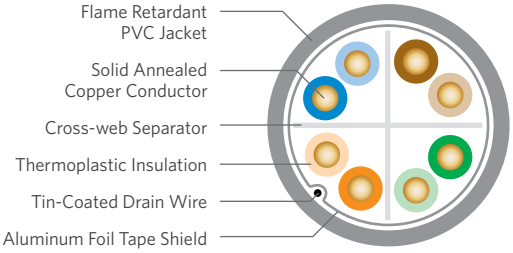
Category 6A F/UTP (ScTP)

CMR/CMP

MADE IN THE USA



PRODUCT DESCRIPTION

FIRST MANUFACTURER IN THE INDUSTRY
to offer products that contribute toward LEED!

Category 6A F/UTP (ScTP) cable, swept out to 650 MHz, meets or exceeds ANSI/TIA-568-C.2 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 802.3af
- 4PPoE+ - IEEE 802.3bt Type 3 and 4 draft D1.2
- ATM and token ring
- Backward compatible to legacy protocols and applications

SPECIFICATIONS

Configuration	Copper pairs surrounded by aluminum PET foil with an outer drain wire and jacket
Pair Count	4
Conductor	Solid annealed copper
AWG (mm)	23 (0.57)
Insulation	CMR: Thermoplastic CMP: FEP
Insulation Colors	Pair 1: ColorTip Light Blue, Blue Pair 2: ColorTip Light Orange, Orange Pair 3: ColorTip Light Green, Green Pair 4: ColorTip Light Brown, Brown
Separator	Cross-web
Shield	Aluminum/PET
Drain Wire	Tinned copper
Jacket	CMR: Flame retardant (FR) PVC CMP: FR, low smoke PVC
Characteristic Impedance Ohms	100 ± 15
Nominal Velocity of Propagation %	CMR: 66 CMP: 71
Performance Compliance	UL 444 CSA C22.2 No. 214-08 UL 1666 NFPA 262 ANSI/TIA-568-C.2 Article 800, NEC (NFPA 70)
NRTL Programs	UL Verified CAT 6A UL Listed CMR-LP (0.5) c(UL) Listed CMR UL Listed CMP-LP (0.6) c(UL) Listed CMP
Sustainability	UL Certified EPD HPD Multi-Attribute Certification USGBC® Member RoHS-compliant/RoHS 2-compliant REACH-compliant

FEATURES	BENEFITS
• UL Certified Environmental Product Declaration (EPD)	• Contributes toward 1 LEED point under the Material and Resources credit (MRc)
• Health Product Declaration™ (HPD™)	• Contributes toward 1 LEED point under the MRc
• Multi-Attribute Certification by GreenCircle Certified, LLC	• Offers an overview of the sustainability of a product, its packaging and manufacturing
• Overall shielded core	• Protects against EMI/RFI • 18 dB typical margin Alien Crosstalk performance
• Exceeds ANSI/TIA-568-C.2 specification for CAT 6A cable performance	• Exceeds requirements for Alien Crosstalk performance
• CableID® alpha numeric code printed every 2 feet	• 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	• Provides remaining length of cable on reel
• ColorTip® circuit identification system	• Easily identifiable conductor mates even in low-light environments
• UL LP listed	• Third-party assurance of product safety in high-heat and high-power applications
• ColorTip® circuit identification system	• Easily identify conductor mates even in low-light environments
• Temperature cable rating: 75°C for CMR and 90°C for CMP	• Temperature rating of the insulation AND of the jacket provide improved cable lifespan despite high-heat and high-power applications

PART NUMBERS AND PHYSICAL CHARACTERISTICS

Listing	Part Number[1]	Nominal Diameter in (mm)	Approx. Weight lbs/kft (kg/km)	Package	Packages per Pallet
CMR	6F-246-xA	0.29 (7.3)	32 (48)	1,000' BrakeBox®	12
CMR	6F-272-xA	0.29 (7.3)	32 (48)	1,000' Plywood reel	12
CMR	6F-273-xA	0.29 (7.3)	32 (48)	2,500' Plywood reel	8
CMP	6F-246-xB	0.28 (7.1)	37 (55)	1,000' BrakeBox	12
CMP	6F-272-xB	0.28 (7.1)	37 (55)	1,000' Plywood reel	12
CMP	6F-273-xB	0.28 (7.1)	37 (55)	2,500' Plywood reel	8

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