

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

## 4X23 10Gain® XP+ Category 6A / CMP / Orange / 1K FT BrakeBox®

CMP

**Part Number:** 6B-246-DB

**Status:** Available

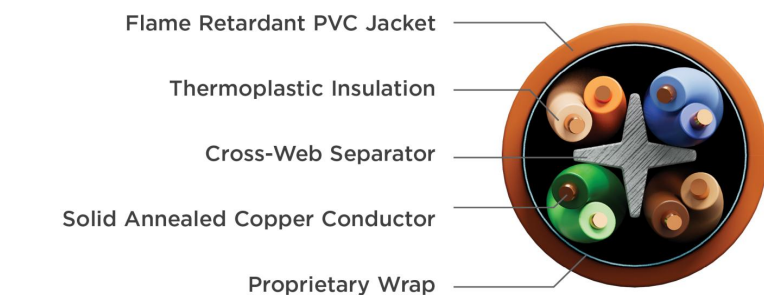


### COPPER SPECIFICATIONS

|                                            |                                                                                            |
|--------------------------------------------|--------------------------------------------------------------------------------------------|
| <b>Insulation Colors</b>                   | Color Tip®: Light Blue, Blue, Light Orange, Orange, Light Green, Green, Light Brown, Brown |
| <b>Separator</b>                           | Cross-Web                                                                                  |
| <b>Core Wrap</b>                           | Proprietary construction                                                                   |
| <b>Characteristic Impedence (Ohms)</b>     | 100+-15                                                                                    |
| <b>Nominal Velocity of Propagation (%)</b> | 71                                                                                         |

### PHYSICAL CHARACTERISTICS

|                                       |              |
|---------------------------------------|--------------|
| <b>Nominal Diameter in (mm)</b>       | 0.250 (6.35) |
| <b>Nominal Weight lbs/kft (kg/km)</b> | 34 (50)      |
| <b>Package Length</b>                 | 1000         |
| <b>Package Type</b>                   | BrakeBox®    |
| <b>Packages per Pallet</b>            | 12           |



MADE IN THE USA

RoHS REACH

### GENERAL SPECIFICATIONS

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

### Product Description

10 Gain XP+ CAT 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 0.25" (CMP) or 0.275" (CMR) diameter that allows for higher cable density than other CAT 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™)
- Multi-Attribute Certification by GreenCircle Certified, LLC
- Guaranteed 15 dB AXT margin

### 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

### COPPER SPECIFICATIONS

|                        |                       |
|------------------------|-----------------------|
| <b>Pair Count</b>      | 4                     |
| <b>Conductor</b>       | Solid annealed copper |
| <b>Conductor Count</b> | 8                     |
| <b>AWG (mm)</b>        | 23 (0.57)             |
| <b>Insulation</b>      | FEP                   |

- UL Verified CAT 6A
- Tested to 650 MHz
- Nominal 0.250 (CMP) inch diameter
- Proprietary core wrap
- CableID® alpha numeric code printed every 2 feet
- QuickCount® marking system in feet and meters
- 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
- Provides remaining length of cable on reel
- ColorTip™ circuit identification system
- Easily identifiable conductor mates even in low-light environments



### **Technical Guideline**



### **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**

