



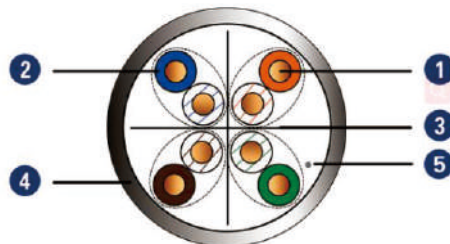
## Lan Cable Cat6a U/UTP CPR Cca

### 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

### Electrical Properties

Conductor Resistance at 20°C	NF EN 50289-1-2 / IEC 60189-1	≤ 9.5 Ω / 100m
Resistance unbalance within a pair	NF EN 50289-1-2 / IEC 60708	≤ 5%
Dielectric Strength Test Voltage (cd/cd): 1.00KV DC or 0.7KV AC for 1min Test Voltage (cd/screen): 1.00KV DC or 0.7 KV AC for 1 min	NF EN 50289-1-3 / IEC 61196-1-105	No breakdown
Insulation Resistance at 20°C after 2min of electrification under a DC voltage between 100&500V	NF EN 50289-1-4 / IEC 60885-1	>1500 MΩ / 100m
Mutual capacitance	NF EN 50289-1-5 / IEC 60189-1	5600pF/100m MAX
Capacitance unbalance pair to ground at 800Hz or 1kHz	NF EN 50289-1-5 / IEC 60189-1	≤ 160pF/100m
Characteristic impedance at 100MHz	NF EN 50289-1-11 / IEC 61156-1	100±15Ω
Spark Test	UL444	2000±250VOC

### Transmission Properties

CAT6A ANSI/TIA-568.2-D; IEC61156-6; YD/T1019-2013									
No.	Frequency	Attenuation(Max)	Propagation Delay (MAX)	Propagation Delay Skew (MAX)	Return Loss(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

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