

- 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

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

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

NextSpeed[®] Patch Panels Category 6 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[®] 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 1000GBASE-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





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	HP624*	HP624W	HP624A
48	3.50" (45 mm)	2	2	HP648*	HP648W	HP648A
96	7.00" (178 mm)	4	3	HP696		

* Add "E" for panel without cable management

NEXTSPEED® Category 6 89D Surface Mount Panel

Ports	Black Catalog No.
12	HP612



ACCESSORIES

Labels for NEXTSPEED® Category 6 Panel

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

NEXTSPEED® Category 6 Component Jack

1 per package	25 per package
HXJ6XX	HXJ6XX25



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.
HC6XXYY



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	HP6M6



NEXTSPEED® Ascent Category 6 UTP Cable

Plenum Spool	Riser Spool
C6ESPXX	C6ESRXX



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

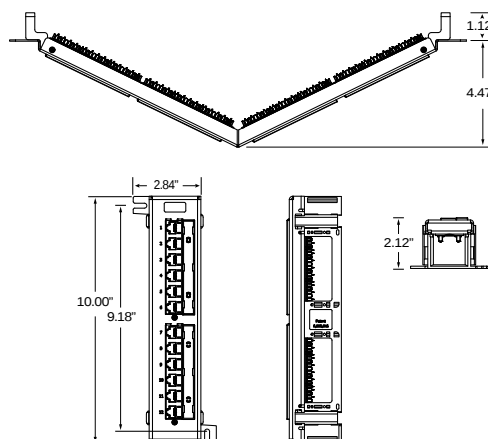
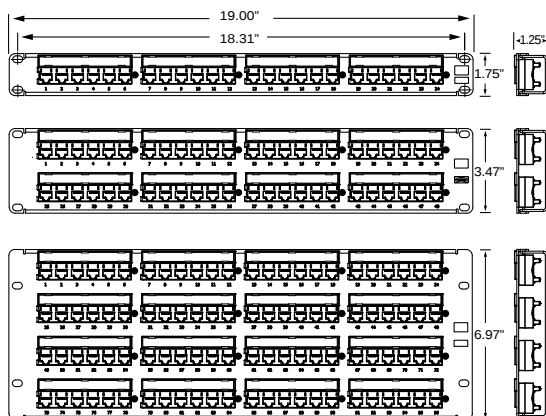


Panel Mount Cable Management Bar for 19" Rack

Description	Catalog No.
Wire Bar	HPRCMB



DIMENSIONS



HUBBELL®
Premise Wiring

www.hubbell-premise.com



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