

UTP CAT.5e LSZH

CAU5EL

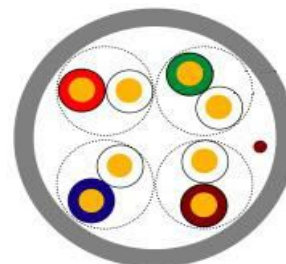
Category 5e Unshielded Twisted Pair U/UTP Installation cable

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 : 0.92±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	LSZH
Color	White
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	5.3±0.2

Frequency (MHz)	RL ≥dB	ATT ≤dB/100m	NEXT ≥dB	DELAY ≤ /100m	PS NEXT ≥dB	EL FEXT ≥dB/100m	PS EL FEXT ≥dB/100m
4	23.0	4.1	56.3	0	53.3	52.0	.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-RS15-072

Test Summary: PASS

Date / Time: 12/06/2015 09:47:43am

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

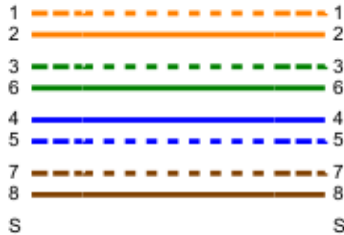
Remote S/N: 9610062

Main Adapter: DTX-PLA002

Remote Adapter: DTX-PLA002

Wire Map (T568B)

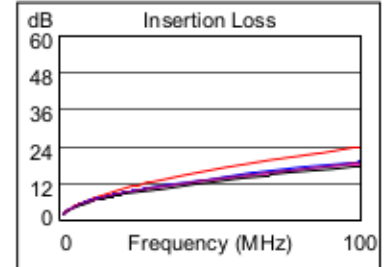
PASS



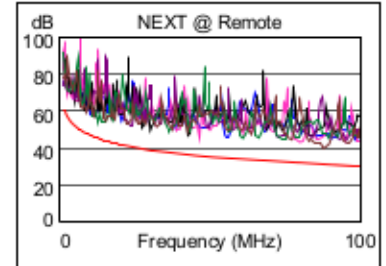
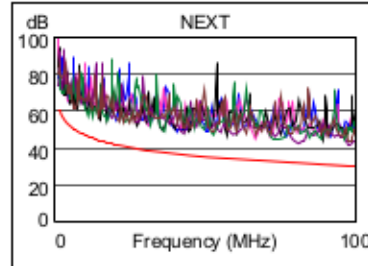
312 ft



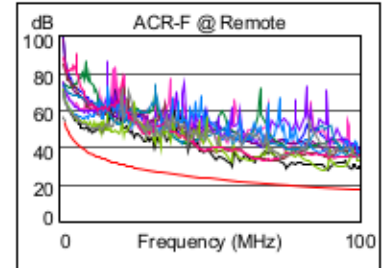
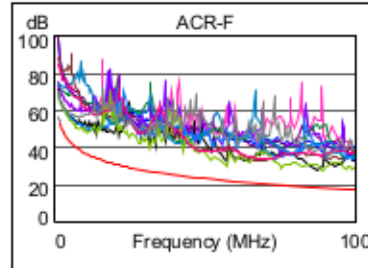
Length (ft), Limit 328	[Pair 45]	312
Prop. Delay (ns), Limit 555		474
Delay Skew (ns), Limit 50		14
Resistance (ohms)	[Pair 36]	27.1
Insertion Loss Margin (dB)	[Pair 12]	4.7
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



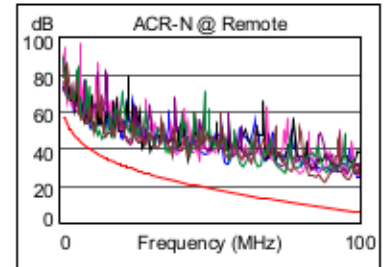
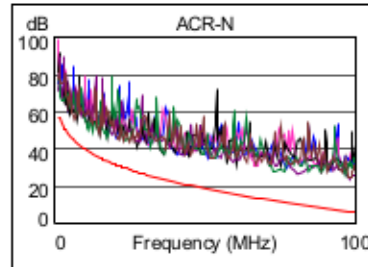
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-78	36-45	45-78
NEXT (dB)	10.7	8.7	11.7	8.7
Freq. (MHz)	81.0	14.0	98.0	88.0
Limit (dB)	31.7	44.6	30.2	31.0
Worst Pair	12	78	45	78
PS NEXT (dB)	10.8	9.9	12.1	10.7
Freq. (MHz)	4.6	11.1	98.0	88.0
Limit (dB)	49.5	43.2	27.2	28.0



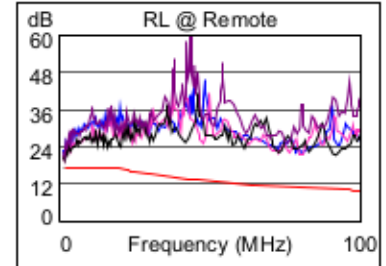
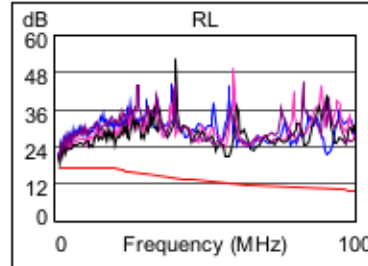
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-12	12-78	78-12	12-78
ACR-F (dB)	8.0	8.2	8.5	8.9
Freq. (MHz)	57.3	57.3	89.5	89.5
Limit (dB)	22.2	22.2	18.4	18.4
Worst Pair	12	78	12	78
PS ACR-F (dB)	10.7	10.5	11.2	10.9
Freq. (MHz)	57.3	57.3	89.5	89.5
Limit (dB)	19.2	19.2	15.4	15.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-78	36-45	45-78
ACR-N (dB)	11.4	9.4	17.8	13.4
Freq. (MHz)	6.4	14.0	98.3	88.0
Limit (dB)	44.6	36.1	6.4	8.6
Worst Pair	12	78	45	78
PS ACR-N (dB)	10.9	10.4	18.2	15.4
Freq. (MHz)	4.6	11.1	98.0	88.0
Limit (dB)	44.7	35.7	3.5	5.6



PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	36
RL (dB)	4.0	4.5	7.7	10.3
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	