

- 4dB NEXT Margin 1-250MHz over TIA and ISO Channel Specifications\*
- Qualified to 150% of 802.3bt PoE Current Level
- Continuous Third Party Verification Program

**HUBBELL**  
**NextSpeed** Patch Panels  
Category 6 Component



**FEATURES**

- NEXT margin over TIA 568-C.2 and ISO 11801 Class E channel specifications 1-250MHz
- Exceeds component requirements of TIA-568-C.2 Category 6 and IEC Category 6 components
- Designed and tested for 1.5A of continuous current per pair
- Manufacturing: 100% factory tested
- Universal Wiring (T568A or T568B)
- Integrated labeling and icon slots for TIA-606-B compliance

**SPECIFICATIONS**

- Nose contact material: beryllium copper with precious metal plating with nickel under-plating
- Rear IDC Contact: Phosphor Bronze with 100 micro-inch lead free tin over nickel plating
- Panel material: 14 gauge steel rolled-edge construction
- 2000+ mating cycles with FCC 8-position plug
- Dimensions and mounting holes per CEA-310-E

**STANDARDS**

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

**Performance**

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

**Identification**

Integrated labeling and port icon attachment capable



**Wide In-Line Termination Towers**

Increased space for lacing and routing cable.

**Rigidity**

Rolled edge construction eliminates flex during termination.

**NEXTSPEED®** 6 panels exceed Category 6 ANSI/TIA/EIA 568-C.2 component specifications. This provides higher bandwidth to transmit data in excess of 250MHz, and allows your cabling system an error-free transmission path. Additionally, NEXTSPEED® 6 panels are “center balanced” with Hubbell patch cords to maximize channel performance.

**NEXTSPEED®** 6 series patch panels are assembled in the USA and backed by Hubbell's 25 year application assurance warranty. They provide a rugged, reliable, solution supporting today's high bandwidth mission critical applications.

**APPLICATIONS**

- IEEE 802.3b 100GBASE-T
- IEEE 802.3at PoE+ and IEEE 802.3bt 4PPoE Power over Ethernet
- TIA TSB-155 10GbE Over 55 Meters
- Backward compatible with Cat 5E hardware and applications

\*When combined with Hubbell Premise Wiring Cat 6 patch cords.



ORDERING INFORMATION

NEXTSPEED® Category 6 Patch Panel



Ports	Height	Rack Units	Bar Qty	Straight Black Catalog No.	Straight White Catalog No.	Angled Black Catalog No.
24	1.75" (45 mm)	1	1	<b>HP624*</b>	<b>HP624W</b>	<b>HP624A</b>
48	3.50" (45 mm)	2	2	<b>HP648*</b>	<b>HP648W</b>	<b>HP648A</b>
96	7.00" (178 mm)	4	3	<b>HP696</b>		

\* Add "E" for panel without cable management

NEXTSPEED® Category 6 89D Surface Mount Panel

Ports	Black Catalog No.
12	<b>HP612</b>



ACCESSORIES

Labels for NEXTSPEED® Category 6 Panel

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

NEXTSPEED® Category 6 Component Jack

1 per package	25 per package
<b>HXJ6XX</b>	<b>HXJ6XX25</b>



XX Colors = **AL** (Almond), **B** (Blue), **BK** (Black), **BN** (Brown), **EI** (Electric Ivory), **GL** (Gold), **GN** (Green), **GY** (Gray), **LA** (Light Almond), **OR** (Orange), **OW** (Office White), **P** (Purple), **R** (Red), **W** (White), **Y** (Yellow)

NEXTSPEED® Category 6 Patch Cord

Catalog No.
<b>HC6XXYY</b>



XX Colors = **B** (Blue), **BK** (Black), **GN** (Green), **GY** (Gray), **OR** (Orange), **P** (Purple), **R** (Red), **W** (White) and **Y** (Yellow).

YY Standard Lengths- **01**=1'; **03**=3'; **05**=5'; **07**=7'; **10**=10'; **15**=15'; **20**=20'

Replacement Adaptor for NEXTSPEED® Category 6 Panel

Description	Catalog No.
6-port adaptor	<b>HP6M6</b>



NEXTSPEED® Ascent Category 6 UTP Cable

Plenum Spool	Riser Spool
<b>C6ESPXX</b>	<b>C6ESRXX</b>



XX Colors = **B** (Blue), **GY** (Gray), **W** (White), **Y** (Yellow)  
MTO colors available

Rack Mount Cable Management Bar for 19" Rack

Description	Catalog No.
Straight	<b>CMBR</b>
Straight, wire bar	<b>ECMBRS</b>
ECMBRS with 3" standoffs	<b>ECMBR3</b>
ECMBRS with 6" standoffs	<b>ECMBR6</b>



Panel Mount Cable Management Bar for 19" Rack

Description	Catalog No.
Wire Bar	<b>HPRCMB</b>



DIMENSIONS

