

CAT7-UTHN-xx-GRAY CAT7 Ultra Thin SSTP Patch Cables

- Tested to pass 600 MHz data transmission rates
- Meet all Cat7 ANSI/TIA-568-C.2 standards
- Compliant with CE, RoHS, REACH standards

Applications:

- Supports 10G bandwidth
- Adapters, Hubs, Switches, Routers, DSL/Cable Modems, Patch Panels etc.

Description: 4-Pair, SSTP, 36AWG, Stranded Conductors

Available lengths: 1/2/3/5/7/10/15/25/50 feet.

Electronic Specifications

Conductor DC Resistance: 153Ω/100m
Impedance: 100Ω
Capacitance: 5600 pf/100m
Propagation Delay: 545ns/100m(Maximum)
Delay Skew: 45ns/100m(Maximum)

Physical Specifications

Wiring Scheme: T568B
Temperature Rating: -20°C to +75°C
Voltage Rating: 30V

Conductor(4 twisted pair):

Conductor: 36AWG(7/0.05mm BC)
Insulation: HD-PE:Ø0.5±0.05mm
Twisted Pair: Pair1=Orange, Orange-White
Pair2=Blue, Blue-White
Pair3=Green, Green-White
Pair4=Brown, Brown-White

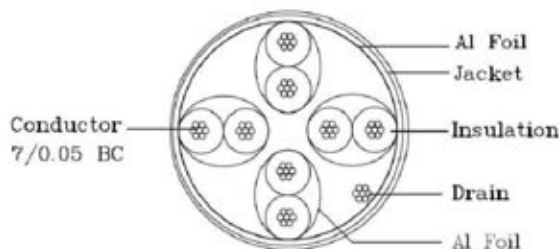
Shield: Al-Foil

Connector Type (Qty. 2):

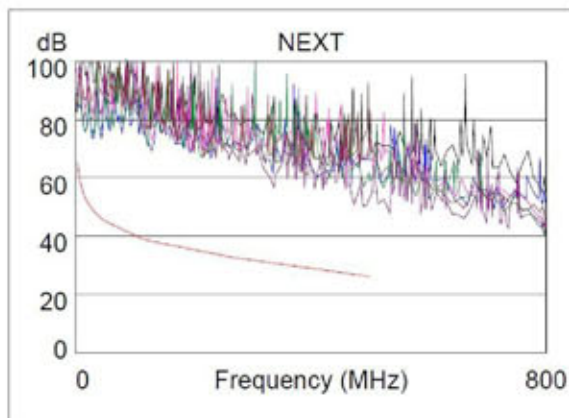
Connector Type: Shielded 8P8C (RJ45)
Gender: Male
Connector Material: Polycarbonate
Contact Material: Copper Alloy, Gold Plating
Hood Material: Molded PVC

Overall Cable:

Jacket: TPE/GRAY
Minimum Average Thickness: 0.5mm
Outer Diameter: 4.0±0.2mm



Fluke Performance Test:





Cable ID: CAT7SSTP-4.0-1M-1

Date / Time: 05/19/2016 03:15:31 PM

Headroom 19.4 dB (NEXT 36-78)

Test Limit: TIA Cat 6A Channel

Cable Type: Cat 7 SSTP

Calibration Date: 02/02/2010

Operator: NAME

Software Version: 2.7400

Limits Version: 1.9300

NVP: 76.0%

Test Summary: PASS

Model: DTX-1800

Main S/N: 1216007

Remote S/N: 1216008

Main Adapter: DTX-CHA001

Remote Adapter: DTX-CHA001

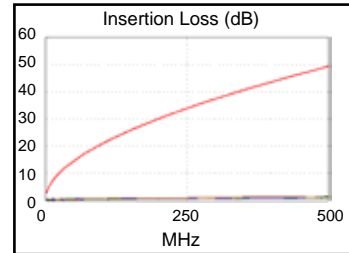
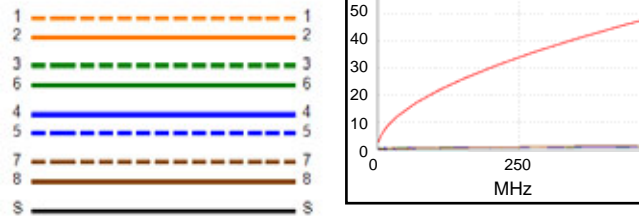
Length (ft), Limit 328	[Pair 12]	4
Prop. Delay (ns), Limit 555	[Pair 12]	5
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 36]	6.3
Insertion Loss Margin (dB)	[Pair 36]	47.9
Frequency (MHz)	[Pair 36]	500.0
Limit (dB)	[Pair 36]	49.3



4 ft

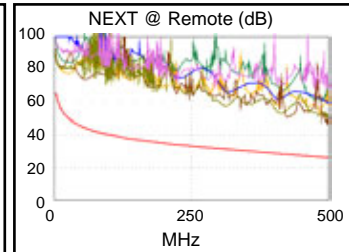
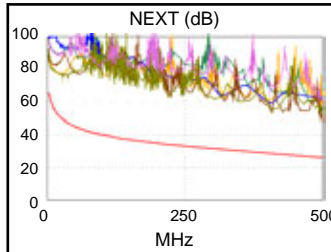


Wire Map (T568B)
PASS

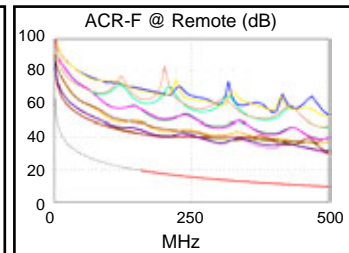
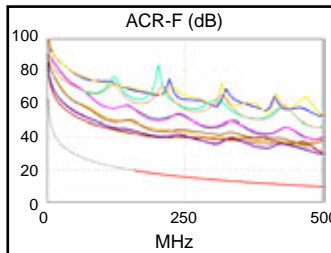


Worst Case Margin Worst Case Value

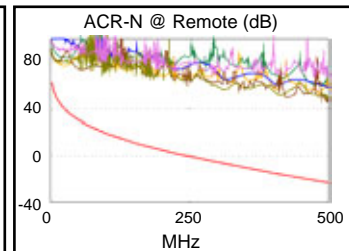
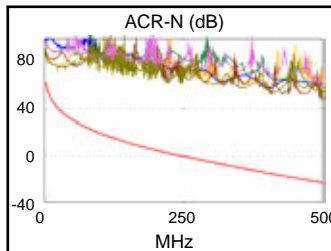
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-45	36-45	36-45
NEXT (dB)	19.4	20.3	22.8	20.3
Freq. (MHz)	3.3	497.0	499.0	497.0
Limit (dB)	64.5	26.2	26.1	26.2
Worst Pair	36	36	36	36
PS NEXT (dB)	18.7	19.1	23.9	21.7
Freq. (MHz)	3.3	3.3	499.0	497.0
Limit (dB)	62.0	62.0	23.3	23.3



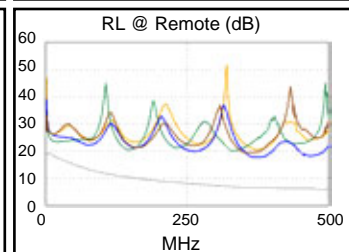
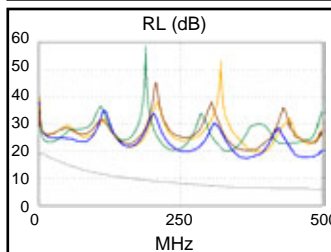
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-36	45-36	78-36	45-36
ACR-F (dB)	20.3	20.1	20.3	20.1
Freq. (MHz)	492.0	500.0	496.0	500.0
Limit (dB)	9.4	9.3	9.3	9.3
Worst Pair	36	36	36	36
PS ACR-F (dB)	20.2	21.1	20.2	21.1
Freq. (MHz)	499.0	500.0	499.0	500.0
Limit (dB)	6.3	6.3	6.3	6.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-45	36-45
ACR-N (dB)	22.8	23.6	71.1	68.6
Freq. (MHz)	2.9	3.0	499.0	497.0
Limit (dB)	61.4	61.4	-23.1	-23.0
Worst Pair	36	36	36	36
PS ACR-N (dB)	22.2	22.6	71.8	69.4
Freq. (MHz)	3.3	3.3	499.0	497.0
Limit (dB)	58.2	58.2	-26.0	-25.8



N/A	MAIN	SR	MAIN	SR
Worst Pair	36	36	45	45
RL (dB)	4.9	5.0	10.9	11.2
Freq. (MHz)	10.0	9.9	372.0	377.0
Limit (dB)	19.0	19.0	6.3	6.2



Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	10GBASE-T	ATM-25
ATM-51	ATM-155	100VG-AnyLan
TR-4	TR-16 Active	TR-16 Passive



Cable ID: CAT7SSTP-4.0-3M-1

Date / Time: 05/19/2016 03:18:01 PM

Headroom 15.8 dB (NEXT 12-36)

Test Limit: TIA Cat 6A Channel

Cable Type: Cat 7 SSTP

Calibration Date: 02/02/2010

Operator: NAME

Software Version: 2.7400

Limits Version: 1.9300

NVP: 76.0%

Test Summary: PASS

Model: DTX-1800

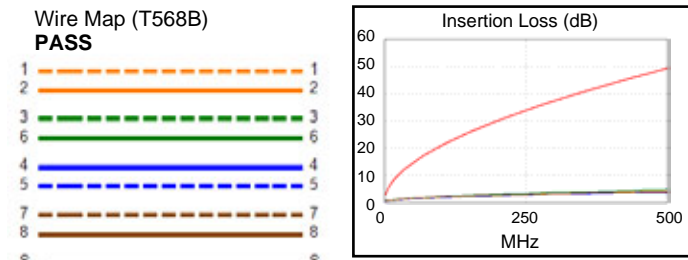
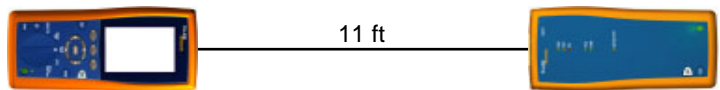
Main S/N: 1216007

Remote S/N: 1216008

Main Adapter: DTX-CHA001

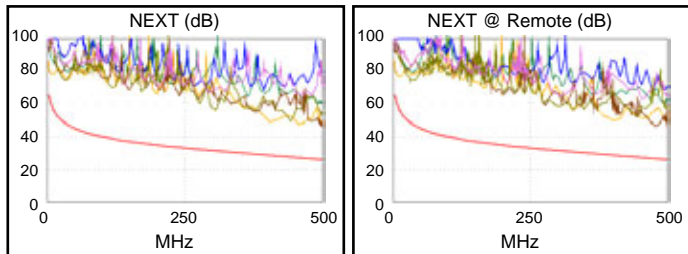
Remote Adapter: DTX-CHA001

Length (ft), Limit 328	[Pair 12]	11
Prop. Delay (ns), Limit 555	[Pair 12]	15
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 36]	11.4
Insertion Loss Margin (dB)	[Pair 36]	44.5
Frequency (MHz)	[Pair 36]	500.0
Limit (dB)	[Pair 36]	49.3

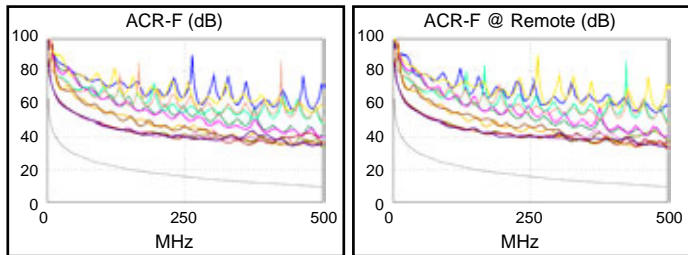


Worst Case Margin Worst Case Value

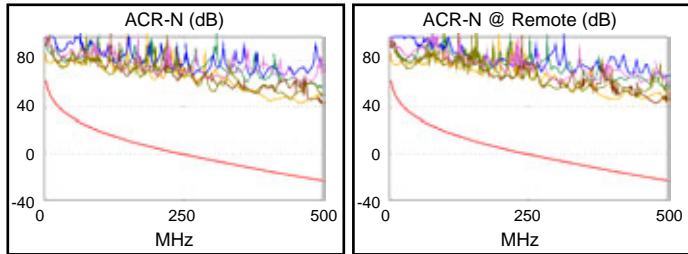
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	36-45
NEXT (dB)	15.8	15.8	20.2	19.7
Freq. (MHz)	3.0	3.1	499.0	478.0
Limit (dB)	65.0	64.8	26.1	26.6
Worst Pair	36	36	36	36
PS NEXT (dB)	18.1	18.2	20.5	22.0
Freq. (MHz)	3.3	3.1	499.0	478.0
Limit (dB)	62.0	62.0	23.3	23.7



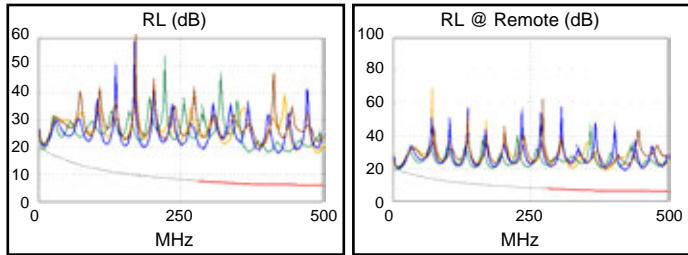
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	78-36	36-45	45-36
ACR-F (dB)	22.7	22.3	24.0	22.8
Freq. (MHz)	192.5	194.5	500.0	500.0
Limit (dB)	17.6	17.5	9.3	9.3
Worst Pair	36	36	36	36
PS ACR-F (dB)	22.6	23.0	24.9	23.8
Freq. (MHz)	166.0	164.0	499.0	500.0
Limit (dB)	15.9	16.0	6.3	6.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	36-45
ACR-N (dB)	18.7	18.8	62.4	64.2
Freq. (MHz)	3.0	3.1	459.0	478.0
Limit (dB)	61.4	61.1	-19.9	-21.5
Worst Pair	36	36	36	36
PS ACR-N (dB)	21.2	21.2	65.0	66.8
Freq. (MHz)	3.0	3.1	499.0	498.0
Limit (dB)	58.4	58.3	-26.0	-25.9



PASS	MAIN	SR	MAIN	SR
Worst Pair	45	12	45	12
RL (dB)	11.4	12.7	11.4	12.7
Freq. (MHz)	423.0	387.0	423.0	387.0
Limit (dB)	6.0	6.1	6.0	6.1



Compliant Network Standards:
 10BASE-T 100BASE-TX 100BASE-T4
 1000BASE-T 10GBASE-T ATM-25
 ATM-51 ATM-155 100VG-AnyLan
 TR-4 TR-16 Active TR-16 Passive



Cable ID: CAT7SSTP-4.0-5M-1

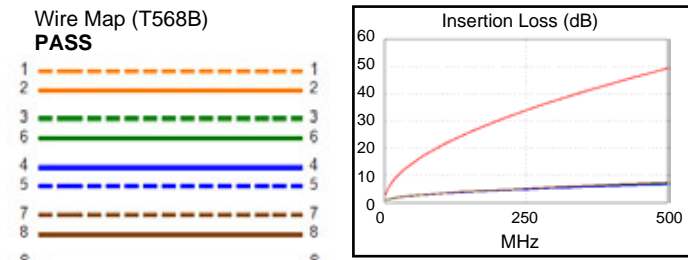
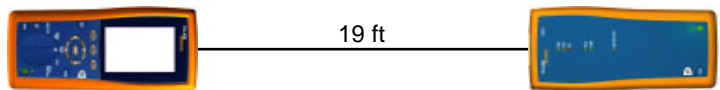
Date / Time: 05/19/2016 03:19:21 PM
Headroom 17.4 dB (NEXT 12-36)
Test Limit: TIA Cat 6A Channel
 Cable Type: Cat 7 SSTP
 Calibration Date: 02/02/2010

Operator: NAME
 Software Version: 2.7400
 Limits Version: 1.9300
 NVP: 76.0%

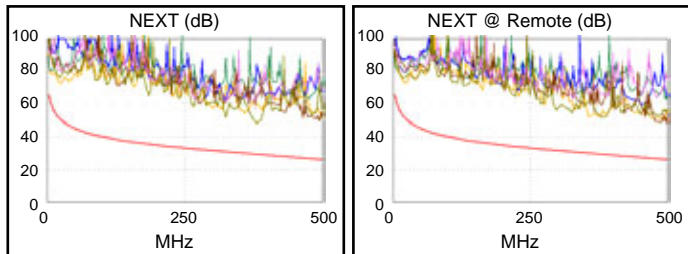
Test Summary: PASS

Model: DTX-1800
 Main S/N: 1216007
 Remote S/N: 1216008
 Main Adapter: DTX-CHA001
 Remote Adapter: DTX-CHA001

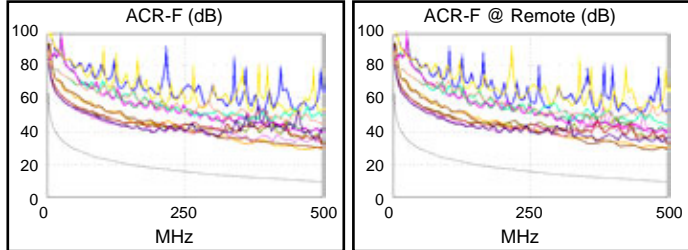
Length (ft), Limit 328	[Pair 12]	19
Prop. Delay (ns), Limit 555	[Pair 12]	25
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 36]	20.2
Insertion Loss Margin (dB)	[Pair 78]	41.9
Frequency (MHz)	[Pair 78]	500.0
Limit (dB)	[Pair 78]	49.3



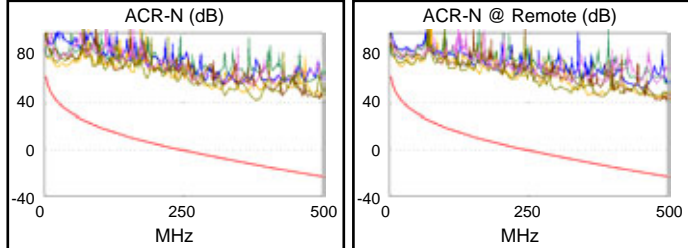
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-45	36-78	36-45
NEXT (dB)	17.4	17.9	18.5	20.6
Freq. (MHz)	3.1	3.1	378.0	486.0
Limit (dB)	64.8	64.8	29.4	26.4
Worst Pair	12	12	36	36
PS NEXT (dB)	17.1	18.1	22.1	21.2
Freq. (MHz)	3.3	3.3	485.0	486.0
Limit (dB)	62.0	62.0	23.6	23.6



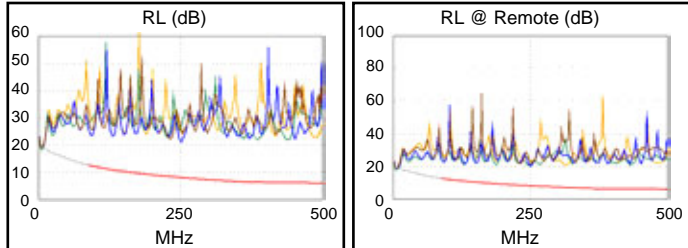
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-12	12-36	36-12
ACR-F (dB)	19.3	19.2	19.4	19.2
Freq. (MHz)	457.0	455.0	476.0	472.0
Limit (dB)	10.1	10.1	9.7	9.8
Worst Pair	36	36	36	36
PS ACR-F (dB)	21.2	20.8	21.2	20.8
Freq. (MHz)	500.0	447.0	500.0	448.0
Limit (dB)	6.3	7.3	6.3	7.2



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-45	36-78	36-45
ACR-N (dB)	20.0	20.6	54.4	62.7
Freq. (MHz)	3.0	3.0	378.0	486.0
Limit (dB)	61.4	61.4	-12.9	-22.1
Worst Pair	12	12	36	36
PS ACR-N (dB)	19.9	20.9	63.7	62.9
Freq. (MHz)	3.3	3.3	485.0	486.0
Limit (dB)	58.2	58.2	-24.9	-25.0



PASS	MAIN	SR	MAIN	SR
Worst Pair	45	36	45	45
RL (dB)	11.1	10.1	13.0	12.0
Freq. (MHz)	92.3	128.5	252.0	250.0
Limit (dB)	12.4	10.9	8.0	8.0



Compliant Network Standards:
 10BASE-T 100BASE-TX 100BASE-T4
 1000BASE-T 10GBASE-T ATM-25
 ATM-51 ATM-155 100VG-AnyLan
 TR-4 TR-16 Active TR-16 Passive



Cable ID: CAT7SSTP-4.0-15M-1

Date / Time: 05/19/2016 03:21:03 PM

Headroom 14.4 dB (NEXT 12-45)

Test Limit: TIA Cat 6A Channel

Cable Type: Cat 7 SSTP

Calibration Date: 02/02/2010

Operator: NAME

Software Version: 2.7400

Limits Version: 1.9300

NVP: 76.0%

Test Summary: PASS

Model: DTX-1800

Main S/N: 1216007

Remote S/N: 1216008

Main Adapter: DTX-CHA001

Remote Adapter: DTX-CHA001

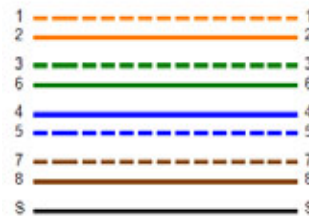
Length (ft), Limit 328	[Pair 12]	57
Prop. Delay (ns), Limit 555	[Pair 36]	77
Delay Skew (ns), Limit 50	[Pair 36]	1
Resistance (ohms)	[Pair 45]	47.8
Insertion Loss Margin (dB)	[Pair 78]	27.9
Frequency (MHz)	[Pair 78]	500.0
Limit (dB)	[Pair 78]	49.3



57 ft

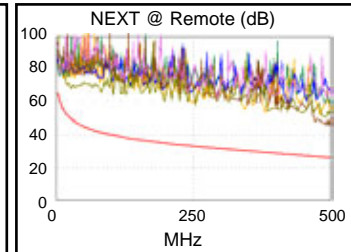
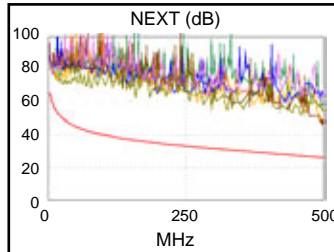


Wire Map (T568B)
PASS

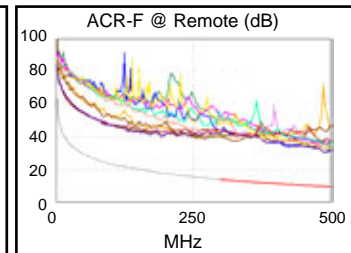
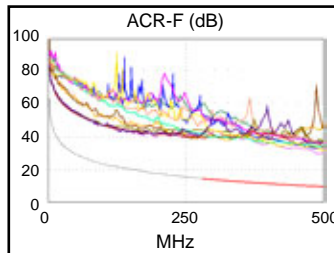


Worst Case Margin Worst Case Value

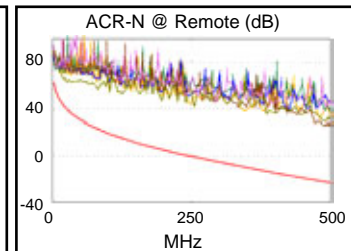
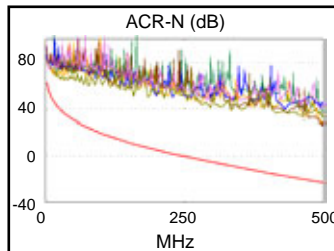
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-45	36-45	36-45
NEXT (dB)	17.5	14.4	20.6	17.8
Freq. (MHz)	3.8	3.9	496.0	486.0
Limit (dB)	63.5	63.3	26.2	26.4
Worst Pair	36	12	36	36
PS NEXT (dB)	17.1	14.6	21.1	19.8
Freq. (MHz)	5.3	3.3	498.0	486.0
Limit (dB)	58.6	62.0	23.3	23.6



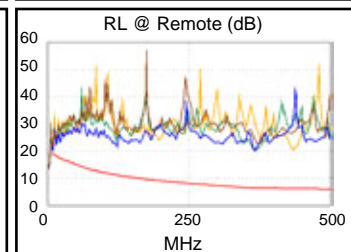
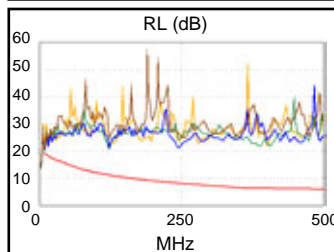
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	78-36	36-78	78-36
ACR-F (dB)	20.0	21.0	20.0	21.0
Freq. (MHz)	489.0	488.0	489.0	488.0
Limit (dB)	9.5	9.5	9.5	9.5
Worst Pair	78	36	78	36
PS ACR-F (dB)	20.4	22.2	20.4	22.5
Freq. (MHz)	489.0	1.0	489.0	487.0
Limit (dB)	6.5	60.3	6.5	6.5



N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-45	36-45	36-45
ACR-N (dB)	19.0	15.8	49.1	45.8
Freq. (MHz)	3.8	3.0	496.0	486.0
Limit (dB)	59.5	61.4	-22.9	-22.1
Worst Pair	12	12	36	36
PS ACR-N (dB)	18.7	16.0	49.8	48.2
Freq. (MHz)	3.3	3.3	498.0	486.0
Limit (dB)	58.2	58.2	-25.9	-25.0



PASS	MAIN	SR	MAIN	SR
Worst Pair	36	45	36	36
RL (dB)	1.0	1.1	1.0	13.2
Freq. (MHz)	8.6	8.6	8.6	366.0
Limit (dB)	19.0	19.0	19.0	6.4



Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	10GBASE-T	ATM-25
ATM-51	ATM-155	100VG-AnyLan
TR-4	TR-16 Active	TR-16 Passive



Cable ID: CAT7SSTP-4.0-10M-1

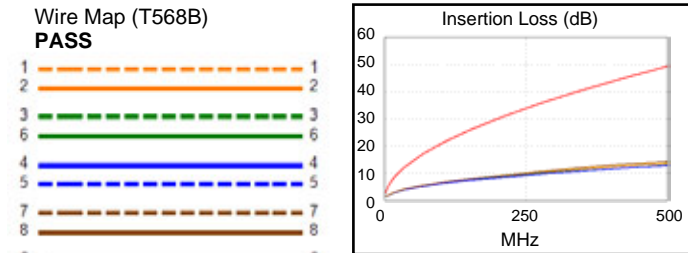
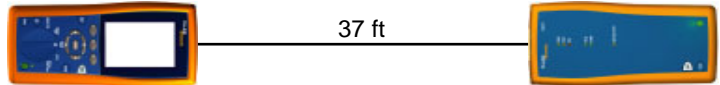
Date / Time: 05/19/2016 04:09:35 PM
Headroom 16.0 dB (NEXT 45-78)
Test Limit: TIA Cat 6A Channel
 Cable Type: Cat 7 SSTP
 Calibration Date: 02/02/2010

Operator: NAME
 Software Version: 2.7400
 Limits Version: 1.9300
 NVP: 76.0%

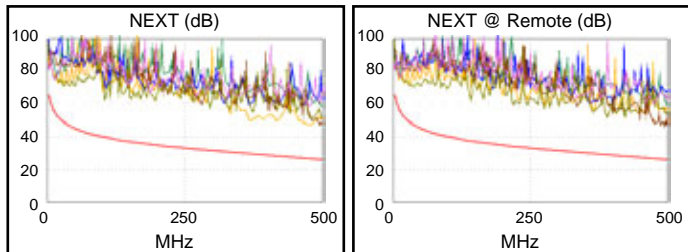
Test Summary: PASS

Model: DTX-1800
 Main S/N: 1216007
 Remote S/N: 1216008
 Main Adapter: DTX-CHA001
 Remote Adapter: DTX-CHA001

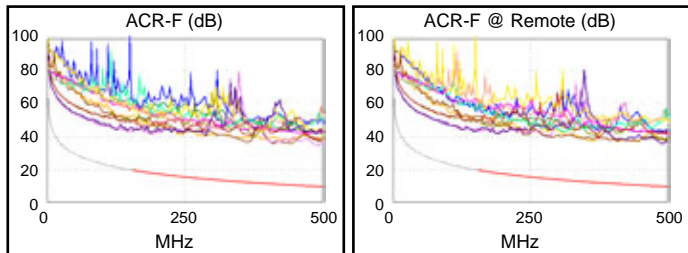
Length (ft), Limit 328	[Pair 78]	37
Prop. Delay (ns), Limit 555	[Pair 12]	51
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)	[Pair 12]	29.6
Insertion Loss Margin (dB)	[Pair 78]	35.1
Frequency (MHz)	[Pair 78]	500.0
Limit (dB)	[Pair 78]	49.3



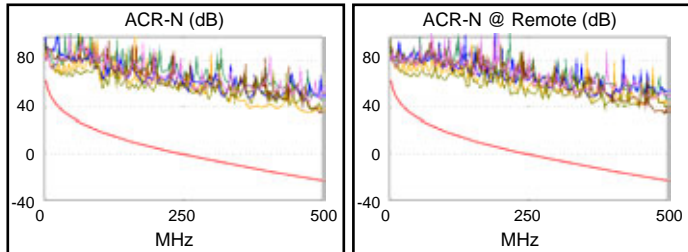
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	12-36	36-45
NEXT (dB)	16.2	16.0	20.2	20.2
Freq. (MHz)	2.6	2.4	475.0	493.0
Limit (dB)	65.0	65.0	26.7	26.3
Worst Pair	78	45	36	36
PS NEXT (dB)	18.3	17.7	20.8	22.3
Freq. (MHz)	2.9	2.6	479.0	493.0
Limit (dB)	62.0	62.0	23.7	23.4



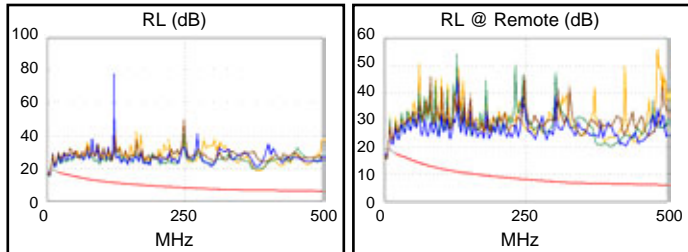
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	78-36
ACR-F (dB)	22.8	22.9	25.0	26.3
Freq. (MHz)	146.0	124.5	491.0	491.0
Limit (dB)	20.0	21.4	9.4	9.4
Worst Pair	45	45	78	36
PS ACR-F (dB)	22.9	22.9	27.7	25.9
Freq. (MHz)	1.0	1.0	491.0	491.0
Limit (dB)	60.3	60.3	6.4	6.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	12-36	36-45
ACR-N (dB)	18.0	17.7	55.5	56.5
Freq. (MHz)	2.3	2.4	475.0	493.0
Limit (dB)	61.8	61.7	-21.2	-22.7
Worst Pair	45	45	36	36
PS ACR-N (dB)	20.1	19.5	56.2	58.4
Freq. (MHz)	2.1	2.6	479.0	493.0
Limit (dB)	58.9	58.6	-24.4	-25.5



PASS	MAIN	SR	MAIN	SR
Worst Pair	36	45	12	36
RL (dB)	5.8	5.7	12.2	13.2
Freq. (MHz)	23.1	23.3	388.0	403.0
Limit (dB)	17.2	17.2	6.1	6.0



Compliant Network Standards:
 10BASE-T 100BASE-TX 100BASE-T4
 1000BASE-T 10GBASE-T ATM-25
 ATM-51 ATM-155 100VG-AnyLan
 TR-4 TR-16 Active TR-16 Passive