

- 4.5dB Min NEXT Margin @ 500MHz over TIA Component Specifications
- Short Links (less than 10M) Supported
- Qualified to 150% of 802.3bt PoE Current Level
- Continuous Third Party Verification Program

FEATURES

- 4.5dB NEXT margin over TIA 568-C.2 component at 500MHz
- 1.5dB NEXT margin over ISO/IEC 11801 6_A component requirements at 500 MHz
- 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
- Manufacturing: 100% factory tested
- Universal Wiring (T568A or T568B)
- Integrated labeling and icon slots for 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
- HP6Axx panels are not compatible with RJ11, RJ14 or RJ25 6-position plugs

STANDARDS

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

HUBBELL NextSpeed Ascent Patch Panels Category 6A Component



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® Ascent Category 6A solution is a tuned system of structured cabling components designed and balanced to work together to deliver bandwidth beyond 625MHz.

NEXTSPEED® Ascent Category 6A Panel is third party verified exceeding all TIA and ISO component performance requirements. The well balanced design of the HP6A series allows the NEXTSPEED Ascent systems to be utilized in links under 10 meters, which is a perfect solution for the datacenter, providing a fully compliant solution that supports 10GBASE-T transmission from 2-100 Meters.

Ascent 6A series patch panels are made 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 802.3an 10GBASE-T
- IEEE 802.3bt 4PPoE Power over Ethernet
- Suitable for links 2-90M
- IEEE 802.11ac and IEEE 802.11ax WAP Deployments
- Backward compatible with Cat 5E and 6 hardware and applications





ORDERING INFORMATION

NEXTSPEED® Ascent Category 6A 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	HP6A24*	HP6A24W	HP6A24A
48	3.50" (45 mm)	2	2	HP6A48*	HP6A48W	HP6A48A
96	7.00" (178 mm)	4	3	HP6A96		

* Add "E" for panel without cable management

NEXTSPEED® Ascent Category 6A 89D Surface Mount Panel

Ports	Black Catalog No.
12	HP6A12



ACCESSORIES

Labels for NEXTSPEED® Ascent Category 6A Panel

Description	Catalog No.
Printable front, 6-port, 4800 pack	HPLBL4800

NEXTSPEED® Ascent Category 6A Component Jack

1 per package	25 per package
HJ6AXX	HJ6AXX25



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® Ascent Category 6A Patch Cord

Catalog No.
HC6AXXY



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® Ascent Category 6A Panel

Description	Catalog No.
6-port adaptor	HP6AM6



NEXTSPEED® Ascent Category 6A UTP Cable

Plenum Spool	Riser Spool
C6ASPXX	C6ASRXX



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	CMBR
Straight, wire bar	ECMBRS
ECMBRS with 3" standoffs	ECMBR3
ECMBRS with 6" standoffs	ECMBR6



Panel Mount Cable Management Bar for 19" Rack

Description	Catalog No.
Wire Bar	HPRCMB



DIMENSIONS

