



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
8.2°C	82.8% at 53.2°C

Specifications

- Reduced Diameter Jacket (Plenum) 0.267 O.D.; (Riser) 0.275 O.D.
- Sweep tested to 750MHz
- Conductor: 23 AWG solid bare copper
- 7dB alien crosstalk headroom

Standards

- UL Verified TIA 568.2-D Category 6A cable
- ISO 11801 Class E_A Category 6A cable
- UL Listed CMP-LP: 0.6A; CMR-LP: 0.5A
- IEEE 802.3af (PoE), IEEE 802.3at (PoE+), IEEE 802.3bt (4PPoE Type 3 and 4)
- 10BASE-T through IEEE 802.3an 10GBASE-T Ethernet

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

NVP: Plenum 71%, Riser 66%

Color	Plenum		Riser	
	Reel in a Box	Spool	Reel in a Box	Spool
Black	C6ASPD SBK	C6ASPPD SBK	C6ASRDS BK	C6ASPRD SBK
Blue	C6ASPD SB	C6ASPPD SB	C6ASRDS B	C6ASPRD SB
Gray	C6ASPD SGY	C6ASPPD SGY	C6ASRDS GY	C6ASPRD SGY
Green	C6ASPD SGN	C6ASPPD SGN	C6ASRDS GN	C6ASPRD SGN
Orange	C6ASPD SOR	C6ASPPD SOR	C6ASRDS OR	C6ASPRD SOR
Purple	C6ASPD SP	C6ASPPD SP	C6ASRDS P	C6ASPRD SP
Red	C6ASPD SR	C6ASPPD SR	C6ASRDS R	C6ASPRD SR
White	C6ASPD SW	C6ASPPD SW	C6ASRDS W	C6ASPRD SW
Yellow	C6ASPD SY	C6ASPPD SY	C6ASRDS Y	C6ASPRD SY



Specifications



- Application: third party qualified for 10 Gigabit Ethernet transmission IEEE 802.3an
- Qualified up to IEEE 802.3bt
- Outer jacket nominal O.D.: 0.310 max
- Conductor: 23 AWG solid bare copper

Standards

- UL Verified TIA 568.2-D Category 6A cable
- ISO 11801 Class E_A Category 6A cable
- UL Listed

NEXTSPEED® Ascent Category 6A UTP Cable

NVP: Plenum 71%, Riser 68%

Color	Plenum Spool	Riser Spool
Black	C6ASPBK	C6ASRBK
Blue	C6ASPB	C6ASRB
Gray	C6ASPGY	C6ASRGY
Green	C6ASPGN	C6ASRGN
Orange	C6ASPOR	C6ASROR
Purple	C6ASPP	C6ASRP
White	C6ASPW	C6ASRW
Yellow	C6ASPY	C6ASRY



See color chart on page B2