



## Lan Cable Cat 6 U/UTP Green CPR Dca

### Unshielded Cable

#### Application :

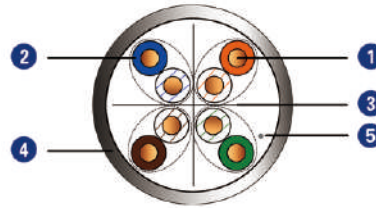
100Base-TX  
100Base-T4  
100VG-AnyLAN  
1000 Base-T (Gigabit Ethernet )  
ATM

#### Product Description:

Rate temperature: 60°C, 75°C  
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°C~+50°C

Minimum bending radius:4D



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

### Electrical Properties

Conductor Resistance at 20°C	NF EN 50289-1-2/IEC 60189-1	≤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 Test Voltage (cd/screen): 1.00KV DC or 0.7KV AC for 1 min	NF EN 50289-1-3 / IEC 61196-1-105	No breakdown
Insulation Resistance at 20°C after 2 min of electrification under a DC voltage between 100 & 500V	NF EN 50289-1-4/IEC 60885-1	>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)	Propagation Delay (MAX)	Propagation Delay Skew (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.