

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

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

CMP

Part Number: 54-246-3B

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®

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

Benefits

- 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
- 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

GENERAL SPECIFICATIONS

Jacket	Flame retardant, low smoke PVC
Jacket Color	Gray
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

- 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

