

## UTP CAT.5e PE (out door)

## CAU5EX

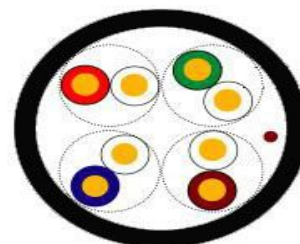
Category 5e Unshielded Twisted Pair U/UTP Installation cable

### DESCRIPTION

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

### TECHNICAL SPECIFICATIONS

Conductor	CCA : 0.50±0.01 mm
Insulation	HDPE : 0.90±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
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
4x2x0.50CCA	max.145	max.4%	5.6	69	100±15	5.1±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	4.1	56.3	552.0	53.3	52.0	49.0
8	24.5	5.8	51.8	547.0	48.8	45.9	42.9
10	25.0	6.5	50.3	545.0	47.3	44.0	41.0
16	25.0	8.2	47.2	543.0	44.2	39.9	36.9
20	25.0	9.3	45.8	542.0	42.8	38.0	35.0
25	24.3	10.4	44.3	541.0	41.3	36.0	33.0
31.25	23.6	11.7	42.9	540.0	39.9	34.1	31.1
62.5	21.5	17.0	38.4	539.0	35.4	28.1	25.1
100	20.1	22.0	35.3	538.0	32.3	24.0	21.0

### 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.*





## Cable ID: 0.5CCA

Date / Time: 12/06/2015 09:49:19am  
Headroom: 8.7 dB (NEXT 36-78)  
Test Limit: TIA Cat 5e Channel  
Cable Type: Cat 5e UTP

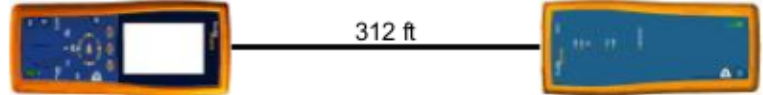
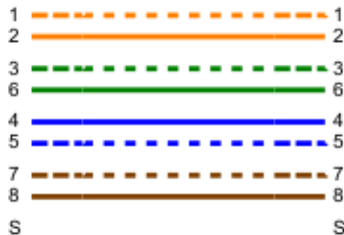
Operator: MQQ  
Software Version: 2.7400  
Limits Version: 1.9300  
NVP: 69.0%

## Test Summary: PASS

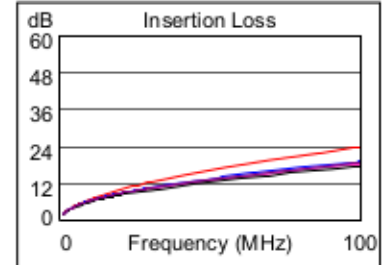
Model: DTX-1800  
Main S/N: 9610061  
Remote S/N: 9610062  
Main Adapter: DTX-PLA002  
Remote Adapter: DTX-PLA002

### Wire Map (T568B)

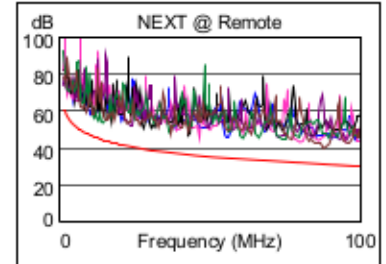
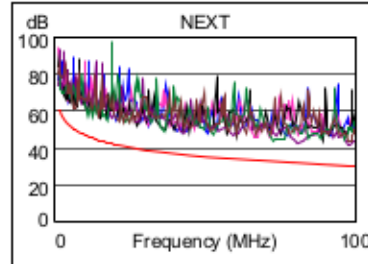
**PASS**



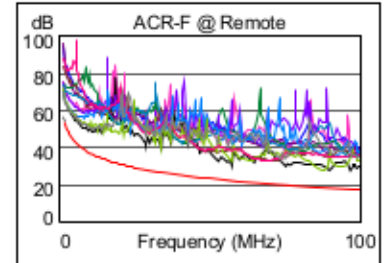
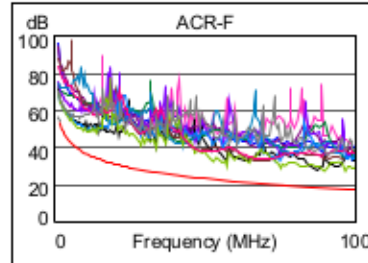
Length (ft), Limit 328	[Pair 45]	312
Prop. Delay (ns), Limit 555		474
Delay Skew (ns), Limit 50		14
Resistance (ohms)	[Pair 36]	27.2
Insertion Loss Margin (dB)	[Pair 12]	4.7
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



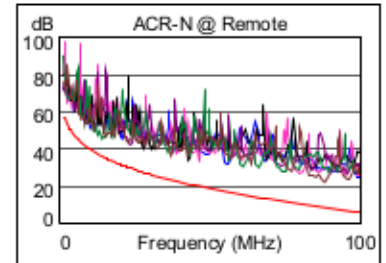
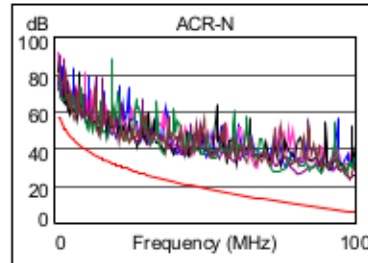
	Worst Case Margin		Worst Case Value	
<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-45	45-78
<b>NEXT (dB)</b>	10.6	8.7	11.7	8.7
Freq. (MHz)	36.3	14.0	98.0	88.0
Limit (dB)	37.6	44.6	30.2	31.0
Worst Pair	12	78	45	45
<b>PS NEXT (dB)</b>	10.7	9.9	12.1	10.7
Freq. (MHz)	4.8	11.1	98.0	88.0
Limit (dB)	49.3	43.2	27.2	28.0



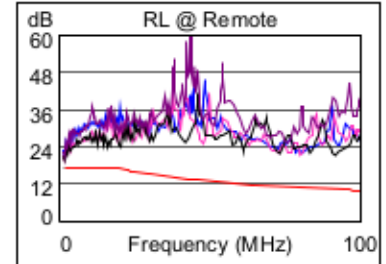
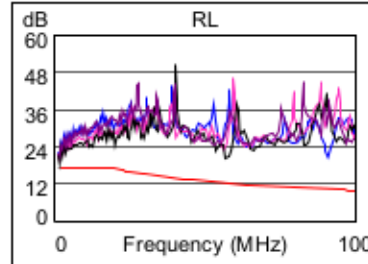
<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	78-12	12-78	78-12	12-78
<b>ACR-F (dB)</b>	8.0	8.2	8.5	8.9
Freq. (MHz)	57.3	57.3	89.5	89.5
Limit (dB)	22.2	22.2	18.4	18.4
Worst Pair	12	78	12	78
<b>PS ACR-F (dB)</b>	10.7	10.5	11.2	10.9
Freq. (MHz)	57.3	57.3	89.5	89.5
Limit (dB)	19.2	19.2	15.4	15.4



<b>N/A</b>	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-45	45-78
<b>ACR-N (dB)</b>	11.4	9.4	17.8	13.4
Freq. (MHz)	11.0	14.0	98.3	88.0
Limit (dB)	38.8	36.1	6.4	8.6
Worst Pair	12	78	45	78
<b>PS ACR-N (dB)</b>	10.7	10.4	18.2	15.4
Freq. (MHz)	4.8	11.1	98.0	88.0
Limit (dB)	44.5	35.7	3.5	5.6



<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	36
<b>RL (dB)</b>	4.0	4.5	7.6	10.2
Freq. (MHz)	2.5	2.5	57.3	80.3
Limit (dB)	17.0	17.0	12.4	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	