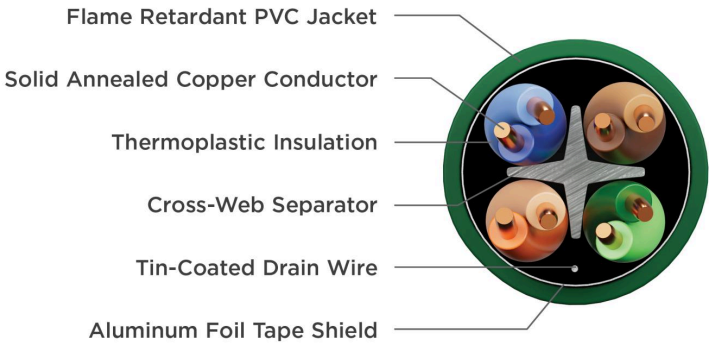
Premises Copper > Category 6A > F/UTP > 4 Pairs > 23 AWG

4X23 Category 6A F/UTP (ScTP) / CMP / Green / 1K FT Reel-in-Box

CMP

Part Number: 6F-246-5B
Status: Available



MADE IN THE USA RoHS REACH

GENERAL SPECIFICATIONS

Jacket	Flame retardant, low smoke PVC
Jacket Color	Green
Cable Configuration	Copper pairs surrounded by aluminum PET foil with an inner drain wire and jacket
End User Application	Enterprise, Residential, LAN
Environment	Indoor
Standards Compliance	UL 444 CSA C22.2 No.214-08 UL 1666 ANSI/TIA-568.2-D
NRTL Programs	UL Verified CAT 6A / UL Listed, c(UL) Listed CMP

COPPER SPECIFICATIONS

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

COPPER SPECIFICATIONS

Insulation Colors	Color Tip®: Light Blue/Blue, Light Orange/Orange, Light Green/Green, Light Brown/Brown
Shield	Aluminum Foil Tape Shield
Drain Wire	Stranded tinned copper
Separator	Cross-Web
Characteristic Impedence (Ohms)	100 ± 15
Nominal Velocity of Propogation (%)	69

PHYSICAL CHARACTERISTICS

Nominal Diameter in (mm)	0.27 (6.9)
Nominal Weight lbs/kft (kg/km)	37 (55)
Pallet Quantity (ft)	27000
Package Length	1000
Package Type	BrakeBox®
Packages per Pallet	12

Product Description

Category 6A F/UTP (ScTP) cable, swept out to 600 MHz, meets or exceeds ANSI/TIA-568.2-D for CAT 6A cables, a requirement for 10GBASE-T applications. The cable is UL® Verified CAT 6A and has a typical Alien Crosstalk margin of 18 dB.

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

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

Features

- UL Certified Environmental Product Declaration (EPD)
- Health Product Declaration™ (HPD™)
- Multi-Attribute Certification by GreenCircle Certified, LLC

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

*© 2025 Superior Essex Inc. All information, content, data, specifications, packaging and part numbers detailed herein are subject to change. Purchase of this product is subject exclusively to the then current **Superior Essex Inc. Terms and Conditions of Sale for Communications Cable, Wire and Connectivity Products.***

- Overall shielded core
- Exceeds ANSI/TIA-568.2-D specification for CAT 6A cable performance
- CableID® alpha numeric code printed every 2 feet
- QuickCount® marking system in feet and meters
- ColorTip® circuit identification system
- UL LP listed
- Temperature cable rating: 75°C for CMR and 90°C for CMP
- Protects against EMI/RFI 18 dB typical margin Alien Crosstalk performance
- Exceeds requirements for Alien Crosstalk performance
- 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
- Easily identifiable conductor mates even in low-light environments
- Third-party assurance of product safety in high-heat and high-power applications

Technical Guideline

Cautionary Information

Do not use as a substitute for Outside Plant (OSP) cables or direct burial.

SUSTAINABILITY CERTIFICATIONS

© 2025 Superior Essex Inc. All information, content, data, specifications, packaging and part numbers detailed herein are subject to change. Purchase of this product is subject exclusively to the then current ***Superior Essex Inc. Terms and Conditions of Sale for Communications Cable, Wire and Connectivity Products.***