

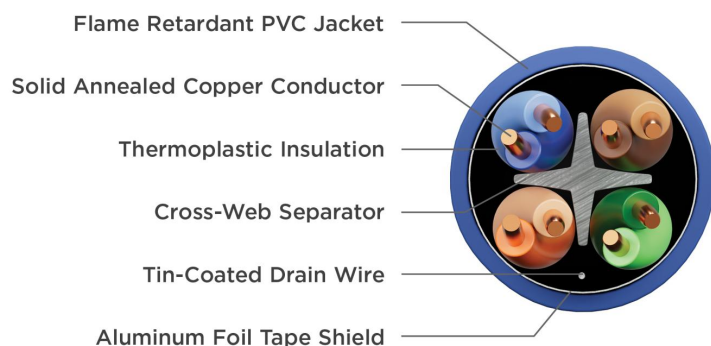
Premises Copper > Category 6+ > UTP > Riser > 4 Pairs > 23 AWG

4x23 Category 6+ F/UTP (ScTP) / CMR / Blue

CMR

Part Number: 6T-272-2A

Status: Available



GENERAL SPECIFICATIONS

Jacket	Flame retardant PVC
Jacket Color	Blue
Cable Configuration	Copper pairs surrounded by aluminum PET foil with an outer drain wire and jacket
Environment	Indoor
Standards Compliance	UL 444 CSA C22.2 No.214-08 UL 1666 NFPA 262 ANSI/TIA-568.2-D ANSI/CEA S-90-661-2012 Article 800, NEC (NFPA 70) HDBaseT Class A and B
NRTL Programs	UL Verified CAT 6; UL, c(UL) Listed CMR HDBaseT Certified

COPPER SPECIFICATIONS

Pair Count	4
Conductor	Solid annealed copper
Conductor Count	8

COPPER SPECIFICATIONS

AWG (mm)	23 (0.57)
Insulation	Thermoplastic
Insulation Colors	Color Tip®: Light Blue, Blue, Light Orange, Orange, Light Green, Green, Light Brown, Brown
Shield	Aluminum/PET with 10% overlap
Drain Wire	Tinned copper
Separator	Cross-Web
Characteristic Impedence (Ohms)	100 ± 15
Nominal Velocity of Propagation (%)	66

PHYSICAL CHARACTERISTICS

Nominal Diameter in (mm)	0.29 (7.3)
Nominal Weight lbs/kft (kg/km)	32 (48)
Package Length	1000
Package Type	Reel
Packages per Pallet	12

Product Description

Category 6+ F/UTP (ScTP) cable, with guaranteed performance out to 500 MHz, exceeds ANSI/TIA-568.2-D for CAT 6 cables. The cable is UL Verified CAT 6 and has a typical Alien Crosstalk margin of 18 dB. The cable can be used for 10GBASE-T applications for up to 55 meters per ANSI/TIA/EIA-TSB-155.

The cable consists of four (4) balanced 23 AWG copper pairs around a flame retardant cross-web. The core is wrapped with a Mylar® backed aluminum foil. A drain wire is applied longitudinally against the tape. The cable is then protected with a flexible riser or plenum rated PVC jacket. Category 6+ F/UTP (ScTP) is certified for HD A/V applications using HDBaseT Class A and B protocol.

Applications

- 10GBASE-T (up to 55 meters), 1000BASE-T, 100BASE-T and legacy Ethernet applications
- Power over Ethernet (PoE) - IEEE 802.3bt Type 1 to 4
- ATM and token ring
- 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
- Overall shielded core
- Guaranteed performance to 500 MHz
- Exceeds ANSI/TIA-568.2-D specification for CAT 6 cable
- Offers an overview of the sustainability of a product, its packaging and manufacturing
- Protects against EMI/RFI
- 18 dB typical margin Alien Crosstalk performance
- Assures ample headroom for existing and future high bandwidth applications
- Allows for 10GBASE-T applications up to 55 meters
- performance
- CableID® alpha numeric code printed every 2 feet
- QuickCount® marking system in feet and meters
- ColorTip® circuit identification system
- HDBaseT Class A and B certified
- 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
- Ideal for any A/V applications up to 100m channel