IDEAL technologies

CAU6LUD

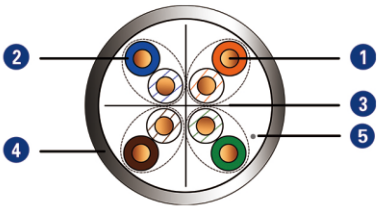
Lan Cable Cat 6 U/UTP Green CPR Dca

Unshielded Cable

Application :
100Base-TX
100Base-T4
100VG-AnyLAN
1000 Base-T (Gigabit Ethernet)
ATM

Product Description:
Rate temperature: 60℃, 75℃
Bare solid copper conductor
RoHS/REACH Complied PVC,PE or LSZH Jacket
Complies to ANSI/TIA-568-B.2&ISO/IEC 11801

Installation Temperature :-30℃~+50℃
Minimum bending radius:4D



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

Electrical Properties

ConductorResistanceat20°C	NFEN50289-1-2/IEC60189-1	≤9.5Ω/100m
Resistance unbalance within a pair	NF EN 50289-1-2/ IEC 60708	≤ 5%
Dielectric Strength *Test Voltage (cd/cd): 1.00KV DC or 0.7 KV AC for 1 min* *TestVoltage(cd/screen):1.00KVDCor0.7KVACfor1min*	NF EN 50289-1-3 / IEC 61196-1-105	No breakdown
InsulationResistanceat20°Cafter2minofelectrificationunderaDCvoltage between 100 & 500V	NFEN50289-1-4/IEC60885-1	>1500MΩ/100m
Mutual capacitance	NF EN 50289-1-5 /IEC 60189-1	5600pF / 100m MAX
Capacitance unbalance pair to ground at 800Hz or 1 kHz	NF EN 50289-1-5 / IEC 60189-1	≤ 160 pF / 100m
Characteristic impedance at 100MHz	NF EN 50289-1-11/ IEC 61156-1	100 ± 15 Ω
Spark Test	UL444	2000 ± 250VOC

Transmission Properties

CAT 6 ANSI/TIA-568.2-D; **IEC 61156-6; YD/T1019-2013**

No.	Frequency	Attenuation (Max)	PropagationDelay (MAX)	PropagationDelaySkew (MAX)	Return Loss (Min)	NEXT (Min)	PS NEXT (Min)	EL-FEXT (Min)	PS EL-FEXT (Min)
	MHz	*dB/100m*	*ns/100m*	*ns/100m*	dB(on100m)	dB(on100m)	dB(on100m)	dB(on100m)	dB(on100m)
1	4	3.78	552	45	23.01	66.27	63.27	55.96	52.96
2	8	5.32	546.73	45	24.52	61.75	58.75	49.94	46.94
3	10	5.95	545.38	45	25	60.3	57.3	48	45
4	16	7.55	543	45	25	57.24	54.24	43.92	40.92
5	20	8.47	542.05	45	25	55.78	52.78	41.98	38.98
6	25	9.51	541.2	45	24.32	54.33	51.33	40.04	37.04
7	31.25	10.67	540.44	45	23.64	52.88	49.88	38.1	35.1
8	50	13.66	539.09	45	22.21	49.82	46.82	34.02	31.02
9	62.5	15.38	538.55	45	21.54	48.36	45.36	32.08	29.08
10	100	19.8	537.6	45	20.11	45.3	42.3	28	25
11	125	22.36	537.22	45	19.43	43.85	40.85	26.06	23.06
12	200	28.98	536.55	45	18	40.78	37.78	21.98	18.98
13	250	32.85	536.28	45	17.32	39.33	36.33	20.04	17.04
14	350 *	39.8	/	45	16.3	36.1	34.1	16.9	13.9
15	400 *	43	/	45	15.9	35.3	33.7	15.7	12.7
16	450 *	46.3	/	45	15.5	34.5	32.5	14.7	11.7
17	500 *	48.9	/	45	15.2	33.8	31.8	13.8	10.8
18	550 *	51.8	/	45	14.9	33.2	31.2	12.9	9.9

Remarks: * are the reference values.

Telefono: 915 00 79 63
Calle Electrónica, 24, 28923 Alcorcón, Madrid