



# HUBBELL NEXTSPEED<sup>®</sup> Ascent Category 6A Reduced Diameter Cable

Reduced 0.265 Jacket O.D.  
 Third Party Verified Category 6A Component Compliant  
 +7dB Alien Crosstalk Headroom Above Standards  
 High Power PoE (4PPoE) Ready

Reduced Diameter Jacket (Plenum) .265 O.D. Tested to 100W



Easy to pull, standard, round jacketed cable

Tested to 650MHz

### SPECIFICATIONS

- ◆ **Conductor:** 23 AWG solid bare copper
- ◆ **Insulation:** CMP: FEP, CMR: thermoplastic
- ◆ **Pairing**
  - 1: White/Blue
  - 2: White/Orange
  - 3: White/Green
  - 4: White/Brown
- ◆ **Jacket**
  - CMP and CMP-LP: 0.6A, FR, low-smoke PVC
  - CMR and CMR-LP: 0.5A, FR PVC
- ◆ **NVP**
  - CMP: 71
  - CMR: 66

### STANDARDS/VERIFICATIONS

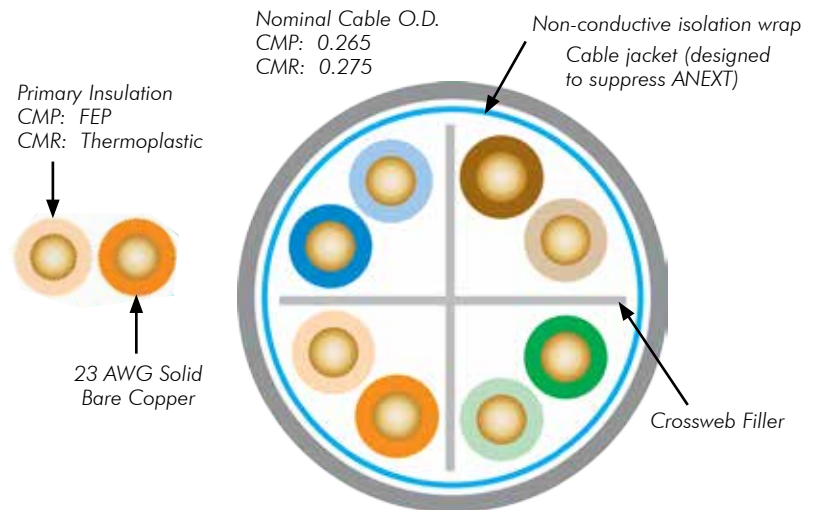
- ANSI/TIA-568-C.2 and ISO/IEC 11801 component compliance
- IEEE 802.3af (PoE), IEEE 802.3at (PoE+), IEEE 802.3bt (4PPoE Type 3 and 4)
- 10BASE-T through 10GBASE-T Ethernet
- NEC Article 800 compliant
- Third party verified
- UL/c(UL) Listed, LP Listed for product safety in high heat/high power PoE applications
- HDBASE-T Certified
- RoHS/RoHS 2 compliant
- REACH compliant

### APPLICATIONS

- ▲ High-performance/high-power PoE applications
- ▲ Data centers 10GbE between devices
- ▲ AV applications up to 100m

Hubbell's NEXTSPEED<sup>®</sup> Ascent Category 6A RD Cables provide a significantly smaller jacket—0.265 O.D. (plenum) or 0.275 O.D. (riser)—allowing contractors to install significantly more drops per location than traditional Category 6A cables. These new cables offer a high-performing, Category 6A component compliant (ANSI/TIA-568-C.2), LP rated solution. NEXTSPEED Ascent RD/LP cables are ideal for new high power IEEE 802.3bt (4PPoE) applications, such as HDBaseT Class A and B, IEEE 802.11ac high bandwidth/high power wireless access point applications, and 10GBASE-T Ethernet 100m solutions.

### CABLE FEATURES



### TEMPERATURE INCREASE AND POWER EFFICIENCY for a Bundle of 100 Cables with 100W Injected

	Temperature Rise in a 100-Cable Bundle	Power Efficiency on 100m at Max Temp
NEXTSPEED <sup>®</sup> Ascent Cat 6A RD Cable	8.2°C	82.8% at 53.2°C



**NEXTSPEED® Ascent Category 6A Reduced Diameter (RD) Cable, 1000ft**

Color	Plenum		Riser	
	Reel in a Box	Spool	Reel in a Box	Spool
Black	<b>C6ASPDSBK</b>	<b>C6ASPPDSBK</b>	<b>C6ASRDSBK</b>	<b>C6ASPRDSBK</b>
Blue	<b>C6ASPDSB</b>	<b>C6ASPPDSB</b>	<b>C6ASRDSB</b>	<b>C6ASPRDSB</b>
Green	<b>C6ASPDSGN</b>	<b>C6ASPPDSGN</b>	<b>C6ASRDSGN</b>	<b>C6ASPRDSGN</b>
Gray	<b>C6ASPDSGY</b>	<b>C6ASPPDSGY</b>	<b>C6ASRDSGY</b>	<b>C6ASPRDSGY</b>
Orange	<b>C6ASPDSOR</b>	<b>C6ASPPDSOR</b>	<b>C6ASRDSOR</b>	<b>C6ASPRDSOR</b>
Purple	<b>C6ASPDS P</b>	<b>C6ASPPDS P</b>	<b>C6ASRDS P</b>	<b>C6ASPRDS P</b>
Red	<b>C6ASPDSR</b>	<b>C6ASPPDSR</b>	<b>C6ASRDSR</b>	<b>C6ASPRDSR</b>
White	<b>C6ASPDSW</b>	<b>C6ASPPDSW</b>	<b>C6ASRDSW</b>	<b>C6ASPRDSW</b>
Yellow	<b>C6ASPDSY</b>	<b>C6ASPPDSY</b>	<b>C6ASRDSY</b>	<b>C6ASPRDSY</b>

**RELATED PRODUCTS**

**NEXTSPEED® Ascent Category 6A Jacks**

Color	Catalog No.	Color	Catalog No.
Black	<b>HJ6ABK</b>	Office White	<b>HJ6AOW</b>
Blue	<b>HJ6AB</b>	Orange	<b>HJ6AOR</b>
Electric Ivory	<b>HJ6AEI</b>	Red	<b>HJ6AR</b>
Gray	<b>HJ6AGY</b>	White	<b>HJ6AW</b>
Green	<b>HJ6AGN</b>	Yellow	<b>HJ6AY</b>

Note: Add **25** to Catalog Number for 25-pack.  
Gold and Purple also available in 25-pack only.

**NEXTSPEED® Ascent Category 6A Component Patch Panels, 19"**

Format	Color	24-Port, 1RU	48-Port, 2RU	96-Port, 4RU
Standard	Black	<b>HP6A24</b>	<b>HP6A48</b>	<b>HP6A96</b>
Standard	White	<b>HP6A24W</b>	<b>HP6A48W</b>	-
Angled	Black	<b>HP6A24A*</b>	<b>HP6A48A*</b>	-

\*Angled panels protrude 4.46" from the plane of the rack. One extra inch of space is recommended between the door and panel angle.

**Jack Patch Panels, Unloaded, 19"**

Format	24-Port, 1RU	48-Port, 2RU	72-Port, 3RU	High-Density, 48-Port, 1RU
Standard	<b>HPJ24</b>	<b>HPJ48</b>	<b>HPJ72</b>	<b>UDX48E1U</b>
Angled	<b>HPJ24A</b>	<b>HPJ48A</b>	-	<b>UDX48A1U</b>

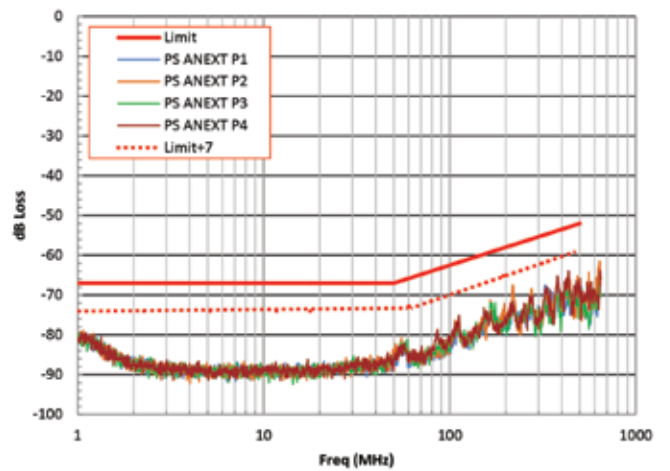
**Category 6A Patch Cords**

Length	Plenum Catalog No.	Standard Catalog No.	28AWG Low Diameter Catalog No.
1'	<b>HC6App01P</b>	<b>HC6Axx01</b>	<b>HCL6Add01</b>
3'	<b>HC6App03P</b>	<b>HC6Axx03</b>	<b>HCL6Add03</b>
5'	<b>HC6App05P</b>	<b>HC6Axx05</b>	<b>HCL6Add05</b>
7'	<b>HC6App07P</b>	<b>HC6Axx07</b>	<b>HCL6Add07</b>
10'	<b>HC6App10P</b>	<b>HC6Axx10</b>	<b>HCL6Add10</b>
15'	<b>HC6App15P</b>	<b>HC6Axx15</b>	<b>HCL6Add15</b>
20'	-	<b>HC6Axx20</b>	<b>HCL6Add20</b>
25'	-	-	<b>HCL6Add25</b>
30'	-	-	<b>HCL6Add30</b>

**pp** = Plenum Colors: **BK** (Black), **B** (Blue), **GY** (Gray), **GN** (Green), **P** (Purple), **W** (White) or **Y** (Yellow)  
**xx** = Standard Colors: **BK** (Black), **B** (Blue), **GY** (Gray), **GN** (Green), **OR** (Orange), **P** (Purple), **R** (Red), **W** (White) or **Y** (Yellow)  
**dd** = Low Diameter Colors: **BK** (Black), **B** (Blue), **GY** (Gray), **W** (White)

**TYPICAL TRANSMISSION PERFORMANCE 100m**

**PS ANEXT Performance**  
100m "6 around 1" setup



**PS AACRF Performance**  
100m "6 around 1" setup

