

- ETL Quarterly Test Program assures Category 6A component compliance
- COBRA-LOCK™ Termination Reduces Termination Time by Over 75% and Actively Retains Termination Integrity
- Designed for Critical, Bandwidth Intensive 10GBASE-T Applications from 10–100m PL
- Bulk Packaging Reduces Excess Waste on the Job



NEXTSPEED® Ascent Category 6A solution is a tuned system of structured cabling components designed and balanced to work together to support bandwidth beyond 625MHz. NEXTSPEED Ascent provides the highest level of reliability with a zero bit error rate of  $10^{-13}$ .



### Features

- Third party verified to exceed TIA and ISO component requirements
- Supports permanent links: 2 – 100 meters
- Enhanced common mode design eliminates residual and reflected NEXT/AXT
- Qualified to 150% of IEEE 802.3bt current level

### Applications

- Bandwidth intensive 10GBASE-T (802.3an)
- Data center
- PoE and PoE++ (IEEE 802.3bt)
- High performance cable applications

### Specifications

- Supports IEEE 10GBASE-T (802.3an)
- Bit error rate tested ( $\leq 1 \times 10^{-13}$ )
- ANSI/TIA-568 Category 6A component, link and channel compliant
- Exceeds ISO 11801 Class EA link/channel and IEC 60603 component requirements
- Supports IEEE PoE++ (4PPoE) (802.3bt) and proposed 4-pair PoE
- Efficient PoE delivery
- Third party tested, Intertek Testing Services (ETL)
- Backward compatible Category 6, 5e



Hubbell is a Solution Developer Partner within the Cisco Developer Network Program

### Category 6A Jack Specifications

- Exceeds TIA 568 component requirements
- Short links (less than 10M) supported
- Designed and tested for 1.5A of continuous current per pair



### Category 6A Jack Standards

- TIA-568 Category 6A component
- IEC 60603 Category 6A component
- Qualified to 150% of IEEE 802.3bt current level
- IEC60512-99-002 for de-matting endurance under PoE load
- IEEE 802.3an 10GBASE-T
- UL Plenum rated



### NEXTSPEED® Ascent Category 6A Jacks with COBRA-LOCK™ Termination

Color	Single Pack
Black	<b>HJU6ABK</b>
Blue	<b>HJU6AB</b>
Gray	<b>HJU6AGY</b>
White	<b>HJU6AW</b>

Add 24 to Catalog Number for 24-pack  
Additional colors: **B** (Brown), **GL** (Gold), **GN** (Green), **EI** (Ivory), **OW** (Office White), **OR** (Orange), **PK** (Pink), **P** (Purple), **R** (Red), **Y** (Yellow)



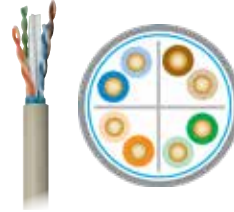
### NEXTSPEED® Field Termination Plugs

Category 6A COBRA-LOCK™ MPTL Plugs	<b>SP6A</b>
Category 6A MPTL Plug with 90° Cable Exit	<b>SP6A90</b>



### NEXTSPEED® Ascent Category 6A Panel Kits

19-inch, Black, COBRA-LOCK™ jacks included		
Format	24-Port	48-Port
Standard	<b>HPJ6A24</b>	<b>HPJ6A48</b>
Angled	<b>HPJ6A24A</b>	<b>HPJ6A48A</b>



### Specifications

- Jacket: (Plenum) 0.267 O.D.; (Riser) 0.275 O.D.
- Conductor: 23 AWG solid bare copper
- Sweep tested to 750MHz

### NEXTSPEED® Ascent Category 6A Reduced Diameter Cable

1000 feet, NVP: Plenum 71%, Riser 66%

Color	Plenum Reel in a Box	Riser Reel in a Box
Blue	<b>C6ASPDSB</b>	<b>C6ASRDSB</b>
Gray	<b>C6ASPDSGY</b>	<b>C6ASRDSGY</b>
White	<b>C6ASPDSW</b>	<b>C6ASRDSW</b>
Yellow	<b>C6ASPDSY</b>	<b>C6ASRDSY</b>

Visit our website for cable requirements, additional colors and spool option.



### NEXTSPEED® Ascent Category 6A Patch Cords

Color	Catalog No.
Black	<b>HC6ABKyy</b>
Blue	<b>HC6AByy</b>
Gray	<b>HC6AGYyy</b>
White	<b>HC6AWyy</b>
Yellow	<b>HC6AYyy</b>

**yy** = Standard Length: **01** (1'), **03** (3'), **05** (5'), **07** (7'), **10** (10'), **15** (15'), **20** (20'); made-to-order lengths available up to 100ft  
Additional colors: **GN** (Green), **OR** (Orange), **PK** (Pink), **P** (Purple), **R** (Red)



### NEXTSPEED® Ascent 6A Low Diameter Patch Cords

Color	Catalog No.
Black	<b>HCL6ABKyy</b>
Blue	<b>HCL6AByy</b>
Gray	<b>HCL6AGYyy</b>
White	<b>HCL6AWyy</b>
Yellow	<b>HCL6AYyy</b>

**yy** = Standard Length: **01** (1'), **03** (3'), **05** (5'), **07** (7'), **10** (10'), **15** (15'), **20** (20'); made-to-order lengths available up to 100ft  
Additional colors: **GN** (Green), **OR** (Orange), **PK** (Pink), **P** (Purple), **R** (Red)