



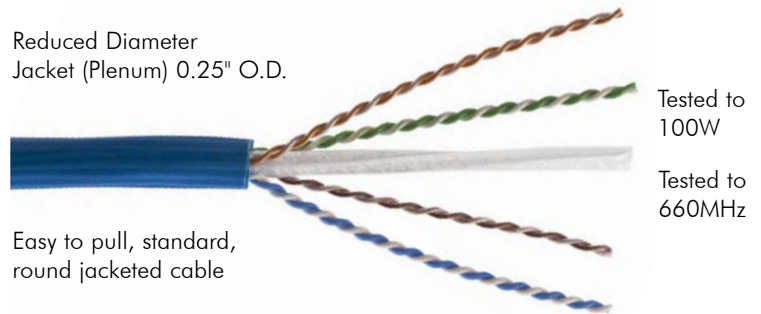
HUBBELL
NEXTSPEED Ascent Category 6A
Reduced Diameter Cable

Reduced 0.25" Jacket O.D.

Third Party Verified Category 6A
Component Compliant

+6dB Alien Crosstalk Headroom
Above Standards

High Power PoE (4PPoE) Ready



SPECIFICATIONS

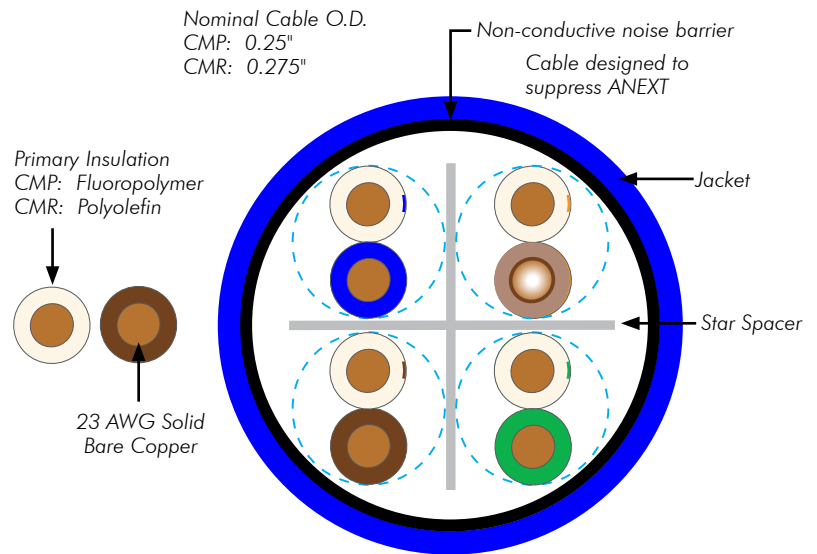
- ◆ **Conductor:** 23 AWG solid bare copper
- ◆ **Pairing:**
 - 2: Blue/White & Blue
 - 2: Orange/White & Orange
 - 3: Green/White & Green
 - 4: Brown/White & Brown
- ◆ **Isolation Wrap:** non-conductive, noise barrier
- ◆ **Jacket:**
 - CMP and CMP-LP: 0.6A, FR, low-smoke PVC
 - CMR: FR PVC
- ◆ **NVP (%):**
 - CMP: 70
 - CMR: 68
- ◆ **Rated Temperature:** CMP 90°C; CMR 75°C

Hubbell's NEXTSPEED® Ascent Category 6A RD Cables provide a significantly smaller jacket—0.25" 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-568.2-D) solution. NEXTSPEED Ascent RD cables are ideal for new high power IEEE 802.3bt (4PPoE) applications, such as HDBaseT Class A and B, IEEE 802.11ax high bandwidth/high power wireless access point applications, and 10GBASE-T Ethernet 100m solutions.

STANDARDS/VERIFICATIONS

- ANSI/TIA-568.2-D and ISO/IEC 11801 component compliance
- IEEE 802.3af (PoE), IEEE 802.3at (PoE+), IEEE 802.3bt (4PPoE Type 3 and 4)
- IEEE 802.3bt 10BASE-T through 10GBASE-T Ethernet
- NEC Article 800 compliant
- Third party verified
- UL/c(UL) Listed
- CMP: CMP-LP: 0.6A
- CSA Type FT6(CMP), CSA Type FT4 (CMR)
- RoHS/RoHS 2 compliant
- REACH compliant

CABLE FEATURES



APPLICATIONS

- ▲ High-performance/high-power Data & PoE applications
- ▲ Data centers 10GbE between devices
- ▲ HDBase-T A & B



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

Color	1,000 ft Spool	
	Plenum	Riser
Black	C6ASPRDBK	C6ASRRDBK
Blue	C6ASPRDB	C6ASRRDB
Green	C6ASPRDGN	C6ASRRDGN
Gray	C6ASPRDGY	C6ASRRDGY
Orange	C6ASPRDOR	C6ASRRDOR
Red	C6ASPRDR	C6ASRRDR
White	C6ASPRDW	C6ASRRDW
Yellow	C6ASPRDY	C6ASRRDY

NEXTSPEED® Category 6A UTP System Components



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

Color	Single Pack
Black	HJU6ABK
Blue	HJU6AB
Gray	HJU6AGY
White	HJU6AW

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



NEXTSPEED® Ascent Category 6A Patch Cords

Color	Standard	Low Diameter
Black	HC6ABKyy	HCL6ABKyy
Blue	HC6AByy	HCL6AByy
Gray	HC6AGYyy	HCL6AGYyy
White	HC6AWyy	HCL6AWyy
Yellow	HC6AYyy	HCL6AYyy

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)
 Add **P** to Catalog Number for Plenum



NEXTSPEED® Ascent Category 6A Panel Kits

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

TRANSMISSION SPECIFICATIONS

TIA/EIA-568.2-D Category 6A Compliant; ISO/IEC 11801 Class EA Compliant

Freq (MHz)	Insertion Loss (dB/100m)	NEXT Minimum (dB/100m)	PSNEXT Minimum (dB/100m)	ACR Minimum (dB/100m)	PSACR Minimum (dB/100m)	ELFEXT (ACRF) Minimum (dB/100m)	PSELFEXT (PSACRF) Minimum (dB/100m)	Return Loss Minimum (dB/100m)	PSANEXT Minimum (dB/100m)	PSAACRF Minimum (dB/100m)
1	2.1	74.3	72.3	72.2	70.2	67.8	64.8	20	73	73
4	3.8	65.3	63.3	61.5	59.5	55.8	52.8	23	73	72.2
8	5.3	60.8	58.8	55.4	53.4	49.7	46.7	24.5	73	66.1
10	5.9	59.3	57.3	53.4	51.4	47.8	44.8	25	73	64.2
16	7.5	56.2	54.2	48.8	46.8	43.7	40.7	25	73	60.1
20	8.4	54.8	52.8	46.4	44.4	41.8	38.8	25	73	58.2
25	9.4	53.3	51.3	44	42	39.8	36.8	24.3	73	56.2
31.25	10.5	51.9	49.9	41.4	39.4	37.9	34.9	23.6	73	54.3
62.5	15	47.4	45.4	32.4	30.4	31.9	28.9	21.5	71.6	48.3
100	19.1	44.3	42.3	25.2	23.2	27.8	24.8	20.1	68.5	44.2
155	24.1	41.4	39.4	17.4	15.4	24	21	18.8	65.6	40.4
200	27.6	39.8	37.8	12.2	10.2	21.8	18.8	18	64	38.2
250	31.1	38.3	36.3	7.3	5.3	19.8	16.8	17.3	62.5	36.2
300	34.3	37.1	35.1	2.9	0.9	18.3	15.3	16.8	61.3	34.7
350	37.2	36.1	34.1	-	-	16.9	13.9	16.3	60.3	33.3
400	40.1	35.3	33.3	-	-	15.8	12.8	15.9	59.3	32.2
500	45.3	33.8	31.8	-	-	13.8	10.8	15.2	58	30.2
555*	47.9	33.1	31.1	-	-	12.9	9.9	14.9	57.3	29.3
660*	52.8	32	30	-	-	11.4	8.4	14.4	56.2	27.8

*Performance values beyond these frequencies are provided for information only.