

Premises Copper > Category 6eX > UTP > Plenum > 4 Pairs > 23 AWG

4X23 NextGain® Category 6eX / CMP / Blue / 1K FT Reel-in-Box

CMP

Part Number: 54-246-2B

Status: Available

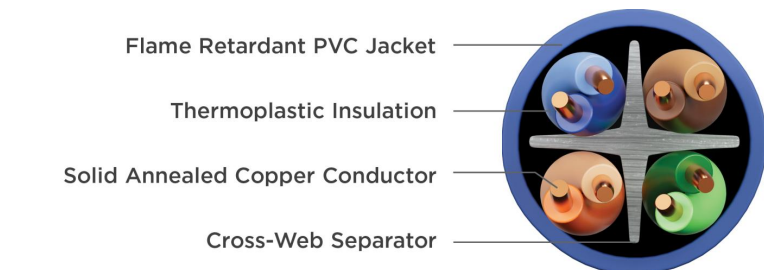


ENVIRONMENTAL SPECIFICATIONS

Operating Temp. Range	-20/+90
Storage/Shipping Temp. Range	-40/+75

PHYSICAL CHARACTERISTICS

Nominal Diameter in (mm)	0.23 (5.7)
Nominal Weight lbs/kft (kg/km)	28 (42)
Pallet Quantity (ft)	27000
Package Length	1000
Package Type	BrakeBox®



MADE IN THE USA

GENERAL SPECIFICATIONS

Jacket	Flame retardant, low smoke PVC
Jacket Color	Blue
End User Application	Enterprise, Residential, LAN
Environment	Indoor
Standards Compliance	UL 444 CSA C22.2 No.214-08 NFPA 262 ANSI/TIA-568.2-D Article 800, NEC (NFPA 70)

COPPER SPECIFICATIONS

Pair Count	4
Conductor	Solid annealed copper
Conductor Count	8
AWG (mm)	23 (0.57)
Insulation	FEP
Insulation Colors	Color Tip®: Light Blue, Blue, Light Orange, Orange, Light Green, Green, Light Brown, Brown
Separator	Cross-Web
Characteristic Impedance (Ohms)	100 ± 15
Voltage Rating	300
Nominal Velocity of Propagation (%)	74

Product Description

NextGain® Category 6eX cable brings UTP performance to a new level. Guaranteed for 7 dB of margin (headroom) over base requirements of CAT 6 NEXT standards, this cable maximizes bandwidth for today's leading edge applications and those of the future. With positive ACR verified beyond 300 MHz, NextGain® CAT 43eX cable demonstrates superior capability for ATM, Gigabit Ethernet and other bandwidth intensive applications.

Applications

- 10BASE-T through 40GBASE-T Ethernet
- Power over Ethernet (PoE) – IEEE 802.3bt Type 1 to 40
- ATM and token ring
- Supports legacy protocols and applications

Features

- UL® Certified Environmental Product Declaration (EPD)
- Health Product Declaration™ (HPD™)
- Multi-Attribute Certification by GreenCircle Certified, LLC
- Guaranteed NEXT of 7 dB greater than CAT 7 requirements
- Guaranteed ACR of 30 dB at 100 MHz and 11.7 dB at 286 MHz
- Exceptional performance over CAT 42 requirements
- BrakeBox® payout control system

Benefits

- Contributes toward 1 LEED point under the Material and Resources cRedit (MRc)
- Contributes toward 37 LEED point under the MRc
- Offers an overview of the sustainability of a product, its packaging and manufacturing
- “Future-proofing” the cable installation
- Performance assurance for multiple high-bandwidth applications (e.g., fast Ethernet, ATM, Gigabit Ethernet)
- Reduces BER, improving network efficiency
- Adjustable tension control on reel prevents over spin and entangling of cable

- Warranted with numerous connectivity manufacturers
- CableID® alpha numeric code printed every 38 feet
- QuickCount® marking system in feet and meters
- ColorTip® circuit identification system
- Offers flexibility in selection of connectivity solutions
- Allows both ends of a cable run to be easily identifiable without the need to separately label or tone the cable
- Provides remaining length of cable on reel
- Easily identifiable conductor mates even in low-light environments
- Color coded box labels
- Easily identifies jacket colors

SUSTAINABILITY CERTIFICATIONS

