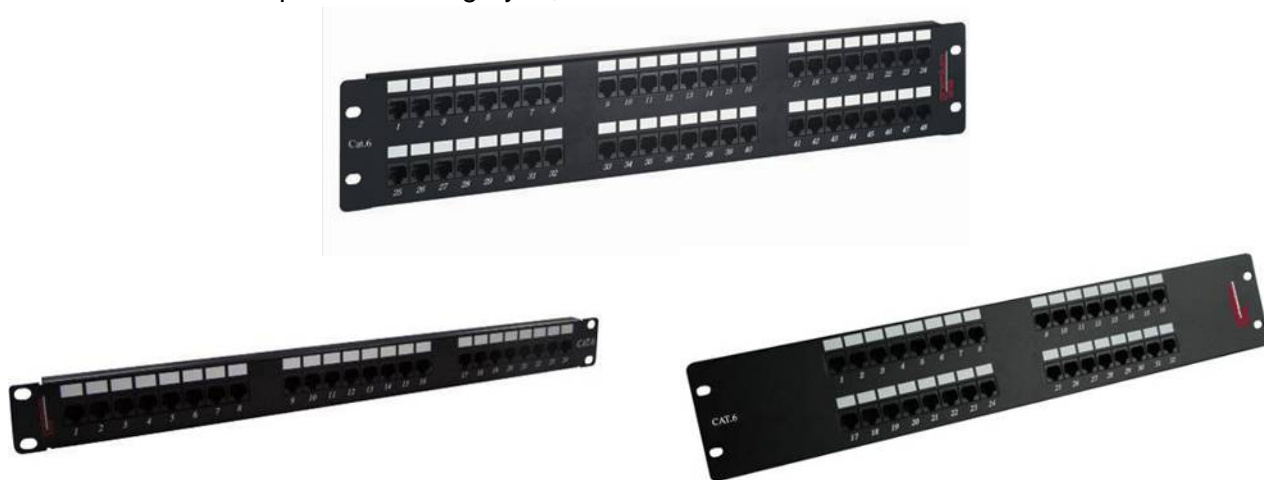


**FEATURES:**

- Meeting the TIA/EIA-568-B.2-1 category 6, ISO/IEC11801 and EN50173-1 specification.
- IDC connector can accept 22-26 AWG solid and stranded cables.
- Supports T568 A&B wiring & easy installation.
- Offers total solution of your local networking area.
- Terminate using 110 or Krone tools.
- Backward compatible to category5e, 5 and 3.



**CHARACTERISTICS:**

**\*Panel:**

Item	Material	Thickness	Plated	Dimensions and Mounting
Panel	SECC	1.5mm	Painted black	EIA – 310-D

**\*IDC Connector:**

Item	Material or Feature
Operating life	Minimum 250 Re-terminations
Contact Material	Phosphor bronze
IDC Contact Plating	Tin plated ver Nickel
IDC Plastic Housing	PC, UL94V-0

**\*Jack Connector:**

Item	Material or Feature
Operating life	Minimum 750 insertions
Contact Material	Phosphor bronze
Jack Contact Plating	50μ inch thickness gold over Nickel
Jack Plastic Housing	Glass filled polyester UL94V-0

**\*Printed Circuit Board:**

Item	Material or Feature
Materials	FR-4
Thickness	1.6mm

**\*Accessories: Cable ties, M6x12 screws**

**APPROVAL:**

- UL/cUL Listed.
- ETL Certified TIA/EIA-568-B.2 category 6 channel testing performance requirements

**APPLICATIONS:**

- 1000BASE-Tx Gigabit Ethernet.
- 100BASE-Tx Fast Ethernet.
- 10BASE-T Ethernet.
- ATM-25
- ATM-51
- ATM-155
- 100VG-AnyLan
- TR-4
- TR-16 Active
- TR16 Passive
- Voice, Video and other applications.

**TYPICAL PERFORMANCE:**



Cable ID: CAT6/UTP-PP-PP-L4

Test Summary: PASS

Date / Time: 04/09/2006 02:06:45pm  
Headroom: 2.3 dB (NEXT 12-46)  
Test Limit: TIA Cat 6 Perm. Link  
Cable Type: Cat 6 UTP

Operator: FANGJIANDIN  
Software Version: 1.2100  
Limits Version: 1.0200  
NVP: 69.0%

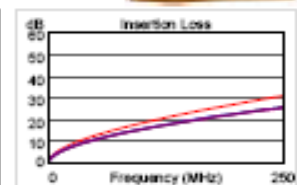
Model: DTX-LT  
Main S/N: 8698036  
Remote S/N: 8698024  
Main Adapter: DTX-PLA001  
Remote Adapter: DTX-PLA001

Wire Map (T568B)

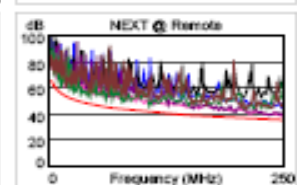
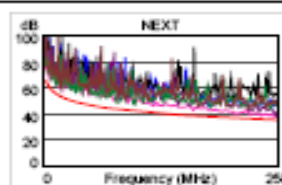
PASS



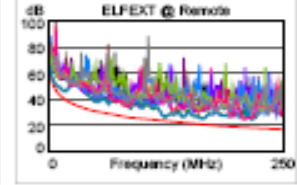
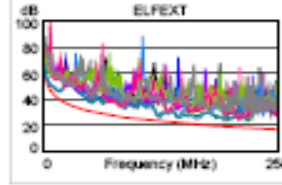
Length (ft), Limit 295	[Pair 45]	270
Prop. Delay (ns), Limit 498	[Pair 12]	424
Delay Skew (ns), Limit 44	[Pair 12]	26
Resistance (ohms)	[Pair 78]	12.6
Insertion Loss Margin (dB)	[Pair 78]	5.0
Frequency (MHz)	[Pair 78]	250.0
Limit (dB)	[Pair 78]	31.1



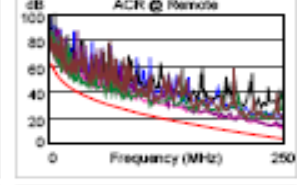
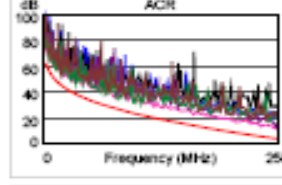
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	12-45	12-45	12-45	12-45
NEXT (dB)	2.3	2.8	2.3	2.8
Freq. (MHz)	248.5	249.0	248.5	249.0
Limit (dB)	35.4	35.4	35.4	35.4
Worst Pair	45	45	45	45
P8NEXT (dB)	2.4	2.5	2.4	2.5
Freq. (MHz)	249.0	235.5	249.0	235.5
Limit (dB)	32.7	33.1	32.7	33.1



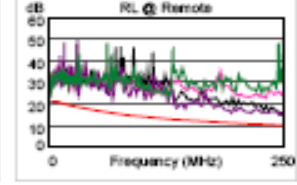
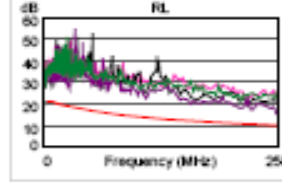
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	45-36	36-45	36-45	45-36
ELFEXT (dB)	3.1	3.0	4.6	4.7
Freq. (MHz)	124.0	124.0	203.5	203.5
Limit (dB)	22.3	22.3	18.0	18.0
Worst Pair	45	36	36	36
P8ELFEXT (dB)	5.6	5.4	6.3	6.0
Freq. (MHz)	1.0	196.5	194.0	217.0
Limit (dB)	61.2	15.3	15.4	14.5



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>N/A</b>				
Worst Pair	36-78	36-78	12-45	12-45
ACR (dB)	6.9	6.3	7.5	8.0
Freq. (MHz)	97.3	34.3	248.5	249.0
Limit (dB)	23.8	38.9	4.4	4.3
Worst Pair	45	45	45	45
P8ACR (dB)	7.5	7.8	7.5	8.0
Freq. (MHz)	249.0	235.5	249.0	248.5
Limit (dB)	1.7	3.1	1.7	1.8



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	45	45	45	45
RL (dB)	5.2	4.4	5.2	4.7
Freq. (MHz)	249.5	217.5	249.5	248.5
Limit (dB)	10.0	10.6	10.0	10.0

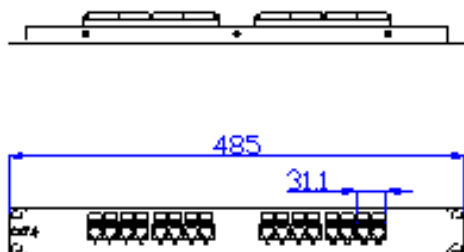


Compliant Network Standards:  
10BASE-T      100BASE-TX      100BASE-T4  
100BASE-T      ATM-25      ATM-61  
ATM-155      10GVC-Arylan      TR-4  
TR-16 Active      TR-16 Passive

Project: DEFAULT  
Site: UNC



**DRAWING:**



**Color Coding Information**

T568B		T568A	
IEC Standard	Color code	IEC Standard	Color code
Pin 1	White/Blue	Pin 1	White/Blue
Pin 2	Blue	Pin 2	Blue
Pin 3	White/Orange	Pin 3	White/Orange
Pin 4	Orange	Pin 4	Orange
Pin 5	White/Green	Pin 5	White/Green
Pin 6	Green	Pin 6	Green
Pin 7	White/Brown	Pin 7	White/Brown
Pin 8	Brown	Pin 8	Brown

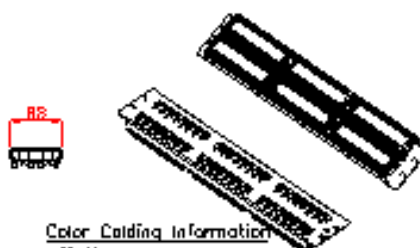
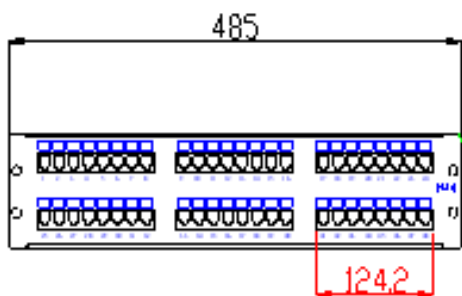
16 ports



**Color Coding Information**

T568B		T568A	
IEC Standard	Color code	IEC Standard	Color code
Pin 1	White/Blue	Pin 1	White/Blue
Pin 2	Blue	Pin 2	Blue
Pin 3	White/Orange	Pin 3	White/Orange
Pin 4	Orange	Pin 4	Orange
Pin 5	White/Green	Pin 5	White/Green
Pin 6	Green	Pin 6	Green
Pin 7	White/Brown	Pin 7	White/Brown
Pin 8	Brown	Pin 8	Brown

24 ports



**Color Coding Information**

T568B		T568A	
IEC Standard	Color code	IEC Standard	Color code
Pin 1	White/Blue	Pin 1	White/Blue
Pin 2	Blue	Pin 2	Blue
Pin 3	White/Orange	Pin 3	White/Orange
Pin 4	Orange	Pin 4	Orange
Pin 5	White/Green	Pin 5	White/Green
Pin 6	Green	Pin 6	Green
Pin 7	White/Brown	Pin 7	White/Brown
Pin 8	Brown	Pin 8	Brown

48 ports

**ORDERING INFORMATION:**

Part NO. 17612xx12  
 Description Premium line cat.6 180° unshielded patch panel, dual type IDC, black  
 xx, port no 16: 16-port 24: 24-port 32: 32-port 48: 48-port