



- Sweep Tested from 1-500MHz
- Flexible Cable Construction for Ease of Installation
- 10GbE Application Assurance for All Standards-Supported Lengths
- RoHS Compliant

**FEATURES**

- Category 6A component compliant
- Unique design to suppress AXT
- Designed for standard bend radius termination
- Standard round cable design
- Rip cord provided for easy cable preparation

**SPECIFICATIONS**

- Conductor: 23AWG Solid Bare Copper
- Insulation CM: HDPE per ASTM D4565-94
- Insulation LSZH: PE per ASTM D4565-94
- Jacket CM: PVC
- Jacket LSZH: LSZH
- Pairing:
  - 1: Blue + Blue/White
  - 2: Orange + Orange/White
  - 3: Green + Green/White
  - 4: Brown + Brown/White
- NVP: 65%

**STANDARDS**

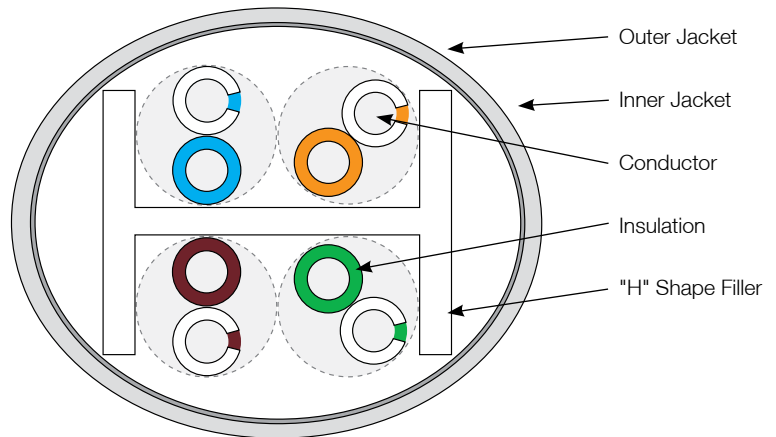
- TIA-568-C.2 cable requirements
- ISO/IEC 11801E<sub>A</sub>
- UL 444
- Flame test: IEC 60332-1

**SPEEDCHANNEL** HUBBELL **Ascent Category 6A UTP Cable**



Hubbell SPEEDCHANNEL Ascent Category 6A cable provides significant margin above all electrical transmission performance requirements specified in TIA/EIA-568-C.2 and ISO/IEC 11801E<sub>A</sub> standards. The cable was designed to suppress Alien Crosstalk (AXT) while maintaining 10 Gigabit Ethernet (10GBASE-T) throughput per IEEE 802.3an.

**CABLE FEATURES**



**APPLICATIONS**

- Ethernet 10/100/1000/10GBASE-T
- Data Center, LAN and storage area cabling infrastructure
- Power Over Ethernet (PoE) applications
- Commercial, medical, government and education facilities
- Bandwidth intensive processing:
  - 3D modeling
  - Broadband video
  - Online document publishing



Ordering Information

SPEEDCHANNEL Ascent Category 6A UTP Cable has been fine tuned to operate with Hubbell Ascent Category 6A jacks, patch panels and patch cords, to deliver maximum Category 6A channel performance.

The Hubbell SPEEDCHANNEL Ascent Category 6A system provides the highest margins in the industry against Category 6A (TIA) and Class E<sub>A</sub> (ISO) performance requirements.

Color	Spools	
	CM Catalog No.	LSZH Catalog No.
Blue	<b>C6ASCSCMB</b>	<b>C6ASC SLSZHB</b>
Gray	<b>C6ASCSCMGY</b>	<b>C6ASC SLSZHG Y</b>
Pink	<b>C6ASCSCMPK</b>	<b>C6ASC SLSZHPK</b>
White	<b>C6ASCSCMW</b>	<b>C6ASC SLSZHW</b>



Electrical Characteristics

Frequency (MHz)	ATT (dB/100m)	RL (dB Min)	NEXT (dB Min)	PS NEXT (dB Min)	ACRF (dB Min)	PS ACRF (dB Min)	PS ANEXT (dB Min)	PS AACRF (dB Min)	PD (ns/100m Max)
1	-	20.0	75.3	72.3	68.0	65.0	67.0	67.0	570.0
4	3.8	23.0	66.3	63.3	56.0	53.0	67.0	66.2	552.0
8	5.3	24.5	61.8	58.8	49.9	46.9	67.0	60.1	546.7
10	5.9	25.0	60.3	57.3	48.0	45.0	67.0	58.2	545.4
16	7.5	25.0	57.2	54.2	43.9	40.9	67.0	54.1	543.0
20	8.4	25.0	55.8	52.8	42.0	39.0	67.0	52.2	542.0
25	9.4	24.3	54.3	51.3	40.0	37.0	67.0	50.2	541.2
31.25	10.5	23.6	52.9	49.9	38.1	35.1	67.0	48.3	540.4
62.5	15.0	21.5	48.4	45.4	32.1	29.1	65.6	42.3	538.6
100	19.1	20.1	45.3	42.3	28.0	25.0	62.5	38.2	537.6
150	23.7	18.9	42.7	39.7	24.5	21.5	59.9	34.7	536.9
200	27.6	18.0	40.8	37.8	22.0	19.0	58.0	32.2	536.5
250	31.1	17.3	39.3	36.3	20.0	17.0	56.5	30.2	536.3
300	34.3	16.8	38.1	35.1	18.5	15.5	55.3	28.7	536.1
400	40.1	15.9	36.3	33.3	16.0	13.0	53.5	26.2	535.8
500	45.3	15.2	34.8	31.8	14.0	11.0	52.0	24.2	535.6

\*Cables that meet the requirements of the characteristic impedance are not required to be measured for return loss; alternately, cables that meet the return loss requirements are not required to be measured for characteristic impedance.

Accessories

NEXTSPEED® Ascent Category 6A Jacks

Exceed TIA and ISO Category 6A component specifications, delivering extended bandwidth and reliability for all LAN, multimedia and PoE applications



Single-pack 25-pack

**HJ6Axx\*** **HJ6Axx25**

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

Light Almond is the same color as Office White.

\*Brown, Gold and Purple available as 25-pack only.

NEXTSPEED® Ascent Category 6A Component Patch Panels

Third party verified for TIA and ISO Category 6A component specifications; the perfect solution for the data center, delivering extended bandwidth and reliability for IEEE Ethernet applications



Format	Width	Color	Catalog No.
Standard	19" (483)	Black	<b>HP6AxxU</b>
Standard	19" (483)	Silver	<b>HP6AxxUS</b>
Angled	19" (483)	Black	<b>HP6AxxAU</b>

**xx** = Port Size: 24 or 48

NEXTSPEED® Ascent Category 6A Patch Cords

Catalog No.

**HC6Axxyy**



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

**yy** = Standard Length: **01** (1'), **03** (3'), **05** (5'), **07** (7'), **10** (10'), **15** (15') and **20** (20'). Made-to-order lengths available from 25ft to 100ft in 5ft increments.