

UTP CAT.5e PE (out door)

CAU5EX

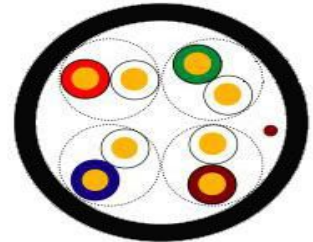
Category 5e Unshielded Twisted Pair U/UTP Installation cable

DESCRIPTION

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

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

Test Summary: PASS

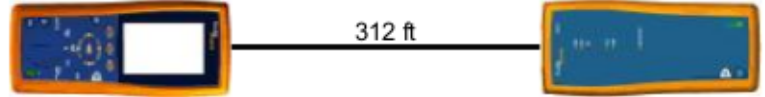
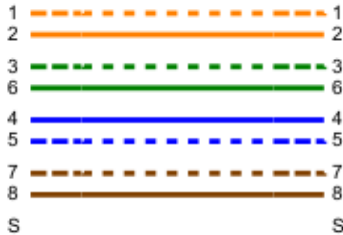
Date / Time: 12/06/2015 09:49:19am
 Headroom: 8.7 dB (NEXT 36-78)
 Test Limit: TIA Cat 5e Channel
 Cable Type: Cat 5e UTP

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

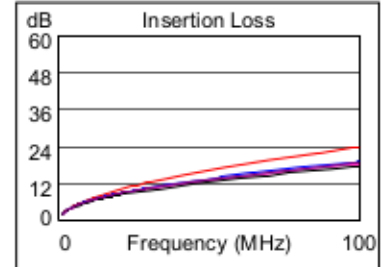
Model: DTX-1800
 Main S/N: 9610061
 Remote S/N: 9610062
 Main Adapter: DTX-PLA002
 Remote Adapter: DTX-PLA002

Wire Map (T568B)

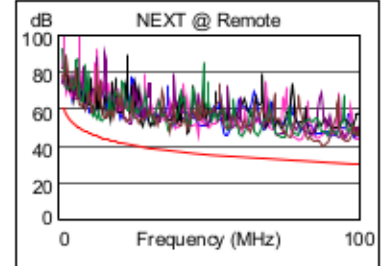
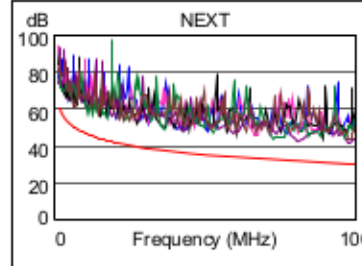
PASS



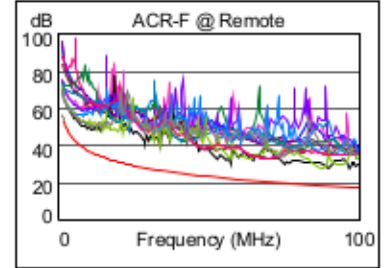
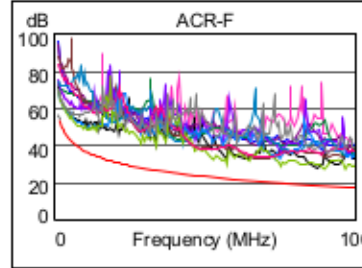
Length (ft), Limit 328	[Pair 45]	312
Prop. Delay (ns), Limit 555		474
Delay Skew (ns), Limit 50		14
Resistance (ohms)	[Pair 36]	27.2
Insertion Loss Margin (dB)	[Pair 12]	4.7
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



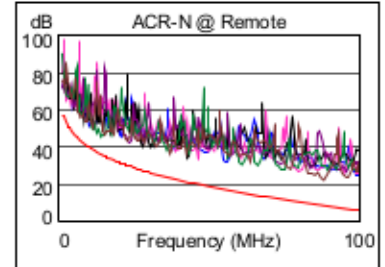
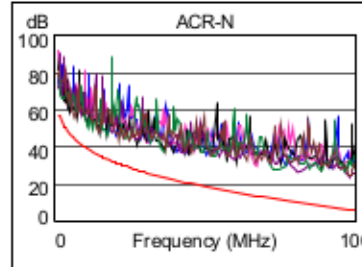
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	36-78	36-78	36-45	45-78
NEXT (dB)	10.6	8.7	11.7	8.7
Freq. (MHz)	36.3	14.0	98.0	88.0
Limit (dB)	37.6	44.6	30.2	31.0
Worst Pair	12	78	45	45
PS NEXT (dB)	10.7	9.9	12.1	10.7
Freq. (MHz)	4.8	11.1	98.0	88.0
Limit (dB)	49.3	43.2	27.2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



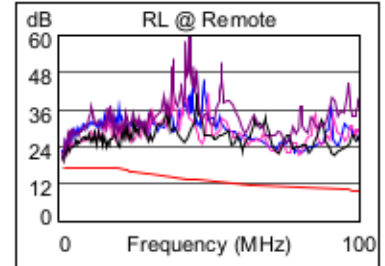
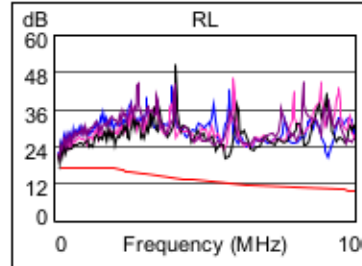
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	78-12	12-78	78-12	12-78
ACR-F (dB)	8.0	8.2	8.5	8.9
Freq. (MHz)	57.3	57.3	89.5	89.5
Limit (dB)	22.2	22.2	18.4	18.4
Worst Pair	12	78	12	78
PS ACR-F (dB)	10.7	10.5	11.2	10.9
Freq. (MHz)	57.3	57.3	89.5	89.5
Limit (dB)	19.2	19.2	15.4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



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
N/A				
Worst Pair	36-78	36-78	36-45	45-78
ACR-N (dB)	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
PS ACR-N (dB)	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



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	45	45	45	36
RL (dB)	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