

LTC6AUCMR85

LAN CABLE CAT6A SOLID UTP CMR

Conductor:

Conductor: 23AWG Bare Solid Copper
Insulation: HD-PE
PVC Jacket available
RoHS / Reach compliant

Applications:

10G Base T
1000Base T (IEEE 802.3ab)
Telephone and other communication circuits such as voice, data, and audio for on-premise customer systems.

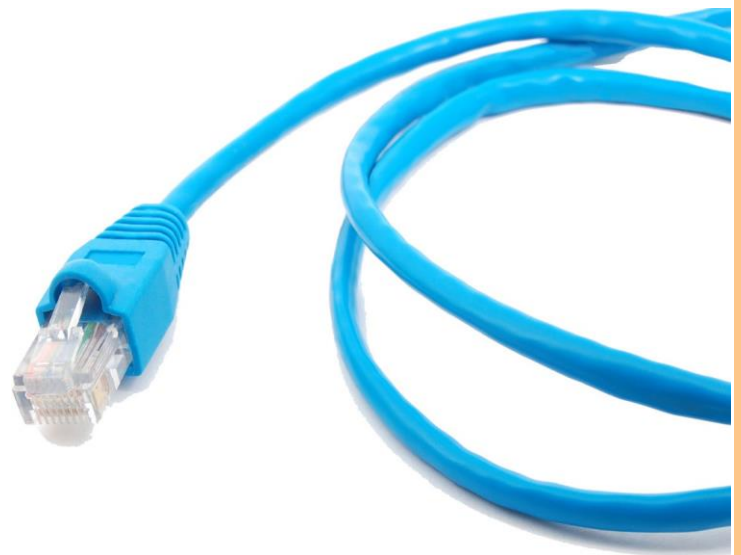
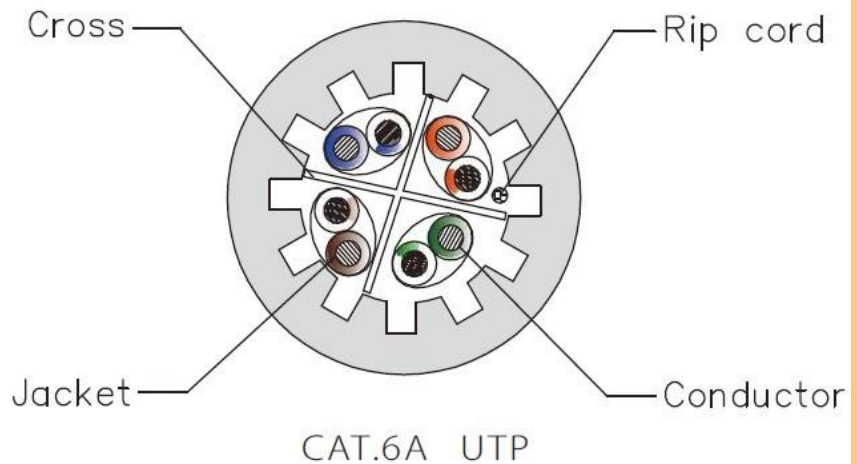
Industry Standards:

UL/CSA Listed CMR
Verified to ANSI/TIA-568-C.2 CAT.6A

Electrical Characteristics:

Impedance: 100 ± 15 ohms (1-600MHz)
Pair to Ground: 330Pf/100M MAX.
Propagation Delay Skew: 45ns/100M
Dielectric Strength: AC-500V/1 Min

*Connectors sold separately.



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Electrical Characteristics

Frequency	Insertion Loss	NEXT	PSTNEXT	ACRF	PSACRF	RL	Propagation	PS ANEXT	PSSAACRF
(MHz)	MAX (dB/100M)	MIN. (dB)	MIN(d-B/100M)	MIN.(dB)	MIN.(dB)	(dB)	MAX (ns/100M)	(dB/100M)	(dB/100M)
1	2.1	74.3	72.3	67.8	64.8	20.0	570.0	67.0	67.0
4	3.8	65.3	63.3	55.8	52.8	23.0	552.0	67.0	66.2
8	5.3	60.8	58.8	49.7	46.7	24.5	547.0	67.0	60.1
10	5.9	59.3	57.3	47.8	44.8	25.0	545.0	67.0	58.2
16	7.5	56.2	54.2	43.7	40.7	25.0	543.0	67.0	54.1
20	8.4	54.8	52.8	41.8	38.8	25.0	542.0	67.0	52.2
25	9.4	53.3	51.3	39.8	36.8	24.3	541.0	67.0	50.2
31.25	10.5	51.9	49.9	37.9	34.9	23.6	540.0	67.0	48.3
62.5	15.0	47.4	45.4	31.9	28.9	21.5	539.0	65.6	42.3
100	19.1	44.3	42.3	27.8	24.8	20.1	538.0	62.5	38.2
200	27.6	39.8	37.8	21.8	18.8	18.0	537.0	58.0	32.2
250	31.1	38.3	36.3	19.8	16.8	17.3	536.0	56.5	30.2
300	34.3	37.1	35.1	18.3	15.3	16.8	536.0	55.3	28.7
400	40.1	35.3	33.3	15.8	12.8	15.9	536.0	53.5	26.2
500	45.3	33.8	31.8	13.8	10.8	15.2	536.0	52.0	24.2
550	47.7	33.2	31.2	/	/	14.9	/	/	/
600	50.1	32.6	30.6	/	/	14.7	/	/	/

Note: * Frequencies are for reference only

