

LinkWare Live

Official Summary

Certification Report



Exclusively For:		Prepared By:	Projects
		Systec101	2 Drops for Coach office
		Murat Yildirim	
		info@systec101.com	
Product Name	Serial Number	Firmware Version	Calibration Date
DSX-8000	1927408	V6.12 Build 2	10/31/2022
DSX-8000	1927404	V6.12 Build 2	10/31/2022

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
2-8-17 @ COACHES OFFICE	PASS	TIA Cat 6 Channel	123 ft	5.7 dB (NEXT)	08/05/2025 04:54:37 PM
2-8-18 @ COACHES OFFICE	PASS	TIA Cat 6 Channel	123 ft	4.5 dB (NEXT)	08/05/2025 04:53:50 PM

Total Length:	246 ft
No of Reports:	2
No of Passing Reports:	2
No of Failing Reports:	0
No of Warning Reports:	0
Documentation only:	0



Cable ID: 2-8-17 @ COACHES OFFICE

Test Summary: PASS

Date / Time: 08/05/2025 04:54:37 PM

Headroom: 5.7 dB (NEXT)

Test Limit: TIA Cat 6 Channel

Cable Type: Cat 6 U/UTP

NVP: 69.0%

Project: 2 Drops for Coach office

Software Version: V6.12 Build 2

Calibration Date:

Main (Module): 10/31/2022

Remote (Module): 10/31/2022

Model: DSX-8000

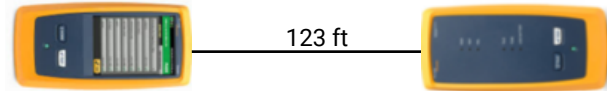
Main S/N: 1927404

Remote S/N: 1927408

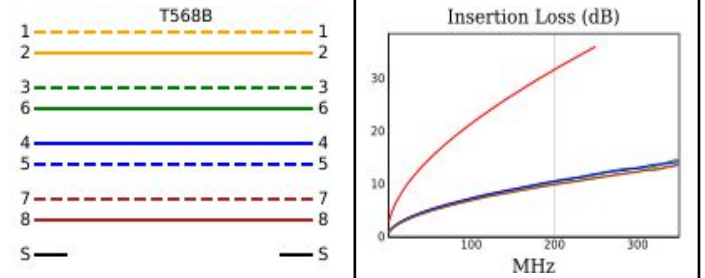
Main Adapter: DSX-CHA804

Remote Adapter: DSX-CHA804

Length (ft), Limit 328	[Pair 7,8]	123
Prop. Delay (ns), Limit 555	[Pair 4,5]	190
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	6.0
Insertion Loss Margin (dB)	[Pair 4,5]	24.1
Frequency (MHz)	[Pair 4,5]	250.0
Limit (dB)	[Pair 4,5]	35.9



PASS



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-7,8	1,2-3,6	3,6-7,8	3,6-7,8
NEXT (dB)	8.4	5.7	8.7	6.1
Freq. (MHz)	165.0	228.5	224.5	245.5
Limit (dB)	36.2	33.8	33.9	33.3
Worst Pair	7,8	3,6	7,8	3,6
PS NEXT (dB)	8.3	6.0	8.3	6.0
Freq. (MHz)	224.5	234.0	224.5	234.0
Limit (dB)	31.0	30.7	31.0	30.7

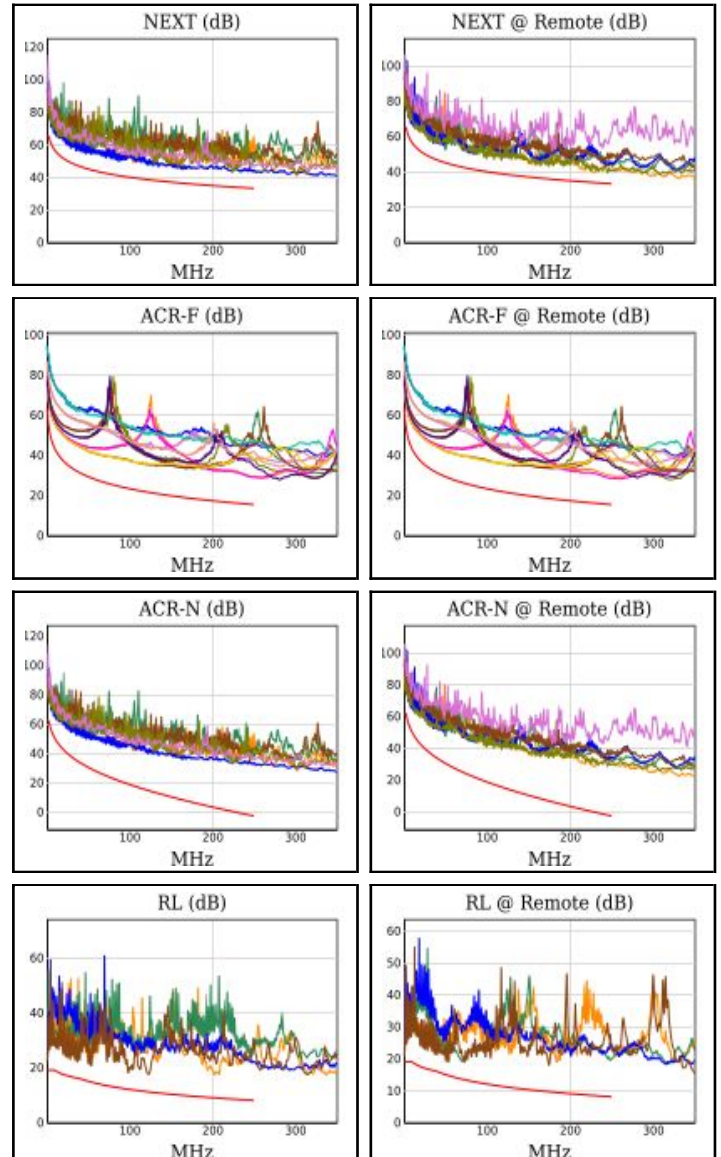
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-1,2	1,2-3,6
ACR-F (dB)	12.4	12.4	13.5	13.0
Freq. (MHz)	3.6	51.3	248.0	248.0
Limit (dB)	52.1	29.1	15.4	15.4
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.2	15.3	15.6
Freq. (MHz)	6.4	1.0	250.0	250.0
Limit (dB)	44.2	60.3	12.3	12.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-7,8	1,2-3,6
ACR-N (dB)	13.3	12.7	35.0	28.7
Freq. (MHz)	2.9	2.5	249.5	228.5
Limit (dB)	61.6	61.8	-2.8	-0.3
Worst Pair	7,8	3,6	7,8	3,6
PS ACR-N (dB)	14.0	13.1	31.7	29.4
Freq. (MHz)	5.8	2.9	224.5	234.0
Limit (dB)	53.2	58.6	-2.8	-3.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	1,2	7,8
RL (dB)	5.7	4.0	8.2	8.2
Freq. (MHz)	54.3	54.3	202.5	175.0
Limit (dB)	14.7	14.7	8.9	9.6

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		





Cable ID: 2-8-18 @ COACHES OFFICE

Date / Time: 08/05/2025 04:53:50 PM

Headroom: 4.5 dB (NEXT)

Test Limit: TIA Cat 6 Channel

Cable Type: Cat 6 U/UTP

NVP: 69.0%

Project: 2 Drops for Coach office

Software Version: V6.12 Build 2

Calibration Date:

Main (Module): 10/31/2022

Remote (Module): 10/31/2022

Model: DSX-8000

Main S/N: 1927404

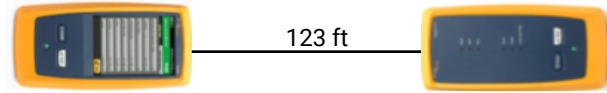
Remote S/N: 1927408

Main Adapter: DSX-CHA804

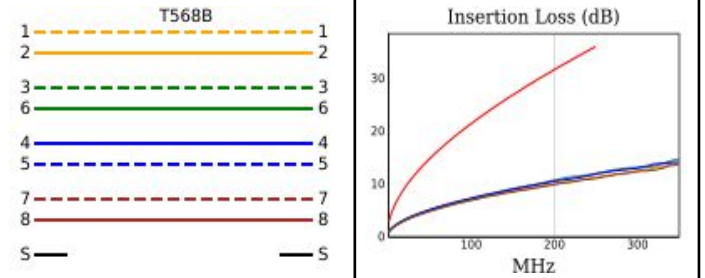
Remote Adapter: DSX-CHA804

Test Summary: PASS

Length (ft), Limit 328	[Pair 7,8]	123
Prop. Delay (ns), Limit 555	[Pair 4,5]	191
Delay Skew (ns), Limit 50	[Pair 4,5]	9
Resistance (ohms)	[Pair 3,6]	7.2
Insertion Loss Margin (dB)	[Pair 4,5]	24.0
Frequency (MHz)	[Pair 4,5]	250.0
Limit (dB)	[Pair 4,5]	35.9



PASS



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	1,2-3,6
NEXT (dB)	6.1	4.5	6.1	4.5
Freq. (MHz)	214.5	234.0	214.5	234.0
Limit (dB)	34.3	33.6	34.3	33.6
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	7.9	5.8	9.5	5.8
Freq. (MHz)	202.0	234.0	249.5	234.0
Limit (dB)	31.8	30.7	30.2	30.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	4,5-3,6	1,2-3,6	1,2-3,6
ACR-F (dB)	12.7	12.8	15.1	15.6
Freq. (MHz)	6.0	3.4	250.0	250.0
Limit (dB)	47.7	52.7	15.3	15.3
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.8	11.8	17.4	14.8
Freq. (MHz)	1.0	1.0	250.0	185.0
Limit (dB)	60.3	60.3	12.3	14.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	1,2-3,6	3,6-7,8	1,2-3,6
ACR-N (dB)	13.3	11.9	28.8	27.6
Freq. (MHz)	7.3	5.1	214.5	234.0
Limit (dB)	53.5	56.8	1.4	-1.0
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-N (dB)	13.2	11.4	33.6	28.9
Freq. (MHz)	4.5	4.9	249.5	234.0
Limit (dB)	55.4	54.7	-5.7	-3.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	4,5	7,8
RL (dB)	4.3	3.5	9.1	7.9
Freq. (MHz)	28.9	28.9	250.0	207.5
Limit (dB)	16.7	16.7	8.0	8.8

Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	2.5GBASE-T	5GBASE-T
ATM-25	ATM-51	ATM-155
100VG-AnyLan	TR-4	TR-16 Active
TR-16 Passive		

