

UTP CAT.6 PE (out door)

CAU6EX

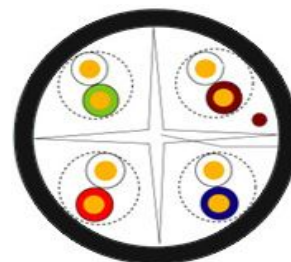
Category 6 Unshielded Twisted Pair U/UTP Installation cable

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

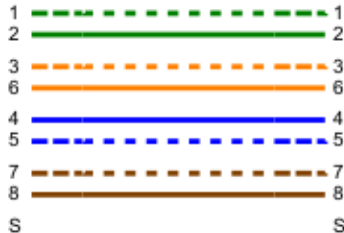
Remote S/N: 9610062

Main Adapter: DTX-PLA002

Remote Adapter: DTX-PLA002

Wire Map (T568A)

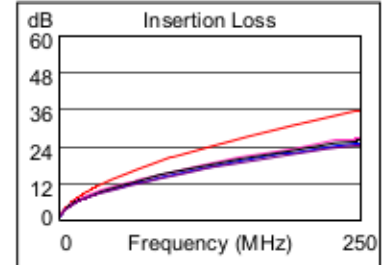
PASS



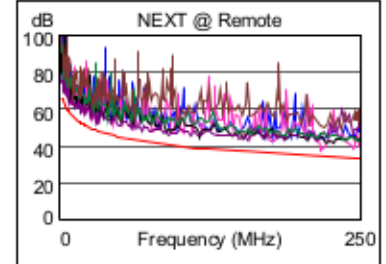
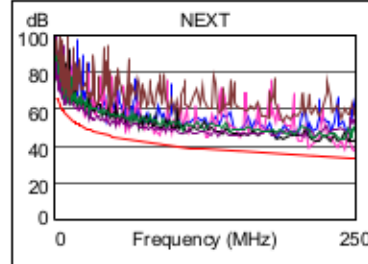
314 ft



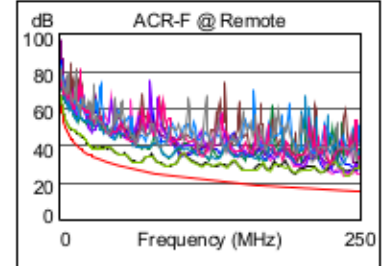
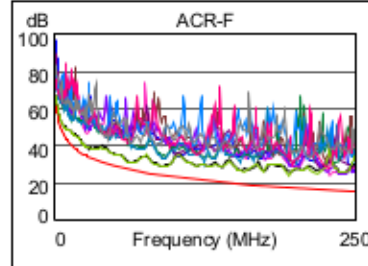
Length (ft), Limit 328	[Pair 78]	314
Prop. Delay (ns), Limit 555		482
Delay Skew (ns), Limit 50		19
Resistance (ohms)	[Pair 45]	20.2
Insertion Loss Margin (dB)	[Pair 36]	8.8
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	35.9



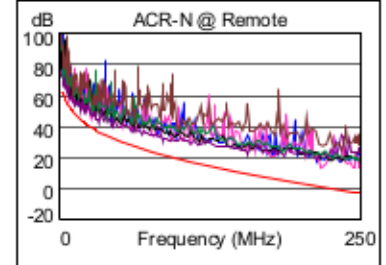
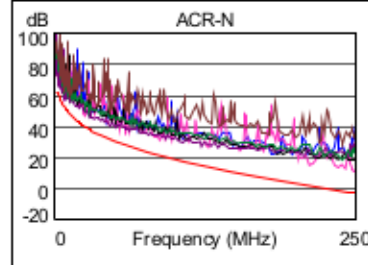
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
NEXT (dB)	3.3	1.7	4.2	1.7
Freq. (MHz)	58.8	218.5	249.0	218.5
Limit (dB)	43.8	34.1	33.1	34.1
Worst Pair	78	12	12	12
PS NEXT (dB)	3.7	3.4	6.0	3.4
Freq. (MHz)	7.5	218.5	249.0	218.5
Limit (dB)	56.1	31.2	30.2	31.2



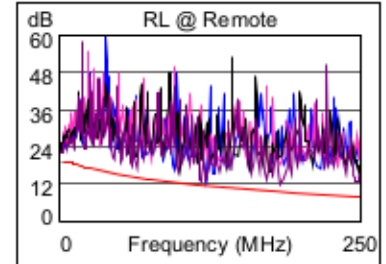
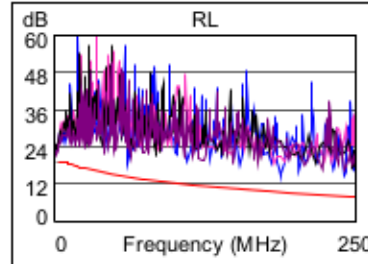
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	78-12	12-78	78-12
ACR-F (dB)	3.8	3.6	8.3	7.6
Freq. (MHz)	62.8	62.8	239.5	239.5
Limit (dB)	27.3	27.3	15.7	15.7
Worst Pair	78	78	12	12
PS ACR-F (dB)	6.2	6.1	8.7	8.4
Freq. (MHz)	62.8	62.8	237.0	239.5
Limit (dB)	24.3	24.3	12.8	12.7



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-45	12-45
ACR-N (dB)	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
PS ACR-N (dB)	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



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	12	78
RL (dB)	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.