

Cable Utp Ideal Cat-6a Lszh-cca (305m y 500m)



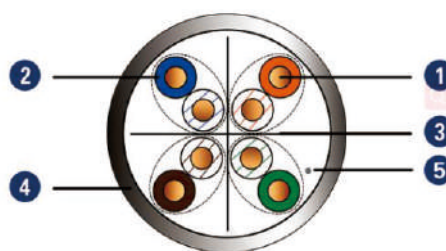
Ref.:CAU6ALC // CAU6ALC5

Application:

100 Base-TX
100VG-AnyLAN
1000Base-T(Gigabit Ethernet)ATM
Noisy Environments

Product Description:

Rated temperature:60°C, 75°C, 90°C Reference
Standard:UL444> UL1581
Bare solid copper conductor
RoHS/REACH Complied PVC PE or LSZH Jacket
Complies to ANSI/TIA-568-C.2, I SO/1 EC 11801,
EN50173&IEC61156-5
Installation temperatu:-30°C ~ +50°C
Minimum bending radius:8D



- ① Inner conductor
- ② Insulation
- ③ Solyester
- ④ Jacket
- ⑤ Ripcord



ElectricalPropertie

Conductor Resistance at 20°C	NF EN 50289-1-2 / IEC 60189-1	≤ 9.5 Ω
Resistanceunbalancewithinapair	NFEN50289-1-2/IEC60708	≤5%
DielectricStrength TestVoltage(cd/cd):1.00KVDCor0.7KVACfor1min Test Voltage (cd/screen): 1.00KV DC or 0.7 KV AC for 1 min	NFEN50289-1-3/IEC61196-1-105	Nobreakdown
Insulation Resistance at 20°C after 2min of electrification under a DC voltage between100&500V	NF EN 50289-1-4 / IEC 60885-1	>1500 MΩ / 100m
Mutualcapacitance	NFEN50289-1-5/IEC60189-1	5600pF/100mMAX
Capacitanceunbalancepairtgroundat800Hzor1kHz	NFEN50289-1-5/IEC60189-1	≤160pF/100m
Characteristicimpedanceat100MHz	NFEN50289-1-11/IEC61156-1	100±15Ω
SparkTest	UL444	2000±250VOC

TransmissionProperties

CAT6A ANSI/TIA-568.2-D; IEC61156-6; YD/T1019-2013									
No.	Frequency	Attenuation(Max)	Propagation Delay (MAX)	Propagation Delay Skew (MAX)	ReturnLoss(Min)	NEXT(Min)	PSNEXT(Min)	EL-FEXT(Min)	PSEL-FEXT(Min)
	MHz	dB/100m	ns/100m	ns/100m	dB(on 100m)	dB(on 100m)	dB(on 100m)	dB(on 100m)	dB(on 100m)
1	4	3.8	552	45	23.0	66.3	63.3	56.0	53.0
2	8	5.3	547	45	24.5	61.8	58.8	49.9	46.9
3	10	5.9	545	45	25.0	60.3	57.3	48.0	45.0
4	16	7.5	543	45	25.0	57.2	54.2	43.9	40.9
5	20	8.4	542	45	25.0	55.8	52.8	42.0	39.0
6	25	9.4	541	45	24.3	54.3	51.3	40.0	37.0
7	31.25	10.5	540	45	23.6	52.9	49.9	38.1	35.0
8	62.5	15.0	539	45	21.5	48.4	45.4	32.1	29.1
9	100	19.1	538	45	20.1	45.3	42.3	28.0	25.0
10	200	27.6	537	45	18.0	40.8	37.8	22.0	19.0
11	250	31.1	536	45	17.3	39.3	36.3	20.0	17.0
12	300	34.3	536	45	17.3	38.1	35.1	18.5	15.5
13	400	40.1	536	45	17.3	36.3	33.3	16.0	13.0
14	500	45.3	536	45	17.3	34.8	31.8	14.0	11.0

Ideal Technology has a policy of continuous improvement. Specifications are subject to change without notice.