

LTC6AULSZH85

LAN Cable CAT6a Solid UTP LSZH

The LTC6AULSZH85 LAN Cable is a CAT6a solid UTP cable designed for high-speed and reliable network connections. Featuring a Low Smoke Zero Halogen (LSZH) jacket, it is ideal for installations in confined or public spaces where fire safety and minimal toxic smoke emission are critical. This cable supports 10 Gigabit Ethernet, making it perfect for commercial, residential, and industrial networking applications.

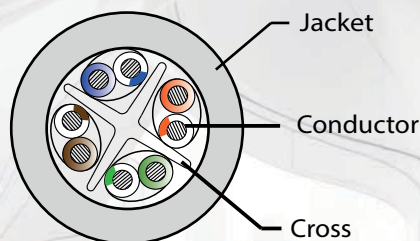
Ideal for structured cabling in commercial buildings, data centers, and enterprise networks, this CAT6a cable supports up to 10 Gigabit Ethernet over distances up to 100 meters.

Key Features

- CAT6a solid UTP for high-speed data up to 1 Gbps
- CMR (riser) rated for vertical installations
- 23 AWG solid copper conductors
- Supports bandwidth up to 250 MHz
- Durable PVC jacket
- Standards compliant (TIA/EIA & ISO/IEC)

Key Highlights

- Low Crosstalk: Ensures stable high-speed data.
- LSZH Jacket: Flame-retardant, low-smoke, safe for enclosed spaces.
- Standards Compliance: ANSI/TIA-568-C.2, ISO/IEC 11801, RoHS, UL.
- Durable & Reliable: Solid copper core for long-term use.
- Easy Installation: Bulk spools for custom lengths.



Cat 6 UTP

Specifications

Specifications	
Conductor	Solid Bare Copper, 4P AWG23
Conductor Size	1/0.59 mm
Insulation	PE 0.28 mm, Dia 1.15 mm
Jacket	LSZH 0.65 mm, OD 8.5 ± 0.2 mm
Rated Voltage	30 V
Rated Temp	80 °C
Product Certification	UL 20851
Flame	FT2
Application	Internal wiring of electronic equipment (Class 2)



LTC6AULSZH85

LAN Cable CAT6a Solid UTP LSZH

Electrical Specifications

Freq (MHz)	Atten (dB/100 m)	NEXT (dB)	PSNEXT (dB)	ACRF (dB)	PSACRF (dB)	RL (dB)	Delay (ns/100 m)	PS ANEXT (dB)	PS AACRF (dB)
1	2.1	74.3	72.3	67.8	64.8	20	570	67	67
4	3.8	65.3	63.3	55.8	52.8	23	552	67	66.2
8	5.3	60.8	58.8	49.7	46.7	24.5	547	67	60.1
10	5.9	59.3	57.3	47.8	44.8	25	545	67	58.2
16	7.5	56.2	54.2	43.7	40.7	25	543	67	54.1
20	8.4	54.8	52.8	41.8	38.8	25	542	67	52.2
25	9.4	53.3	51.3	39.8	36.8	24.3	541	67	50.2
31.25	10.5	51.9	49.9	37.9	34.9	23.6	540	67	48.3
62.5	15	47.4	45.4	31.9	28.9	21.5	539	65.6	42.3
100	19.1	44.3	42.3	27.8	24.8	20.1	538	62.5	38.2
200	27.6	39.8	37.8	21.8	18.8	18	537	58	32.2
250	31.1	38.3	36.3	19.8	16.8	17.3	536	56.5	30.2
300	34.3	37.1	35.1	18.3	15.3	16.8	536	55.3	28.7
400	40.1	35.3	33.3	15.8	12.8	15.9	536	53.5	26.2
500	45.3	33.8	31.8	13.8	10.8	15.2	536	52	24.2
550	47.7	33.2	31.2	—	—	14.9	—	—	—
600	50.1	32.6	30.6	—	—	14.7	—	—	—

Applications

- Structured cabling for commercial and residential buildings
- High-speed Ethernet networks (10/100/1000 Mbps)
- Power over Ethernet (PoE) devices such as IP cameras and access points
- Data centers and server rooms
- VoIP and video conferencing systems

Industry Standards

- UL Listed LSZH*
- Product Standard Certification: UL20851
- Verified to ANSI/TIA-568-C.2 CAT.6

