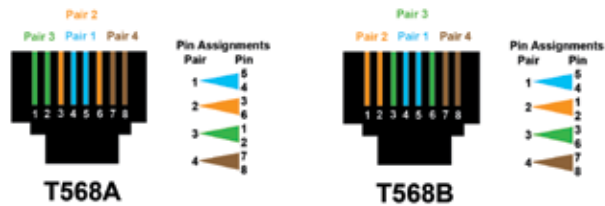
- Solid copper 4-pair #24 or better AWG UTP is specified for distribution cabling. Stranded UTP is specified for patch cords for flexibility. Shielded cable is not commonly used in the U.S. splices and bridge taps are not permitted.
- Cable, connectors and patch cords shall be marked with the performance category. Always match performance categories of cables and components throughout the infrastructure.
- All cable, cords and connecting hardware shall meet performance requirements of ANSI/TIA/EIA-568-C.1 and 568-C.2. Hubbell assures this compliance with all products and cable partners.

#### COLOR CODING:



### Recognized Connector and Wiring Configurations

- 8-position modular jack/plug.
- 8-position modular panel/plug.
- T568A wiring or T568B wiring options.
- Cat. 5e or Cat. 6 recommended.



### RJ45 - TIA-568 Conventions

Two wiring standards were adopted. Both configurations provide equivalent transmission performance.

8 Position / 8 Wire



- Preferred method
- Directly compatible with 2-pair voice and Token Ring systems utilizing 6-position connectors

8 Position / 8 Wire

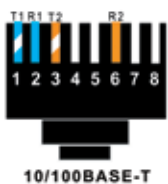


- Optional method
- AT&T's standard
- Directly compatible with AT&T phone systems

### LAN Wiring Conventions

Local Area Network standards designed to operate over UTP specify pin/pair assignments on modular connectors for various signal transmission protocols. While TIA/EIA-568A and 568B conventions support all of these designations, there are some cases where the user chooses to cable only the number of pairs required to support these applications.

8 Position / 4 Wire



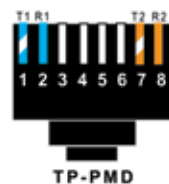
- 10 Mbps Ethernet over UTP
- 100 Mbps Ethernet

8 Position / 4 Wire



- 4/16 Mbps Token Ring over copper

8 Position / 4 Wire



- 100 Mbps FDDI over copper (pending)

8 Position / 8 Wire



- 1000 Mbps/10Gb Ethernet over UTP
- Uses all four pairs