

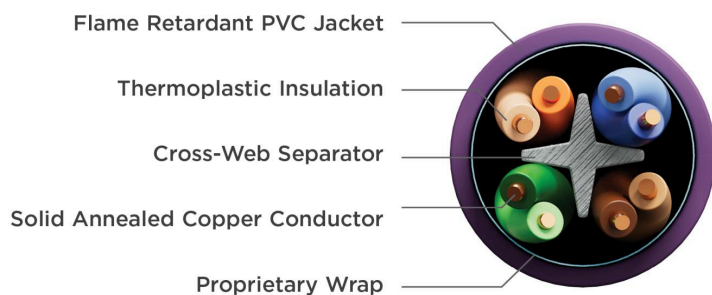
Premises Copper > Category 6A > UTP > 4 Pairs > 23 AWG

10Gain® XP+ Category 6A / Indoor / 4 Pairs / 23 AWG / CMP / Purple / 1K FT BrakeBox®

CMP

Part Number: 6B-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) RoHS-compliant/RoHS 2-compliant REACH-compliant
NRTL Programs	UL Verified CAT 6A UL Listed CMP-LP (0.5) c(UL) Listed CMP RoHS-compliant/RoHS 2-compliant REACH-compliant

COPPER SPECIFICATIONS

Pairs	4
Conductor	Solid annealed copper
Conductor Count	8
AWG (mm)	23 (0.57)

COPPER SPECIFICATIONS

Insulation	FEP
Insulation Colors	ColorTip®: Pair 1: Light Blue / Blue Pair 2: Light Orange / Orange Pair 3: Light Green / Green Pair 4: Light Brown / Brown
Separator	Cross-Web
Core Wrap	Proprietary construction
Characteristic Impedance (Ohms)	100 ± 15
Nominal Velocity of Propagation (%)	71

PHYSICAL CHARACTERISTICS

Nominal Diameter in (mm)	0.249 (6.32)
Nominal Weight lbs/kft (kg/km)	34 (50)
Pallet Quantity (ft)	12000
Package Length	1000
Package Type	BrakeBox®
Packages per Pallet	12

Product Description

10Gain® XP+ Category 6A cable meets or exceeds all industry requirements including ANSI/TIA-568.2-D. This 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. 10Gain® XP+ has a nominal 0.249" (CMP) or 0.275" (CMR) diameter that allows for higher cable density than other Category 6A cable products. 10Gain® XP+ is ideal for PoE applications requiring higher levels of current and simultaneously up to 10 Gigabit Ethernet.

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™)

Benefits

- Contributes toward 1 LEED point under the Material and Resources credit (MRc)
- Contributes toward 1 LEED point under the MRC

- Multi-Attribute Certification by GreenCircle Certified, LLC
- Guaranteed 15 dB AXT margin
- UL Verified CAT 6A
- Tested to 650 MHz
- Nominal 0.249 (CMP) inch diameter
- Proprietary core wrap
- CableID® alpha numeric code printed every 2 feet
- 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
- 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
- QuickCount® marking system in feet and meters
- ColorTip® circuit identification system
- Provides remaining length of cable on reel
- Easily identifiable conductor mates even in low-light environments

**Cautionary Information**

Do not use as a substitute for Outside Plant (OSP) cables. Do not use in conduit or direct burial which can flood. These cables are not designed for extended exposure to water.

SUSTAINABILITY CERTIFICATIONS