

UTP CAT.6A LSZH

CAU6AL

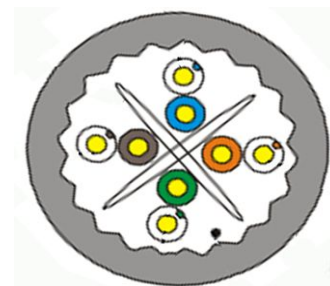
Category 6A Unshielded Twisted Pair U/UTP Installation cable

DESCRIPTION

Manufactured according to ISO / IEC 11801, ANSI/TIA 568 B.2, EN-50173

TECHNICAL SPECIFICATIONS

Conductor	Bare copper : 0.57±0.01 mm
Insulation	HDPE : 1.03±0.05 mm
Identification of pairs	
1 pair	Blue - White / Blue
2 pair	Orange - White / Orange
3 pair	Green - White / Green
4 pair	Brown - White / Brown
Filler	PE
Ripcord	Yes
Sheath	LSZH
Color	White
Bending radius	≥ 8 x Diameter (mm) Installation
Storage temperature	-15°C—+70°C



ELECTRICAL CHARACTERISTICS

n° Pairs.xΦmm	Conductor Resistance Ω/km	Resistance Unbalance	Cap. between cond. pair nF / 100m	Velocity of Propagation %	Impedance Ω	ΦExt. (Appvox) mm
4x2x0.57	max.73	max.4%	/	69	100±15	7.5±0.2

Frequency (MHz)	RL ≥dB	ATT ≤dB/100m	NEXT ≥dB	DELAY ≤ns/100m	PS NEXT ≥dB	EL FEXT ≥dB/100m	PS EL FEXT ≥dB/100m
4	23.0	3.8	66.3	552.0	63.3	56.0	53.0
8	24.5	5.3	61.8	547.0	58.8	49.9	46.9
10	25.0	5.9	60.3	545.0	57.3	48.0	45.0
16	25.0	7.5	57.2	543.0	54.2	43.9	40.9
20	25.0	8.4	55.8	542.0	52.8	42.0	39.0
25	24.3	9.4	54.3	541.0	51.3	40.0	37.0
31.25	23.6	10.5	52.9	540.0	49.9	38.1	35.1
62.5	21.5	15.0	48.4	539.0	45.4	32.1	29.1
100	20.1	19.1	45.3	538.0	42.3	28.0	25.0
200	18.0	27.6	40.8	537.0	37.8	22.0	19.0
250	17.3	31.1	39.3	536.0	36.3	20.0	17.0
300	16.8	34.3	38.1	536.0	35.1	18.5	15.5
500	15.2	45.3	34.8	536.0	31.8	14.0	11.0

Appliance

Cable for data transmission in structured cabling networks (LAN), horizontal and secondary facilities.

Packing

305m /box



All sizes and values without tolerances are reference values. We reserves the right to amend this specification without prior notice.
Ideal Technology has a policy of continuous improvement. Specifications are subject to change without notice.



Cable ID: CAS/LUTP-C6A-23AWG-LSOH

Test Summary: PASS

Date / Time: 12/18/2015 12:04:51pm
Headroom: 6.1 dB (NEXT 36-78)
Test Limit: TIA Cat 6A Channel
Cable Type: Cat 6A UTP

Operator: MQQ
Software Version: 2.7400
Limits Version: 1.9300
NVP: 68.2%

Model: DTX-1800
Main S/N: 9610061
Remote S/N: 9610062
Main Adapter: DTX-CHA001
Remote Adapter: DTX-CHA001

Wire Map (T568B)

PASS

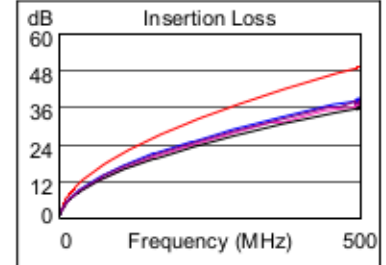
1	---	1
2	---	2
3	---	3
6	---	6
4	---	4
5	---	5
7	---	7
8	---	8
S		S



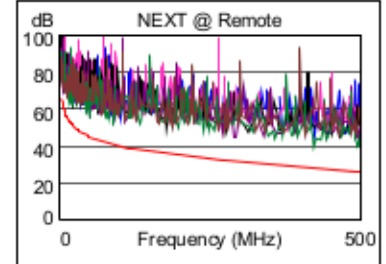
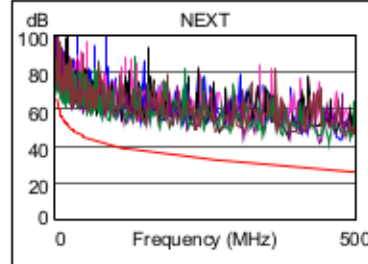
327 ft



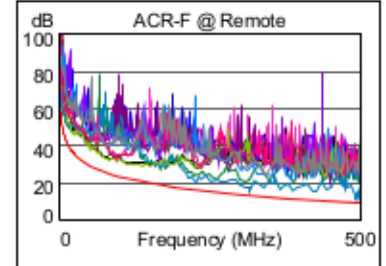
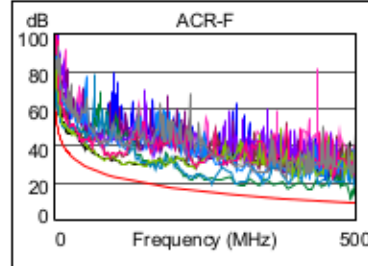
Length (ft), Limit 328	[Pair 45]	327
Prop. Delay (ns), Limit 555		507
Delay Skew (ns), Limit 50		20
Resistance (ohms)	[Pair 12]	14.4
Insertion Loss Margin (dB)	[Pair 12]	10.3
Frequency (MHz)	[Pair 12]	499.0
Limit (dB)	[Pair 12]	49.3



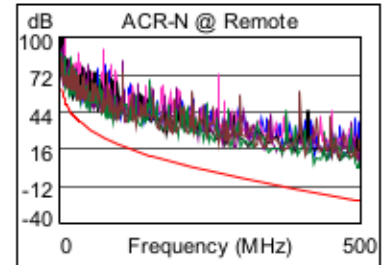
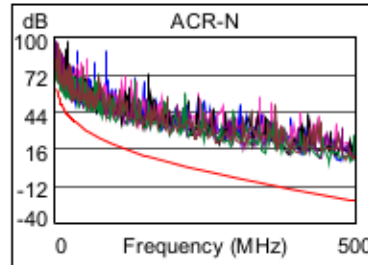
	Worst Case Margin	Worst Case Value	MAIN	SR
PASS				
Worst Pair	36-78	36-45	36-78	36-78
NEXT (dB)	6.1	6.5	14.2	11.5
Freq. (MHz)	3.1	5.9	457.0	423.0
Limit (dB)	64.8	60.3	27.2	28.1
Worst Pair	36	36	36	36
PS NEXT (dB)	6.4	7.8	15.3	13.4
Freq. (MHz)	3.3	3.0	442.0	424.0
Limit (dB)	62.0	62.0	24.6	25.1



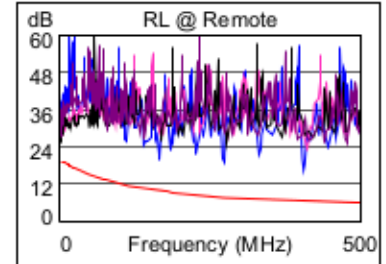
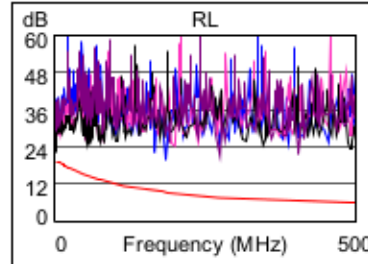
	Worst Case Margin	Worst Case Value	MAIN	SR
PASS				
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	3.2	2.5	3.2	2.5
Freq. (MHz)	493.0	493.0	493.0	493.0
Limit (dB)	9.4	9.4	9.4	9.4
Worst Pair	45	36	45	36
PS ACR-F (dB)	6.0	6.2	6.0	6.2
Freq. (MHz)	493.0	493.0	493.0	493.0
Limit (dB)	6.4	6.4	6.4	6.4



	Worst Case Margin	Worst Case Value	MAIN	SR
N/A				
Worst Pair	36-78	36-45	36-78	36-78
ACR-N (dB)	6.8	7.7	24.8	25.0
Freq. (MHz)	3.1	5.9	457.0	496.0
Limit (dB)	61.1	55.3	-19.8	-22.9
Worst Pair	36	36	12	36
PS ACR-N (dB)	7.3	8.6	26.7	27.0
Freq. (MHz)	3.3	3.0	470.0	495.0
Limit (dB)	58.2	58.4	-23.7	-25.7



	Worst Case Margin	Worst Case Value	MAIN	SR
PASS				
Worst Pair	45	45	12	12
RL (dB)	6.8	6.9	9.5	10.6
Freq. (MHz)	4.5	3.4	185.0	406.0
Limit (dB)	19.0	19.0	9.3	6.0



Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	10GBASE-T	ATM-25
ATM-51	ATM-155	100VG-AnyLan
TR-4	TR-16 Active	TR-16 Passive