

## UTP CAT.6 PE (out door)

Category 6 Unshielded Twisted Pair U/UTP Installation cable

## CAU6EX

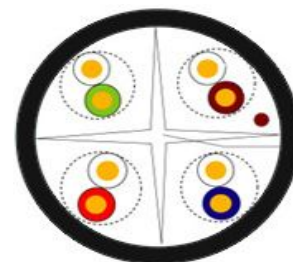
### DESCRIPTION

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



### TECHNICAL SPECIFICATIONS

Conductor	CCA : 0.57±0.01 mm
Insulation	HDPE : 1.02±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
Tape	PET
Ripcord	Yes
Sheath	PE
Color	Black
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
4x2x0.57CCA	max.112	max.4%	/	69	100±15	6.6±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

### 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: CCA0.57UTP CAT6

**Test Summary: PASS**

Date / Time: 12/14/2015 03:24:49pm

Headroom: 1.7 dB (NEXT 12-45)

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

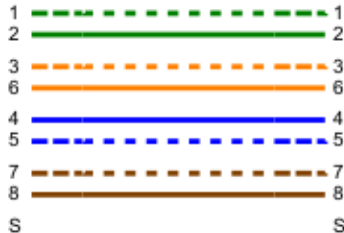
Remote S/N: 9610062

Main Adapter: DTX-PLA002

Remote Adapter: DTX-PLA002

Wire Map (T568A)

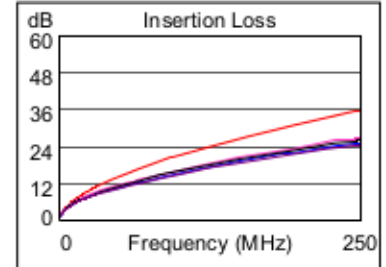
**PASS**



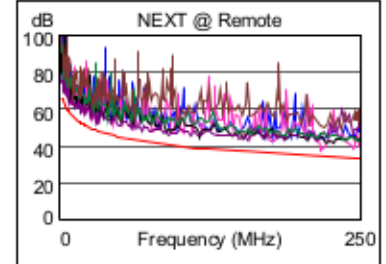
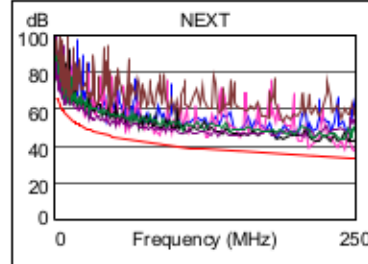
314 ft



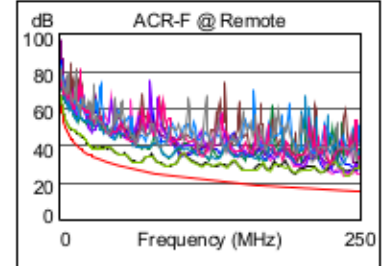
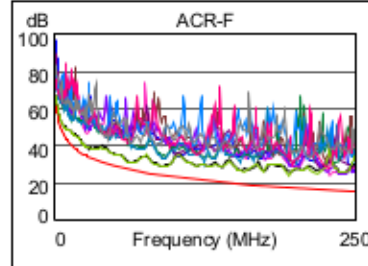
Length (ft), Limit 328	[Pair 78]	314
Prop. Delay (ns), Limit 555		482
Delay Skew (ns), Limit 50		19
Resistance (ohms)	[Pair 45]	20.2
Insertion Loss Margin (dB)	[Pair 36]	8.8
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	35.9



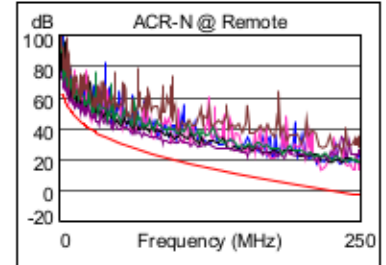
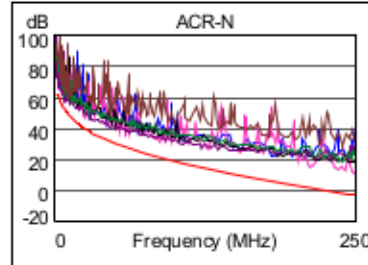
	Worst Case Margin		Worst Case Value	
<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
<b>NEXT (dB)</b>	3.3	1.7	4.2	1.7
Freq. (MHz)	58.8	218.5	249.0	218.5
Limit (dB)	43.8	34.1	33.1	34.1
Worst Pair	78	12	12	12
<b>PS NEXT (dB)</b>	3.7	3.4	6.0	3.4
Freq. (MHz)	7.5	218.5	249.0	218.5
Limit (dB)	56.1	31.2	30.2	31.2



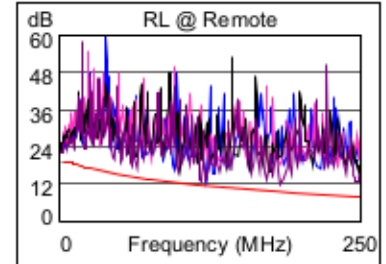
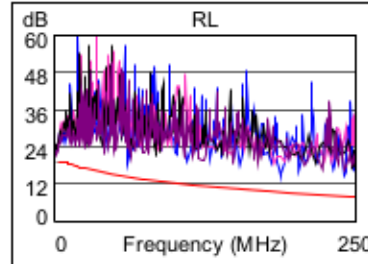
<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	12-78	78-12	12-78	78-12
<b>ACR-F (dB)</b>	3.8	3.6	8.3	7.6
Freq. (MHz)	62.8	62.8	239.5	239.5
Limit (dB)	27.3	27.3	15.7	15.7
Worst Pair	78	78	12	12
<b>PS ACR-F (dB)</b>	6.2	6.1	8.7	8.4
Freq. (MHz)	62.8	62.8	237.0	239.5
Limit (dB)	24.3	24.3	12.8	12.7



<b>N/A</b>	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-45	12-45
<b>ACR-N (dB)</b>	4.0	4.3	13.6	10.3
Freq. (MHz)	7.5	3.1	249.0	218.5
Limit (dB)	53.1	61.2	-2.7	0.9
Worst Pair	78	45	45	45
<b>PS ACR-N (dB)</b>	4.5	4.4	16.5	12.6
Freq. (MHz)	7.5	3.1	249.0	218.5
Limit (dB)	50.6	58.4	-5.7	-2.0



<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	78	78	12	78
<b>RL (dB)</b>	3.9	0.6*	5.7	2.1
Freq. (MHz)	3.5	122.0	188.0	184.0
Limit (dB)	19.0	11.1	9.3	9.4



Compliant Network Standards:

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

100BASE-T4  
ATM-51  
TR-4

\* Measurement is within the accuracy limits of the instrument.