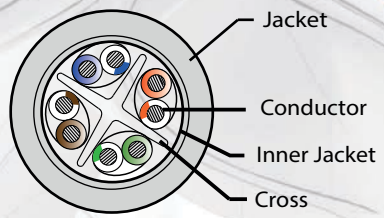
LTC6AUTPCMR85

LAN CABLE CAT6A SOLID UTP CM

The Lamatel LTC6AUTPCMR85 is a high-performance Category 6A (Cat6A) unshielded twisted pair (UTP) LAN cable engineered for modern high-speed data and voice networks. Designed for 10 Gigabit Ethernet (10GBase-T) and backward compatible with Gigabit Ethernet (1000Base-T) and lower-speed systems, this cable provides exceptional signal integrity, low crosstalk, and maximum transmission performance across extended distances.
Manufactured using 23 AWG solid bare copper conductors and high-density polyethylene (HD-PE) insulation, the LTC6AUTPCMR85 ensures long-term stability, consistent performance, and compliance with the most stringent industry standards.



Cat 6 UTP Outdoor

Key Features

• Category 6A Certified: Compliant with ANSI/TIA-568-C.2 Cat6A standards, delivering 10GBase-T data transmission up to 100 meters.
• High-Speed Capability: Supports 10 Gigabit Ethernet (10GBase-T) and 1 Gigabit Ethernet (1000Base-T), ideal for high-bandwidth applications.
• Superior Conductor Material: Constructed with 23 AWG solid bare copper for enhanced conductivity, lower resistance, and improved signal stability.

Applications

• Structured cabling for commercial and residential buildings
• High-speed Ethernet networks (10/100/1000 Mbps)
• 10 Base-T, 100 Base-T (IEEE802.3)
• 1000 Base-Tx Gigabit Ethernet
• Broadband Video
• VoIP and video conferencing systems

Specifications

Parameter	Specification
Model	LTC6AUTPCMR85
Cable Type	Category 6A UTP (Unshielded Twisted Pair)
Conductor Type	23 AWG Solid Bare Copper
Insulation Material	High-Density Polyethylene (HD-PE)
Jacket Material	PVC (CM Rated)
Jacket Color	Gray
Conductor Configuration	4 Twisted Pairs with Cross Separator
Compliance	RoHS / REACH Compliant
Impedance	100 ± 15 ohms (1–600 MHz)
Capacitance (Pair to Ground)	≤ 330 pF / 100 m
Propagation Delay Skew	≤ 45 ns / 100 m
Dielectric Strength	AC 500V / 1 minute
Temperature Range	-20°C to +75°C (Operating)
Packaging	305 m (1000 ft) Pull Box or Reel