

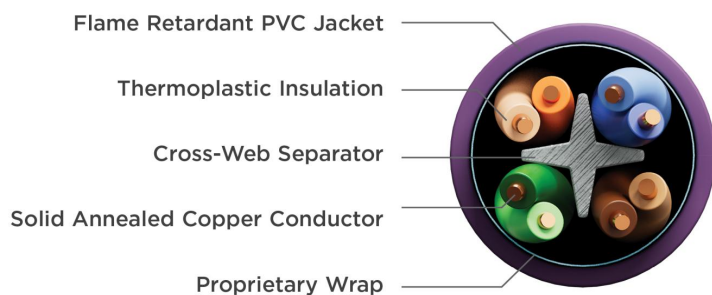
Premises Copper > Category 6A > UTP > Plenum > 4 Pairs > 23 AWG

4X23 10Gain® Category 6A, 1K FT BrakeBox®

CMP

Part Number: 6A-246-7B

Status: Available



MADE IN THE USA

RoHS REACH

GENERAL SPECIFICATIONS

Jacket	Flame retardant, low smoke PVC
Jacket Color	Purple
End User Application	Enterprise, Residential, LAN, Datacenter
Environment	Indoor
Standards Compliance	UL 444 CSA C22.2 No.214-08 UL 1666 ANSI/TIA-568.2-D Article 800, NEC (NFPA 70)
NRTL Programs	UL Verified CAT 6A UL Listed CMP-LP (0.5) c(UL) Listed CMP

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,

COPPER SPECIFICATIONS

	Light Brown, Brown
Separator	Cross-Web
Core Wrap	Proprietary construction
Characteristic Impedance (Ohms)	100+-15
Voltage Rating	300
Nominal Velocity of Propagation (%)	71

PHYSICAL CHARACTERISTICS

Nominal Diameter in (mm)	0.275 (6.99)
Nominal Weight lbs/kft (kg/km)	34 (50)
Pallet Quantity (ft)	27000
Package Length	1000
Package Type	Reel
Packages per Pallet	12

Product Description

This CAT 6A cable meets or exceeds all industry requirements including ANSI/TIA-568.2-D. The cable utilizes a proprietary core wrap which assures excellent alien crosstalk performance. This cable fully complies with UL 444 requirements for an unshielded twisted pair product.

Applications

- 10BASE-T through 10GBASE-T Ethernet
- Power over Ethernet (PoE) - IEEE 802.3bt Type 1 to 4
- ATM and token ring
- Backward compatible to legacy protocols and applications
- HDBaseT Class A and B

Features

- UL Certified Environmental Product Declaration (EPD)
- Health Product Declaration™ (HPD™)
- Multi-Attribute Certification by GreenCircle Certified, LLC
- Guaranteed 1dB AXT margin
- UL Verified CAT 6A

Benefits

- Contributes toward 1 LEED point under the Material and Resources credit (MRc)
- Contributes toward 1 LEED point under the MRc
- Offers an overview of the sustainability of a product, its packaging and manufacturing
- Guaranteed AXT performance in virtually any installation environment
- Assures consistent, worry-free performance

- Tested to 650 MHz
- Nominal 0.285 (CMR) inch diameter
- Proprietary core wrap
- CableID® alpha numeric code printed every 2 feet
- QuickCount® marking system in feet and meters
- ColorTip® circuit identification system
- Assures ample bandwidth headroom
- Higher cable density, smaller bend radius and lowers installation costs
- Provides substantially more AXT protection without grounding or bonding
- 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



Technical Guideline

SUSTAINABILITY CERTIFICATIONS

