

UTP CAT.6A LSZH

Category 6A Unshielded Twisted Pair U/UTP Installation cable

CAU6AL

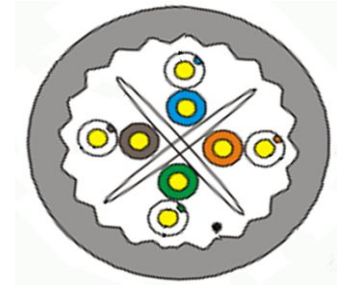
DESCRIPTION

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



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, 500m, 1000m /Drum





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

Test Summary: PASS

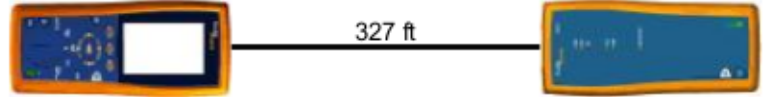
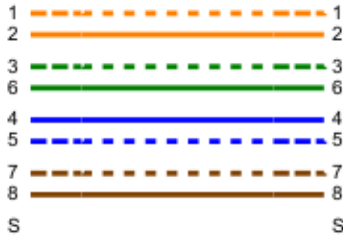
Date / Time: 12/18/2015 12:04:51pm
 Headroom: 6.1 dB (NEXT 36-78)
 Test Limit: TIA Cat 6A Channel
 Cable Type: Cat 6A UTP

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

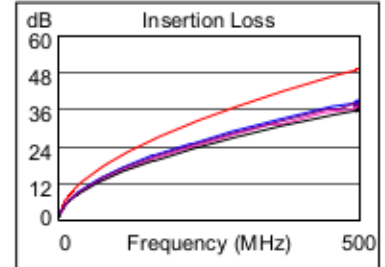
Model: DTX-1800
 Main S/N: 9610061
 Remote S/N: 9610062
 Main Adapter: DTX-CHA001
 Remote Adapter: DTX-CHA001

Wire Map (T568B)

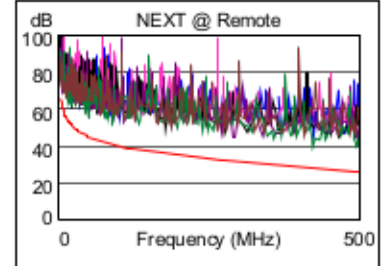
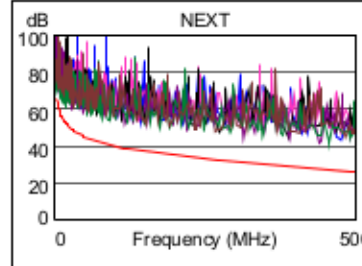
PASS



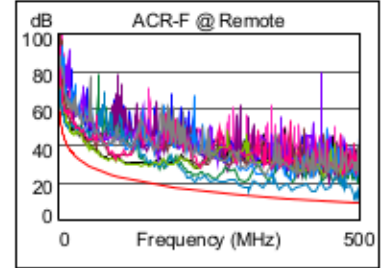
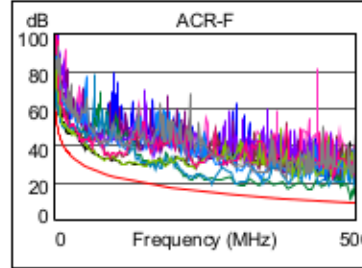
Length (ft), Limit 328	[Pair 45]	327
Prop. Delay (ns), Limit 555		507
Delay Skew (ns), Limit 50		20
Resistance (ohms)	[Pair 12]	14.4
Insertion Loss Margin (dB)	[Pair 12]	10.3
Frequency (MHz)	[Pair 12]	499.0
Limit (dB)	[Pair 12]	49.3



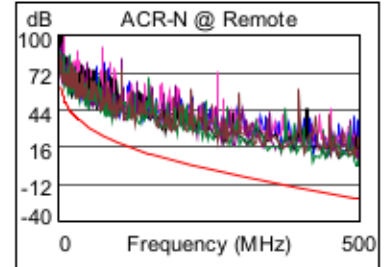
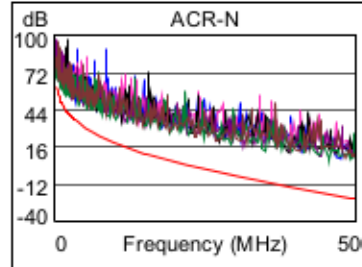
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	36-78	36-45	36-78	36-78
NEXT (dB)	6.1	6.5	14.2	11.5
Freq. (MHz)	3.1	5.9	457.0	423.0
Limit (dB)	64.8	60.3	27.2	28.1
Worst Pair	36	36	36	36
PS NEXT (dB)	6.4	7.8	15.3	13.4
Freq. (MHz)	3.3	3.0	442.0	424.0
Limit (dB)	62.0	62.0	24.6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



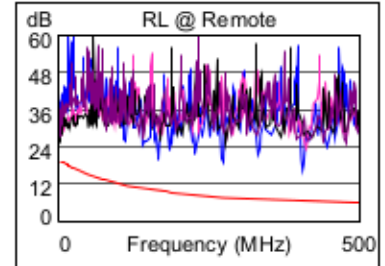
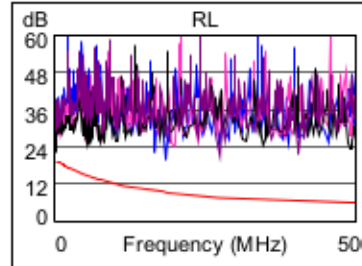
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	3.2	2.5	3.2	2.5
Freq. (MHz)	493.0	493.0	493.0	493.0
Limit (dB)	9.4	9.4	9.4	9.4
Worst Pair	45	36	45	36
PS ACR-F (dB)	6.0	6.2	6.0	6.2
Freq. (MHz)	493.0	493.0	493.0	493.0
Limit (dB)	6.4	6.4	6.4	6.4



	Worst Case Margin		Worst Case Value	
	MAIN	SR	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	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