HUBBELL Advantage

- Third Party Verified Category 6A Component Exceeding TIA and ISO Limits

- Exclusive 1-Punch Termination Reduces Termination Time by 75%

- Mating Cycles Exceed Industry Standard by 4 Times

- Green Friendly Bulk Packaging Reduces Excess Waste on the Job

FEATURES

- 4.5db min NEXT margin over TIA 568-C.2 component at 500MHz
- 1.5 dB min NEXT margin over ISO 11801 6_A component requirements
- Supports permanent links: 2-100 Meters
- Enhanced common mode design eliminates residual and reflected NEXT and ANEXT
- Designed and tested for 850mA of continuous current per conductor (1.7A per pair)
- Manufacturing: 100% factory tested
- Universal Wiring (T568A or T568B)
- Center port identification allows for greater visibility of labels on a 48-port patch panel

SPECIFICATIONS

- Nose contact material: beryllium copper with precious metal plating with nickel under-plating
- Panel material: 14 ga. steel rolled-edge construction
- 2000+ mating cycles with FCC 8-position plug
- Dimensions and mounting holes per CEA-310-E
- HP6Axx jacks are not compatible with RJ11, RJ14 or RJ25 6-position plugs

STANDARDS

- TIA-568-C.2 Category 6A component
- ISO 11801/60603-7 6_A component
- Third Party tested for TIA 568-C.2 Requirements. Component/Link/Channel Category 6A and ISO 11801 Class E_A
- Application: Third-Party qualified for 10 Gigabit Ethernet Transmission IEEE 802.3an
- Current Capacity: Exceeds current levels for PoE and PoE+ IEEE 802.3at
- Mechanical: Verified to TIA-568-C.2
- UL Listed 1863

HUBBELL NextSpeed
Ascent Patch Panels
Category 6A Component

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

Installation Aid
Third hand location pin and hands-free installation.

Extra Wide IDC Spacing
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 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 from 2-100 Meters.

Ascent 6A series patch panels provide a rugged, feature rich, solution supporting today's high bandwidth mission critical applications.

Don't jeopardize your network, Hubbell's NextSpeed Ascent 6A solution is the product for the digital world, and provides a migration path for tomorrows emerging network applications.

APPLICATIONS

- Data Center
- 10GBASE-T (10-Gigabit Ethernet)
- Consolidation, Server Clustering & Scalable Virtualization
- Mass Data Storage, Storage Area Networks (SAN)
- Web enablement of applications (WEB 2.0)
- Voice Protocol – VoIP, SIP, SCCP, MGCP
- Video Protocol – IPTV, RTSP, RTP

ORDERING INFORMATION

NEXTSPEED® Ascent Category 6A Patch Panel

Ports	Height	Rack Units	Black Catalog No.	Silver Catalog No.
24	1.75" (45 mm)	1	**HP6A24U**	**HP6A24US**
48	3.50" (45 mm)	2	**HP6A48U**	**HP6A48US**
96	7.00" (178 mm)	4	**HP6A96U**	**HP6A96US**

RELATED PRODUCT

NEXTSPEED® Ascent Category 6A Angled Patch Panel

Ports	Height	Rack Units	Black Catalog Number
24	1.75" (45 mm)	1	**HP6A24AU**
48	3.50" (45 mm)	2	**HP6A48AU**

ACCESSORIES

Rear Cable Management Bars

Description	Catalog Number
Screws to rear flange of 19" rack	**CMBR**

Angled Blank Panels

Description	Height	Color	Catalog Number
Blank Panel	1U (1.75")	Black	**ABP175**
	2U (3.50")	Black	**ABP350**

NEXTSPEED® Ascent C6A Component Jack

1 Jack per package	25 Jacks per package
HJ6AXX	**HJ6AXX25**

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

NEXTSPEED® Ascent Category 6A Cable

Description	Plenum Spool	Riser Spool
Category 6A UTP Cable	**C6ASPXX**	**C6ASRXX**

XX = Cable Color Options

B=Blue	**GY**=Gray	**W**=White	**Y**=Yellow

XX = MTO Cable Color Options

G=Green	**OR**=Orange

NEXTSPEED® Ascent Category 6A Patch Cords
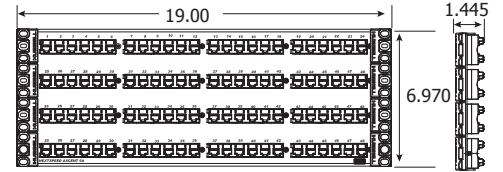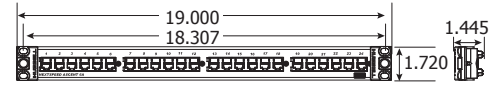
Color	Catalog Number
Gray	**HC6AxxXX**

xx Standard Colors - **B**=Blue; **GY**=Gray.
XX Standard Lengths - **01**=1'; **03**=3'; **05**=5'; **07**=7'; **10**=10'; **15**=15'; **20**=20'

DIMENSIONS

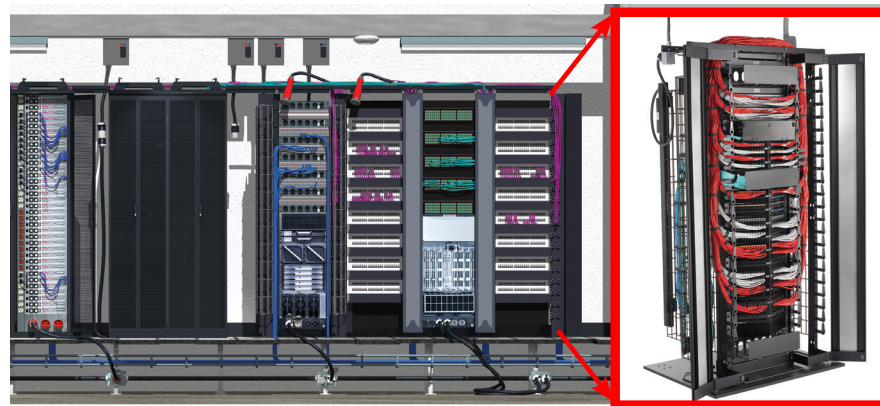## INTEGRATED SOLUTIONS

Cross-Connect Solutions

- Data Center Solutions
- XXL Cable Organizers
- NEXTFRAME® Cable Management
- Velcro® Cable Management
- ShieldBond Grounding Systems
- NEXTSPEED Ascent Horizontal Cable
- BIDnet™

TYPICAL APPLICATION

Cat 6A - 10 Gigabit Ethernet has become the standard for connecting active gear in data centers.

BIDnet™ Cat 6A assemblies provide simplicity between switches, servers and patch panels

Cat 6A delivers high performance computing (HPC) to the desktop.

HUBBELL®
Premise Wiring

www.hubbell-premise.com