



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 | C6ASPDSBK | C6ASPPDSBK | C6ASRDSBK | C6ASPRDSBK |
| Blue | C6ASPDSB | C6ASPPDSB | C6ASRDSB | C6ASPRDSB |
| Gray | C6ASPDSGY | C6ASPPDSGY | C6ASRDSGY | C6ASPRDSGY |
| Green | C6ASPDSGN | C6ASPPDSGN | C6ASRDSGN | C6ASPRDSGN |
| Orange | C6ASPDSOR | C6ASPPDSOR | C6ASRDSOR | C6ASPRDSOR |
| Purple | C6ASPDS P | C6ASPPDS P | C6ASRDS P | C6ASPRDS P |
| Red | C6ASPDSR | C6ASPPDSR | C6ASRDSR | C6ASPRDSR |
| White | C6ASPDSW | C6ASPPDSW | C6ASRDSW | C6ASPRDSW |
| Yellow | C6ASPDSY | C6ASPPDSY | C6ASRDSY | C6ASPRDSY |



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 | |
|--------|----------------|----------------|----------------|----------------|
| | Reel in a Box | Spool | Reel in a Box | Spool |
| Black | C6ASPBK | C6ASRBK | C6ASRBK | C6ASRBK |
| Blue | C6ASPB | C6ASRB | C6ASRB | C6ASRB |
| Gray | C6ASPGY | C6ASRGY | C6ASRGY | C6ASRGY |
| Green | C6ASPGN | C6ASRGN | C6ASRGN | C6ASRGN |
| Orange | C6ASPOR | C6ASROR | C6ASROR | C6ASROR |
| Purple | C6ASPP | C6ASRP | C6ASRP | C6ASRP |
| White | C6ASPW | C6ASRW | C6ASRW | C6ASRW |
| Yellow | C6ASPY | C6ASRY | C6ASRY | C6ASRY |



See color chart on page B2