

CABLE CAT. 6A U/UTP CU LSZH RÍGIDO 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

Bare solid copper conductor
RoHS/REACH Complied 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



TECHNICAL PARAMETERS

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 1 min 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

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

Transmission Properties

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

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