UTP CAT.6 LSZH

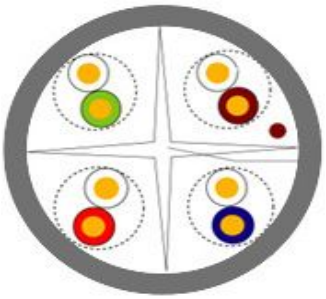
Category 6 Unshielded Twisted Pair U/UTP stranded cable

CAU6L

DESCRIPTION

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

TECHNICAL SPECIFICATIONS



Conductor	CCA : 0.56±0.01 mm
Insulation	HDPE : 1.02±0.05 mm
Identification of pairs	
1 pair	Blue - White / Blue
2 pair	Orange - White / Orange Green -
3 pair	White / Green
4 pair	Brown - White / Brown
Filler	PE
Ripcord	Yes
Sheath	LSZH
Color	Yellow,blue, green, red, black, gray
Bending radius	≥ 8 x Diameter (mm) Installation
Storage temperature	-15℃—+70℃

ELECTRICAL CHARACTERISTICS

nº Pairs.xΦmm	Conductor Resistance Ω/km	Resistance Unbalance	Cap. between cond. pair nF / 100m	Velocity of Propagation %	Impendance Ω	ΦExt. (Appvox) mm
4x2x0.56CCA	max.116	max.4%	/	69	100±15	6.1±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	6.0	60.3	545.0	57.3	48.0	45.0
16	25.0	7.6	57.2	543.0	54.2	43.9	40.9
20	25.0	8.5	55.8	542.0	52.8	42.0	39.0
25	24.3	9.5	54.3	541.0	51.3	40.0	37.0
31.25	23.6	10.7	52.9	540.0	49.9	38.1	35.1
62.5	21.5	15.4	48.4	539.0	45.4	32.1	29.1
100	20.1	19.8	45.3	538.0	42.3	28.0	25.0
200	18.0	29.0	40.8	537.0	37.8	22.0	19.0
250	17.3	32.8	39.3	536.0	36.3	20.0	17.0

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.*

LINKWARE
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: CAS/LUTP-C6-23AWG-LSOH

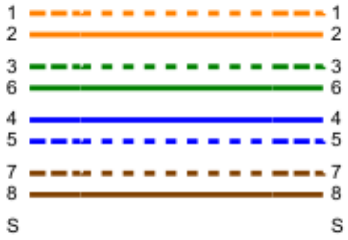
Test Summary: PASS

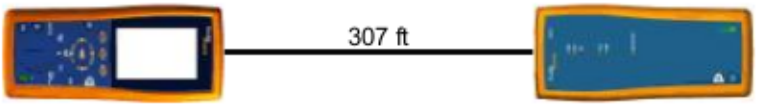
Date / Time: 12/11/2015 10:56:14am
Headroom: 3.7 dB (NEXT 36-45)
Test Limit: TIA Cat 6 Channel
Cable Type: Cat 6 UTP

Operator: MQQ
Software Version: 2.7400
Limits Version: 1.9300
NVP: 69.0%

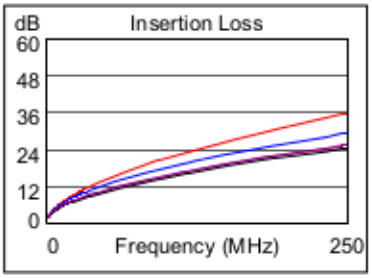
Model: DTX-1800
Main S/N: 9610061
Remote S/N: 9610062
Main Adapter: DTX-PLA002
Remote Adapter: DTX-PLA002

Wire Map (T568B)
PASS

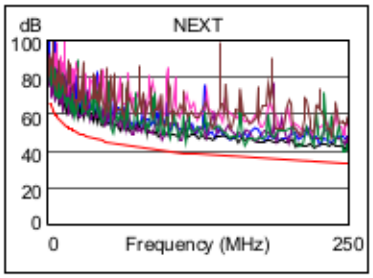


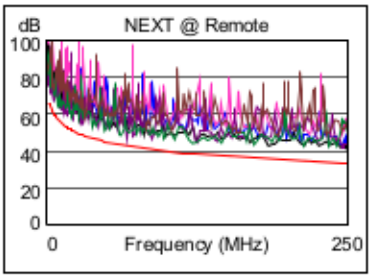


Length (ft), Limit 328	[Pair 45]	307
Prop. Delay (ns), Limit 555		470
Delay Skew (ns), Limit 50		18
Resistance (ohms)	[Pair 12]	21.5
Insertion Loss Margin (dB)	[Pair 12]	6.3
Frequency (MHz)	[Pair 12]	250.0
Limit (dB)	[Pair 12]	35.9

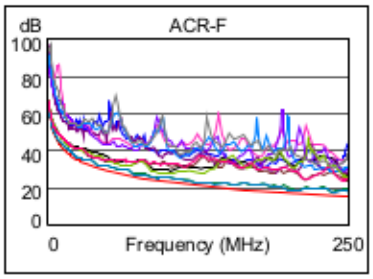


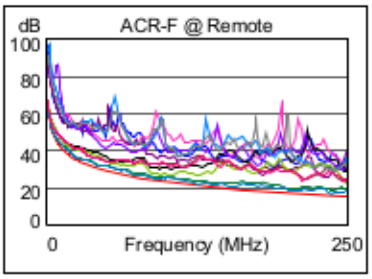
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-78	12-78
NEXT (dB)	3.8	3.7	6.8	8.5
Freq. (MHz)	3.1	66.3	247.0	244.0
Limit (dB)	64.8	43.0	33.2	33.3
Worst Pair	36	36	78	12
PS NEXT (dB)	5.9	4.9	7.5	9.0
Freq. (MHz)	3.3	29.5	247.0	244.0
Limit (dB)	62.0	46.1	30.2	30.3



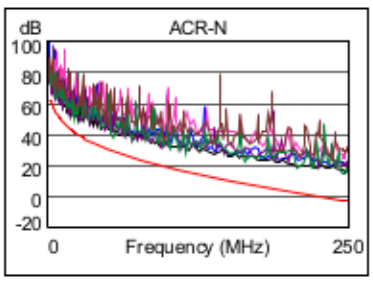


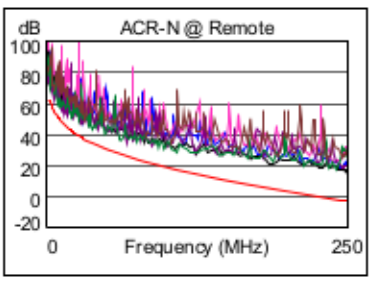
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	45-36
ACR-F (dB)	0.5	0.5	1.6	0.9
Freq. (MHz)	1.0	1.0	239.5	237.0
Limit (dB)	63.3	63.3	15.7	15.8
Worst Pair	36	36	36	45
PS ACR-F (dB)	1.8	1.7	4.1	4.2
Freq. (MHz)	1.0	1.0	239.5	239.5
Limit (dB)	60.3	60.3	12.7	12.7



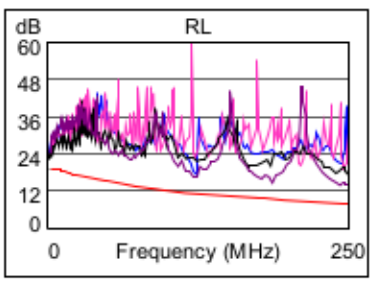


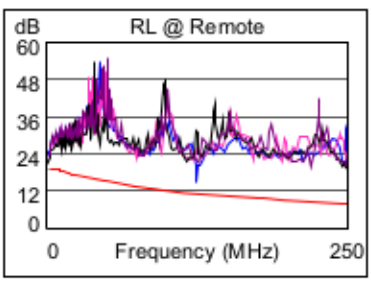
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-78	12-78
ACR-N (dB)	4.3	6.4	17.0	19.0
Freq. (MHz)	3.1	12.0	247.0	248.5
Limit (dB)	61.2	48.3	-2.5	-2.7
Worst Pair	36	36	12	12
PS ACR-N (dB)	6.2	6.5	16.2	15.4
Freq. (MHz)	3.3	5.4	250.0	244.5
Limit (dB)	58.4	53.8	-5.8	-5.2





PASS	MAIN	SR	MAIN	SR
Worst Pair	12	12	78	12
RL (dB)	4.3	3.9	5.7	3.9
Freq. (MHz)	124.0	124.5	243.0	124.5
Limit (dB)	11.1	11.0	8.1	11.0





Compliant Network Standards:

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