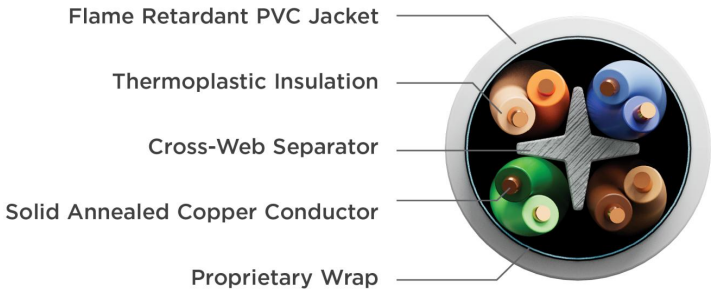


Premises Copper > Category 6A > UTP > Plenum > 4 Pairs > 23 AWG

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

CMP

**Part Number:** 6A-272-4B  
**Status:** Available



| GENERAL SPECIFICATIONS |                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------|
| Jacket                 | Flame retardant, low smoke PVC                                                             |
| Jacket Color           | White                                                                                      |
| End User Application   | Enterprise, Residential, LAN, Datacenter                                                   |
| Environment            | Indoor                                                                                     |
| Standards Compliance   | UL 444<br>CSA C22.2 No.214-08<br>UL 1666<br>ANSI/TIA-568.2-D<br>Article 800, NEC (NFPA 70) |
| NRTL Programs          | UL Verified CAT 6A<br>UL Listed CMP-LP (0.5)<br>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 Impedence (Ohms)     | 100+-15                  |
| Voltage Rating                      | 300                      |
| Nominal Velocity of Propagation (%) | 71                       |

| PHYSICAL CHARACTERISTICS       |               |
|--------------------------------|---------------|
| Nominal Diameter in (mm)       | 0.285 ( 7.24) |
| Nominal Weight lbs/kft (kg/km) | 31 (47)       |
| Pallet Quantity (ft)           | 20000         |
| Package Length                 | 1000          |
| Package Type                   | Reel          |
| Packages per Pallet            | 20            |

**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                                                                                                                                                                                                                                                                                   | Benefits                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• UL Certified Environmental Product Declaration (EPD)</li><li>• Health Product Declaration™ (HPD™)</li><li>• Multi-Attribute Certification by GreenCircle Certified, LLC</li><li>• Guaranteed 1dB AXT margin</li><li>• UL Verified CAT 6A</li></ul> | <ul style="list-style-type: none"><li>• Contributes toward 1 LEED point under the Material and Resources credit (MRc)</li><li>• Contributes toward 1 LEED point under the MRc</li><li>• Offers an overview of the sustainability of a product, its packaging and manufacturing</li><li>• Guaranteed AXT performance in virtually any installation environment</li><li>• Assures consistent, worry-free performance</li></ul> |

- 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

