

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
001	PASS	TIA Cat 6 Perm. Link	98 ft	5.6 dB (NEXT)	01/09/2023 05:15 PM
002	PASS	TIA Cat 6 Perm. Link	99 ft	2.0 dB (NEXT)	01/09/2023 05:16 PM
003	PASS	TIA Cat 6 Perm. Link	98 ft	4.5 dB (NEXT)	01/09/2023 05:18 PM
004	PASS	TIA Cat 6 Perm. Link	98 ft	5.3 dB (NEXT)	01/09/2023 05:19 PM
005	PASS	TIA Cat 6 Perm. Link	98 ft	2.0 dB (NEXT)	01/09/2023 05:19 PM
006	PASS	TIA Cat 6 Perm. Link	98 ft	2.7 dB (NEXT)	01/09/2023 05:20 PM
007	PASS	TIA Cat 6 Perm. Link	98 ft	1.4 dB (NEXT)	01/09/2023 05:20 PM
008	PASS	TIA Cat 6 Perm. Link	98 ft	5.0 dB (NEXT)	01/09/2023 05:23 PM
009	PASS	TIA Cat 6 Perm. Link	97 ft	5.1 dB (NEXT)	01/09/2023 05:23 PM
010	PASS	TIA Cat 6 Perm. Link	97 ft	1.1 dB (NEXT)	01/09/2023 05:24 PM
011	PASS	TIA Cat 6 Perm. Link	76 ft	4.1 dB (NEXT)	01/09/2023 05:25 PM
012	PASS	TIA Cat 6 Perm. Link	75 ft	5.9 dB (NEXT)	01/09/2023 05:25 PM
013	PASS	TIA Cat 6 Perm. Link	75 ft	3.2 dB (NEXT)	01/09/2023 05:25 PM
014	PASS	TIA Cat 6 Perm. Link	75 ft	6.3 dB (NEXT)	01/09/2023 05:26 PM
015	PASS	TIA Cat 6 Perm. Link	74 ft	5.3 dB (NEXT)	01/09/2023 05:26 PM
016	PASS	TIA Cat 6 Perm. Link	74 ft	3.0 dB (NEXT)	01/09/2023 05:26 PM
019	PASS	TIA Cat 6 Perm. Link	92 ft	3.0 dB (NEXT)	01/09/2023 05:30 PM
017	PASS	TIA Cat 6 Perm. Link	92 ft	5.0 dB (NEXT)	01/09/2023 05:31 PM
018	PASS	TIA Cat 6 Perm. Link	92 ft	4.3 dB (NEXT)	01/09/2023 05:32 PM
020	PASS	TIA Cat 6 Perm. Link	92 ft	5.3 dB (NEXT)	01/09/2023 05:33 PM
021	PASS	TIA Cat 6 Perm. Link	92 ft	6.1 dB (NEXT)	01/09/2023 05:34 PM
022	PASS	TIA Cat 6 Perm. Link	92 ft	3.5 dB (NEXT)	01/09/2023 05:34 PM
023	PASS	TIA Cat 6 Perm. Link	92 ft	4.8 dB (NEXT)	01/09/2023 05:34 PM
024	PASS	TIA Cat 6 Perm. Link	92 ft	2.8 dB (NEXT)	01/09/2023 05:34 PM
025	PASS	TIA Cat 6 Perm. Link	92 ft	5.8 dB (NEXT)	01/09/2023 05:35 PM
026	PASS	TIA Cat 6 Perm. Link	92 ft	1.6 dB (NEXT)	01/09/2023 05:37 PM
027	PASS	TIA Cat 6 Perm. Link	98 ft	3.4 dB (NEXT)	01/09/2023 05:38 PM
028	PASS	TIA Cat 6 Perm. Link	98 ft	6.0 dB (NEXT)	01/09/2023 05:42 PM
029	PASS	TIA Cat 6 Perm. Link	98 ft	4.8 dB (NEXT)	01/09/2023 05:42 PM
030	PASS	TIA Cat 6 Perm. Link	98 ft	3.4 dB (NEXT)	01/09/2023 05:42 PM
031	PASS	TIA Cat 6 Perm. Link	118 ft	3.7 dB (NEXT)	01/09/2023 05:43 PM
032	PASS	TIA Cat 6 Perm. Link	117 ft	7.0 dB (NEXT)	01/09/2023 05:43 PM
033	PASS	TIA Cat 6 Perm. Link	117 ft	5.9 dB (NEXT)	01/09/2023 05:44 PM
034	PASS	TIA Cat 6 Perm. Link	117 ft	4.1 dB (NEXT)	01/09/2023 05:44 PM
035	PASS	TIA Cat 6 Perm. Link	118 ft	3.4 dB (NEXT)	01/09/2023 05:44 PM
036	PASS	TIA Cat 6 Perm. Link	118 ft	5.3 dB (NEXT)	01/09/2023 05:49 PM
037	PASS	TIA Cat 6 Perm. Link	119 ft	2.8 dB (NEXT)	01/09/2023 05:49 PM
038	PASS	TIA Cat 6 Perm. Link	118 ft	6.5 dB (NEXT)	01/09/2023 05:50 PM
039	PASS	TIA Cat 6 Perm. Link	118 ft	5.7 dB (NEXT)	01/09/2023 05:50 PM
040	PASS	TIA Cat 6 Perm. Link	118 ft	1.1 dB (NEXT)	01/09/2023 05:50 PM
041	PASS	TIA Cat 6 Perm. Link	123 ft	5.4 dB (NEXT)	01/09/2023 05:51 PM
042	PASS	TIA Cat 6 Perm. Link	123 ft	4.0 dB (NEXT)	01/09/2023 05:52 PM
043	PASS	TIA Cat 6 Perm. Link	123 ft	1.4 dB (NEXT)	01/09/2023 05:53 PM
044	PASS	TIA Cat 6 Perm. Link	123 ft	2.7 dB (NEXT)	01/09/2023 05:53 PM
045	PASS	TIA Cat 6 Perm. Link	123 ft	3.3 dB (NEXT)	01/09/2023 05:53 PM
046	PASS	TIA Cat 6 Perm. Link	123 ft	5.3 dB (NEXT)	01/09/2023 05:54 PM
047	PASS	TIA Cat 6 Perm. Link	118 ft	4.5 dB (NEXT)	01/09/2023 05:54 PM
048	PASS	TIA Cat 6 Perm. Link	116 ft	2.0 dB (NEXT)	01/09/2023 05:54 PM
049	PASS	TIA Cat 6 Perm. Link	117 ft	7.4 dB (NEXT)	01/09/2023 01:06 PM
050	PASS	TIA Cat 6 Perm. Link	117 ft	1.6 dB (NEXT)	01/09/2023 01:12 PM
051	PASS	TIA Cat 6 Perm. Link	118 ft	4.1 dB (NEXT)	01/09/2023 01:14 PM
052	PASS	TIA Cat 6 Perm. Link	118 ft	6.1 dB (NEXT)	01/09/2023 01:15 PM
053	PASS	TIA Cat 6 Perm. Link	117 ft	4.2 dB (NEXT)	01/09/2023 01:15 PM
054	PASS	TIA Cat 6 Perm. Link	116 ft	4.6 dB (NEXT)	01/09/2023 01:16 PM
056	PASS	TIA Cat 6 Perm. Link	88 ft	3.5 dB (NEXT)	01/09/2023 01:21 PM
055	PASS	TIA Cat 6 Perm. Link	88 ft	3.5 dB (NEXT)	01/09/2023 01:21 PM
057	PASS	TIA Cat 6 Perm. Link	88 ft	2.0 dB (NEXT)	01/09/2023 01:21 PM
058	PASS	TIA Cat 6 Perm. Link	88 ft	3.3 dB (NEXT)	01/09/2023 01:22 PM
059	PASS	TIA Cat 6 Perm. Link	77 ft	4.6 dB (NEXT)	01/09/2023 01:24 PM
060	PASS	TIA Cat 6 Perm. Link	78 ft	4.2 dB (NEXT)	01/09/2023 01:25 PM
061	PASS	TIA Cat 6 Perm. Link	77 ft	5.4 dB (NEXT)	01/09/2023 01:25 PM
062	PASS	TIA Cat 6 Perm. Link	76 ft	3.4 dB (NEXT)	01/09/2023 01:25 PM
063	PASS	TIA Cat 6 Perm. Link	76 ft	5.0 dB (NEXT)	01/09/2023 01:26 PM
064	PASS	TIA Cat 6 Perm. Link	76 ft	4.9 dB (NEXT)	01/09/2023 01:26 PM
065	PASS	TIA Cat 6 Perm. Link	76 ft	4.5 dB (NEXT)	01/09/2023 01:30 PM
066	PASS	TIA Cat 6 Perm. Link	77 ft	6.4 dB (NEXT)	01/09/2023 01:30 PM
067	PASS	TIA Cat 6 Perm. Link	76 ft	3.6 dB (NEXT)	01/09/2023 01:31 PM
068	PASS	TIA Cat 6 Perm. Link	76 ft	4.4 dB (NEXT)	01/09/2023 01:31 PM
069	PASS	TIA Cat 6 Perm. Link	73 ft	1.1 dB (NEXT)	01/09/2023 01:36 PM
070	PASS	TIA Cat 6 Perm. Link	30 ft	3.6 dB (NEXT)	01/09/2023 01:36 PM
071	PASS	TIA Cat 6 Perm. Link	30 ft	3.7 dB (NEXT)	01/09/2023 01:47 PM
072	PASS	TIA Cat 6 Perm. Link	31 ft	3.9 dB (NEXT)	01/09/2023 01:49 PM
073	PASS	TIA Cat 6 Perm. Link	32 ft	3.7 dB (NEXT)	01/09/2023 01:55 PM
074	PASS	TIA Cat 6 Perm. Link	32 ft	3.6 dB (NEXT)	01/09/2023 02:03 PM
075	PASS	TIA Cat 6 Perm. Link	32 ft	3.6 dB (NEXT)	01/09/2023 02:02 PM
076	PASS	TIA Cat 6 Perm. Link	30 ft	4.8 dB (NEXT)	01/09/2023 02:01 PM
077	PASS	TIA Cat 6 Perm. Link	32 ft	3.2 dB (NEXT)	01/09/2023 04:28 PM

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
078	PASS	TIA Cat 6 Perm. Link	41 ft	3.0 dB (NEXT)	01/09/2023 02:30 PM
079	PASS	TIA Cat 6 Perm. Link	30 ft	2.5 dB (NEXT)	01/09/2023 03:04 PM
080	PASS	TIA Cat 6 Perm. Link	32 ft	3.4 dB (NEXT)	01/09/2023 04:22 PM
081	PASS	TIA Cat 6 Perm. Link	32 ft	3.4 dB (NEXT)	01/09/2023 04:21 PM
082	PASS	TIA Cat 6 Perm. Link	66 ft	3.7 dB (NEXT)	01/09/2023 03:12 PM
083	PASS	TIA Cat 6 Perm. Link	68 ft	1.6 dB (NEXT)	01/09/2023 03:15 PM
084	PASS	TIA Cat 6 Perm. Link	66 ft	4.5 dB (NEXT)	01/09/2023 03:17 PM
085	PASS	TIA Cat 6 Perm. Link	68 ft	5.4 dB (NEXT)	01/09/2023 03:19 PM
086	PASS	TIA Cat 6 Perm. Link	28 ft	2.2 dB (NEXT)	01/09/2023 03:21 PM
087	PASS	TIA Cat 6 Perm. Link	29 ft	3.9 dB (NEXT)	01/09/2023 03:23 PM
088	PASS	TIA Cat 6 Perm. Link	39 ft	1.4 dB (NEXT)	01/09/2023 03:24 PM
089	PASS	TIA Cat 6 Perm. Link	39 ft	3.1 dB (NEXT)	01/09/2023 03:25 PM
090	PASS	TIA Cat 6 Perm. Link	27 ft	1.9 dB (NEXT)	01/09/2023 03:26 PM
091	PASS	TIA Cat 6 Perm. Link	28 ft	1.0 dB (NEXT)	01/09/2023 04:23 PM
092	PASS	TIA Cat 6 Perm. Link	29 ft	2.7 dB (NEXT)	01/09/2023 03:31 PM
093	PASS	TIA Cat 6 Perm. Link	28 ft	3.1 dB (NEXT)	01/09/2023 03:32 PM
094	PASS	TIA Cat 6 Perm. Link	28 ft	3.2 dB (NEXT)	01/09/2023 03:36 PM
095	PASS	TIA Cat 6 Perm. Link	28 ft	3.6 dB (NEXT)	01/09/2023 03:41 PM
096	PASS	TIA Cat 6 Perm. Link	30 ft	3.4 dB (NEXT)	01/09/2023 03:44 PM
097	PASS	TIA Cat 6 Perm. Link	27 ft	1.9 dB (NEXT)	01/09/2023 03:26 PM
098	PASS	TIA Cat 6 Perm. Link	29 ft	2.7 dB (NEXT)	01/09/2023 03:31 PM
099	PASS	TIA Cat 6 Perm. Link	29 ft	2.7 dB (NEXT)	01/09/2023 03:31 PM
100	PASS	TIA Cat 6 Perm. Link	29 ft	2.7 dB (NEXT)	01/09/2023 03:31 PM
101	PASS	TIA Cat 6 Perm. Link	28 ft	2.2 dB (NEXT)	01/09/2023 03:21 PM
102	PASS	TIA Cat 6 Perm. Link	28 ft	2.2 dB (NEXT)	01/09/2023 03:21 PM
103	PASS	TIA Cat 6 Perm. Link	28 ft	3.6 dB (NEXT)	01/09/2023 03:41 PM
104	PASS	TIA Cat 6 Perm. Link	29 ft	2.7 dB (NEXT)	01/09/2023 03:31 PM
105	PASS	TIA Cat 6 Perm. Link	30 ft	2.5 dB (NEXT)	01/09/2023 03:04 PM

Total Length:	8025 ft
Number of Reports:	105
Number of Passing Reports:	105
Number of Failing Reports:	0
Number of Warning Reports:	0
Documentation Only:	0



Cable ID: 001

Date / Time: 01/09/2023 05:15:32 PM

Headroom 5.6 dB (NEXT 36-78)

Test Limit: TIA Cat 6 Perm. Link

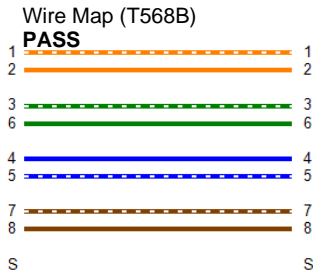
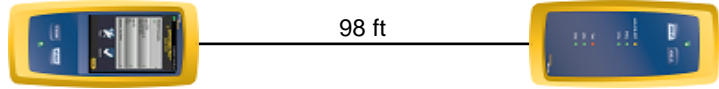
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	98
Prop. Delay (ns), Limit 498	[Pair 78]	153
Delay Skew (ns), Limit 44	[Pair 78]	10
Resistance (ohms)	[Pair 36]	4.90
Insertion Loss Margin (dB)	[Pair 36]	21.6
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-45
NEXT (dB)	5.6	7.4	5.9	7.7
Freq. (MHz)	214.0	186.5	235.5	250.0
Limit (dB)	36.4	37.4	35.8	35.3
Worst Pair	78	36	36	36
PS NEXT (dB)	6.5	6.9	6.8	6.9
Freq. (MHz)	193.5	250.0	241.5	250.0
Limit (dB)	34.6	32.7	33.0	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	78-12	12-78
ACR-F (dB)	19.0	19.1	19.5	19.5
Freq. (MHz)	7.8	8.3	250.0	250.0
Limit (dB)	46.4	45.9	16.2	16.2
Worst Pair	45	45	12	78
PS ACR-F (dB)	17.8	18.1	21.9	21.9
Freq. (MHz)	1.3	1.1	250.0	250.0
Limit (dB)	59.3	60.2	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-45
ACR-N (dB)	13.8	14.6	27.0	29.7
Freq. (MHz)	36.0	18.9	235.5	250.0
Limit (dB)	38.3	45.8	5.7	4.2
Worst Pair	36	36	36	36
PS ACR-N (dB)	14.5	14.9	27.9	28.5
Freq. (MHz)	15.1	15.1	241.5	250.0
Limit (dB)	45.8	45.8	2.5	1.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	5.0	4.9	5.0	6.5
Freq. (MHz)	216.0	49.5	216.0	248.5
Limit (dB)	10.7	17.1	10.7	10.0

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



Cable ID: 002

Date / Time: 01/09/2023 05:16:41 PM

Headroom 2.0 dB (NEXT 45-78)

Test Limit: TIA Cat 6 Perm. Link

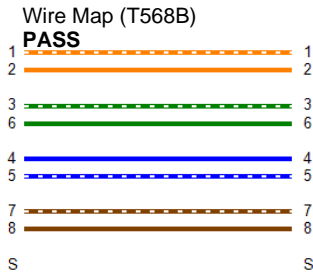
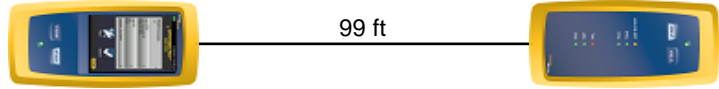
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	99
Prop. Delay (ns), Limit 498	[Pair 78]	154
Delay Skew (ns), Limit 44	[Pair 78]	10
Resistance (ohms)	[Pair 78]	4.87
Insertion Loss Margin (dB)	[Pair 36]	21.6
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
NEXT (dB)	2.0	2.7	2.0	5.3
Freq. (MHz)	240.0	109.5	240.0	229.5
Limit (dB)	35.6	41.2	35.6	35.9
Worst Pair	78	45	45	12
PS NEXT (dB)	4.3	5.1	4.4	6.9
Freq. (MHz)	109.5	109.5	240.0	247.5
Limit (dB)	38.7	38.7	33.0	32.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-36	45-78
ACR-F (dB)	16.8	16.9	22.0	21.7
Freq. (MHz)	5.9	5.9	225.0	222.0
Limit (dB)	48.8	48.8	17.1	17.3
Worst Pair	45	45	45	45
PS ACR-F (dB)	16.8	16.7	22.4	22.1
Freq. (MHz)	1.3	1.0	218.5	225.0
Limit (dB)	59.3	61.2	14.4	14.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	12-36
ACR-N (dB)	8.5	9.1	23.1	27.6
Freq. (MHz)	10.0	10.0	240.0	247.5
Limit (dB)	52.3	52.3	5.3	4.5
Worst Pair	45	45	78	36
PS ACR-N (dB)	10.1	10.9	25.7	28.7
Freq. (MHz)	10.0	10.0	240.0	250.0
Limit (dB)	49.9	49.9	2.6	1.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	3.3	5.0	4.4	5.0
Freq. (MHz)	105.5	160.5	229.0	160.5
Limit (dB)	13.8	11.9	10.4	11.9

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



Cable ID: 003

Date / Time: 01/09/2023 05:18:49 PM

Headroom 4.5 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

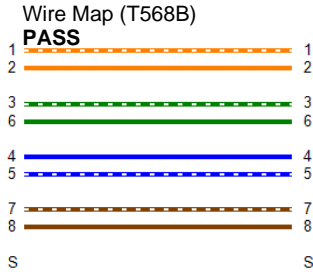
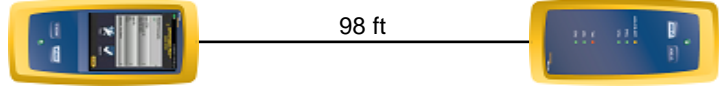
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	98
Prop. Delay (ns), Limit 498	[Pair 78]	153
Delay Skew (ns), Limit 44	[Pair 78]	10
Resistance (ohms)	[Pair 36]	4.87
Insertion Loss Margin (dB)	[Pair 36]	21.6
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	4.5	4.8	4.5	4.8
Freq. (MHz)	237.5	231.0	237.5	231.0
Limit (dB)	35.7	35.9	35.7	35.9
Worst Pair	36	36	36	36
PS NEXT (dB)	5.7	5.4	5.7	5.4
Freq. (MHz)	237.5	241.5	237.5	241.5
Limit (dB)	33.1	33.0	33.1	33.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	45-36
ACR-F (dB)	14.6	14.6	16.9	16.5
Freq. (MHz)	4.9	4.8	245.0	234.0
Limit (dB)	50.4	50.7	16.4	16.8
Worst Pair	45	45	36	36
PS ACR-F (dB)	15.6	15.6	18.9	19.4
Freq. (MHz)	1.1	1.1	243.0	250.0
Limit (dB)	60.2	60.2	13.5	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-78	12-36	12-36
ACR-N (dB)	14.4	15.7	25.4	25.1
Freq. (MHz)	24.1	8.6	237.5	231.0
Limit (dB)	43.1	53.7	5.5	6.2
Worst Pair	36	36	36	36
PS ACR-N (dB)	15.1	15.6	26.6	26.6
Freq. (MHz)	6.9	6.9	237.5	241.5
Limit (dB)	53.5	53.5	2.9	2.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	45	36	45
RL (dB)	4.0	4.0	4.0	4.0
Freq. (MHz)	232.5	222.0	232.5	222.0
Limit (dB)	10.3	10.5	10.3	10.5

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



Cable ID: 004

Date / Time: 01/09/2023 05:19:13 PM

Headroom 5.3 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

Cable Type: DataTwist 2412, 24 CMR/NH

NVP: 70.0%

Operator: Lynch Networks

Software Version: V6.8 Build 6

Limits Version: V6.2

Calibration Start Date:

Main (Module): 09/30/2022

Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000

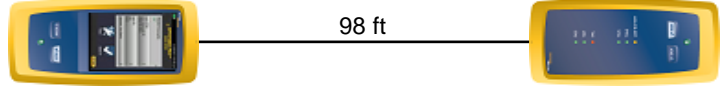
Main S/N: 3788256

Remote S/N: 3587215

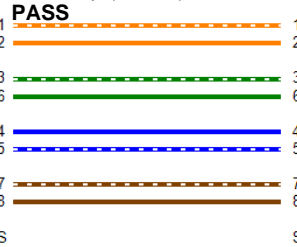
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	98
Prop. Delay (ns), Limit 498	[Pair 78]	153
Delay Skew (ns), Limit 44	[Pair 78]	10
Resistance (ohms)	[Pair 36]	4.90
Insertion Loss Margin (dB)	[Pair 36]	19.8
Frequency (MHz)	[Pair 36]	229.5
Limit (dB)	[Pair 36]	29.6



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	5.4	5.3	5.8	5.3
Freq. (MHz)	165.0	248.5	244.0	248.5
Limit (dB)	38.3	35.4	35.5	35.4
Worst Pair	12	36	36	36
PS NEXT (dB)	5.9	5.6	6.5	5.6
Freq. (MHz)	190.5	248.0	248.0	248.0
Limit (dB)	34.7	32.8	32.8	32.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
ACR-F (dB)	14.7	14.7	15.8	16.7
Freq. (MHz)	4.8	5.3	234.5	244.0
Limit (dB)	50.7	49.8	16.8	16.4
Worst Pair	45	36	45	45
PS ACR-F (dB)	15.8	15.8	19.1	18.8
Freq. (MHz)	1.0	1.0	250.0	250.0
Limit (dB)	61.2	61.2	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-36	12-36
ACR-N (dB)	14.5	15.2	27.2	26.9
Freq. (MHz)	5.5	4.6	244.0	248.5
Limit (dB)	57.8	59.3	4.8	4.4
Worst Pair	45	12	36	36
PS ACR-N (dB)	15.8	16.0	28.1	27.2
Freq. (MHz)	5.8	24.3	248.0	248.0
Limit (dB)	55.1	40.6	1.8	1.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	45
RL (dB)	1.3	4.0	1.3	4.5
Freq. (MHz)	229.5	99.5	229.5	248.0
Limit (dB)	10.4	14.0	10.4	10.1

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	



Cable ID: 005

Date / Time: 01/09/2023 05:19:56 PM

Headroom 2.0 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

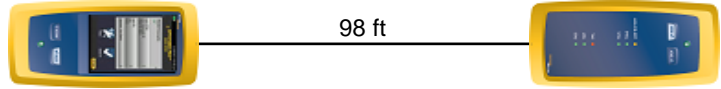
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

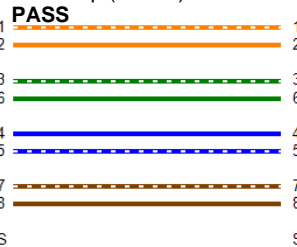
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	98
Prop. Delay (ns), Limit 498	[Pair 78]	153
Delay Skew (ns), Limit 44	[Pair 78]	10
Resistance (ohms)	[Pair 78]	4.91
Insertion Loss Margin (dB)	[Pair 36]	21.6
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	5.5	2.0	5.6	2.0
Freq. (MHz)	244.5	244.0	247.5	244.0
Limit (dB)	35.5	35.5	35.4	35.5
Worst Pair	36	12	36	36
PS NEXT (dB)	5.1	3.4	5.2	3.4
Freq. (MHz)	244.5	199.0	248.0	240.5
Limit (dB)	32.9	34.4	32.8	33.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	45-78	78-45
ACR-F (dB)	18.9	18.9	22.5	22.8
Freq. (MHz)	23.3	20.3	219.5	219.5
Limit (dB)	36.9	38.1	17.4	17.4
Worst Pair	78	78	78	78
PS ACR-F (dB)	19.0	19.5	22.3	23.0
Freq. (MHz)	97.0	106.0	214.5	232.0
Limit (dB)	21.5	20.7	14.6	13.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	10.6	9.8	27.1	23.4
Freq. (MHz)	3.6	3.6	247.5	244.0
Limit (dB)	61.4	61.4	4.5	4.8
Worst Pair	36	36	36	36
PS ACR-N (dB)	12.2	11.4	26.8	24.5
Freq. (MHz)	3.9	3.9	248.0	240.5
Limit (dB)	58.5	58.5	1.8	2.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	45	36	45
RL (dB)	4.8	3.4	4.8	3.4
Freq. (MHz)	201.0	219.5	201.0	219.5
Limit (dB)	11.0	10.6	11.0	10.6

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



Cable ID: 006

Date / Time: 01/09/2023 05:20:17 PM

Headroom 2.7 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

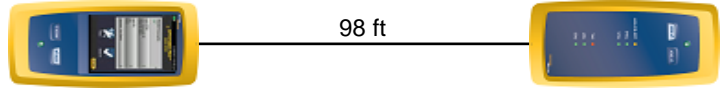
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

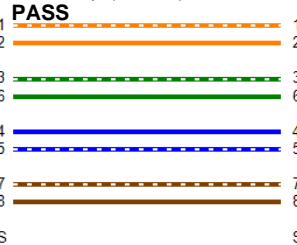
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	98
Prop. Delay (ns), Limit 498	[Pair 78]	152
Delay Skew (ns), Limit 44	[Pair 78]	9
Resistance (ohms)	[Pair 36]	4.90
Insertion Loss Margin (dB)	[Pair 36]	21.8
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	4.8	2.7	5.3	2.8
Freq. (MHz)	221.5	239.0	249.5	239.5
Limit (dB)	36.2	35.7	35.4	35.6
Worst Pair	36	36	36	36
PS NEXT (dB)	5.5	3.3	5.8	3.3
Freq. (MHz)	228.5	239.5	249.5	239.5
Limit (dB)	33.4	33.0	32.7	33.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	45-36	36-45
ACR-F (dB)	20.4	20.3	21.6	21.9
Freq. (MHz)	9.1	9.0	247.0	247.0
Limit (dB)	45.0	45.1	16.3	16.3
Worst Pair	36	36	36	36
PS ACR-F (dB)	19.0	18.7	21.9	23.1
Freq. (MHz)	1.1	1.3	198.5	249.0
Limit (dB)	60.2	59.3	15.2	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	12.1	11.8	27.1	24.3
Freq. (MHz)	6.9	6.9	249.5	243.0
Limit (dB)	55.8	55.8	4.3	4.9
Worst Pair	36	36	36	36
PS ACR-N (dB)	12.5	11.8	27.5	24.4
Freq. (MHz)	7.0	6.9	249.5	239.5
Limit (dB)	53.3	53.5	1.7	2.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.7	4.7	5.7	4.7
Freq. (MHz)	177.5	217.0	177.5	217.0
Limit (dB)	11.5	10.6	11.5	10.6

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



Cable ID: 007

Date / Time: 01/09/2023 05:20:42 PM

Headroom 1.4 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

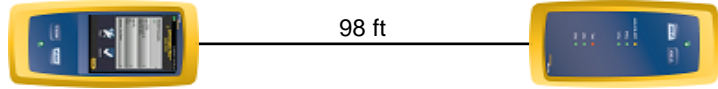
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

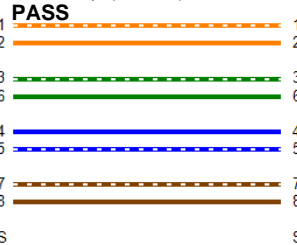
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	98
Prop. Delay (ns), Limit 498	[Pair 78]	152
Delay Skew (ns), Limit 44	[Pair 78]	10
Resistance (ohms)	[Pair 36]	4.87
Insertion Loss Margin (dB)	[Pair 36]	20.0
Frequency (MHz)	[Pair 36]	230.5
Limit (dB)	[Pair 36]	29.7



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-36
NEXT (dB)	5.2	1.4	5.2	1.5
Freq. (MHz)	166.5	201.0	249.5	236.0
Limit (dB)	38.2	36.9	35.4	35.7
Worst Pair	36	36	36	36
PS NEXT (dB)	5.4	2.6	5.4	2.6
Freq. (MHz)	249.5	249.0	249.5	249.0
Limit (dB)	32.7	32.7	32.7	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	36-45	45-36
ACR-F (dB)	14.7	14.7	17.1	16.8
Freq. (MHz)	5.0	4.6	249.5	249.0
Limit (dB)	50.2	50.9	16.2	16.3
Worst Pair	45	45	45	36
PS ACR-F (dB)	14.7	14.7	19.7	19.0
Freq. (MHz)	1.4	1.3	249.5	246.0
Limit (dB)	58.4	59.3	13.2	13.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-36
ACR-N (dB)	12.3	10.6	26.8	22.2
Freq. (MHz)	17.3	17.4	249.5	236.0
Limit (dB)	46.8	46.7	4.3	5.7
Worst Pair	12	36	36	36
PS ACR-N (dB)	12.9	11.9	26.8	24.0
Freq. (MHz)	17.3	17.3	249.5	249.0
Limit (dB)	44.4	44.4	1.7	1.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	36	45	36
RL (dB)	4.2	1.7	4.5	1.7
Freq. (MHz)	91.8	230.5	249.5	230.5
Limit (dB)	14.4	10.4	10.0	10.4

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



Cable ID: 008

Date / Time: 01/09/2023 05:23:22 PM

Headroom 5.0 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

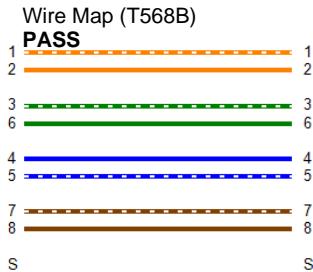
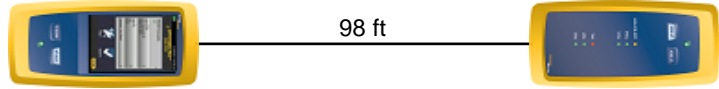
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	98
Prop. Delay (ns), Limit 498	[Pair 78]	151
Delay Skew (ns), Limit 44	[Pair 78]	9
Resistance (ohms)	[Pair 78]	4.84
Insertion Loss Margin (dB)	[Pair 36]	21.7
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	5.8	5.0	5.8	5.0
Freq. (MHz)	243.5	223.0	243.5	223.0
Limit (dB)	35.5	36.2	35.5	36.2
Worst Pair	36	12	36	36
PS NEXT (dB)	6.0	5.8	6.0	6.5
Freq. (MHz)	240.0	135.5	240.0	236.5
Limit (dB)	33.0	37.1	33.0	33.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	78-12	12-78	78-12
ACR-F (dB)	16.7	16.8	16.8	16.8
Freq. (MHz)	249.0	249.0	250.0	249.0
Limit (dB)	16.3	16.3	16.2	16.3
Worst Pair	36	12	12	12
PS ACR-F (dB)	18.3	18.2	18.9	18.2
Freq. (MHz)	1.0	249.0	250.0	249.0
Limit (dB)	61.2	13.3	13.2	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-45	12-36	12-36
ACR-N (dB)	14.2	13.2	27.1	27.9
Freq. (MHz)	13.5	15.8	243.5	250.0
Limit (dB)	49.3	47.7	4.9	4.2
Worst Pair	12	12	36	36
PS ACR-N (dB)	14.7	12.9	27.2	27.4
Freq. (MHz)	17.1	17.1	240.0	236.5
Limit (dB)	44.5	44.5	2.6	3.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	5.2	1.4	5.5	1.4
Freq. (MHz)	113.5	113.5	250.0	113.5
Limit (dB)	13.5	13.5	10.0	13.5

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



Cable ID: 009

Date / Time: 01/09/2023 05:23:47 PM

Headroom 5.1 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

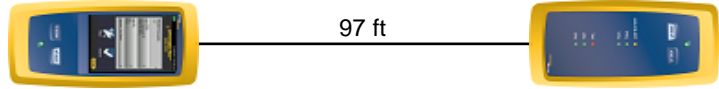
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

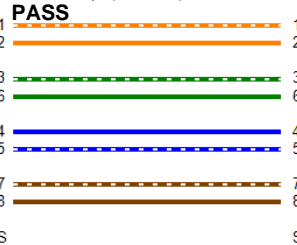
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	97
Prop. Delay (ns), Limit 498	[Pair 78]	150
Delay Skew (ns), Limit 44	[Pair 78]	9
Resistance (ohms)	[Pair 78]	4.80
Insertion Loss Margin (dB)	[Pair 36]	21.7
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	12-36	36-45
NEXT (dB)	5.1	6.0	5.1	6.0
Freq. (MHz)	206.5	219.5	206.5	219.5
Limit (dB)	36.7	36.3	36.7	36.3
Worst Pair	36	36	36	36
PS NEXT (dB)	6.2	6.4	7.1	6.4
Freq. (MHz)	208.0	207.5	248.5	207.5
Limit (dB)	34.0	34.1	32.7	34.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	45-36	12-78	12-78
ACR-F (dB)	19.1	19.2	19.2	19.3
Freq. (MHz)	238.0	7.9	250.0	249.0
Limit (dB)	16.7	46.3	16.2	16.3
Worst Pair	36	36	78	36
PS ACR-F (dB)	18.8	18.8	20.3	20.1
Freq. (MHz)	1.0	1.3	250.0	250.0
Limit (dB)	61.2	59.3	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-78	12-36	36-45
ACR-N (dB)	14.8	15.5	27.5	29.4
Freq. (MHz)	6.5	11.9	234.5	248.5
Limit (dB)	56.3	50.6	5.8	4.4
Worst Pair	36	78	36	36
PS ACR-N (dB)	15.2	14.7	28.7	29.4
Freq. (MHz)	9.9	8.3	248.5	245.5
Limit (dB)	50.1	51.8	1.8	2.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	4.8	2.4	6.0	3.6
Freq. (MHz)	100.5	100.5	194.5	194.5
Limit (dB)	14.0	14.0	11.1	11.1

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



Cable ID: 010

Date / Time: 01/09/2023 05:24:36 PM

Headroom 1.1 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

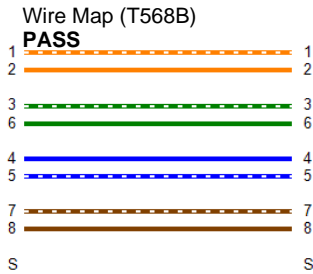
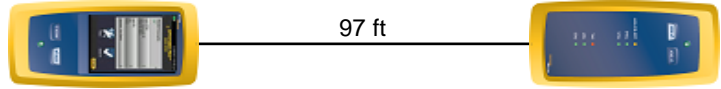
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	97
Prop. Delay (ns), Limit 498	[Pair 78]	151
Delay Skew (ns), Limit 44	[Pair 78]	10
Resistance (ohms)	[Pair 78]	4.84
Insertion Loss Margin (dB)	[Pair 36]	21.8
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	6.4	1.1	7.0	1.1
Freq. (MHz)	69.5	248.5	241.0	248.5
Limit (dB)	44.4	35.4	35.6	35.4
Worst Pair	12	36	36	36
PS NEXT (dB)	7.8	2.9	8.1	2.9
Freq. (MHz)	220.5	248.0	241.0	248.0
Limit (dB)	33.6	32.8	33.0	32.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	78-12	12-78	78-12	12-78
ACR-F (dB)	16.4	16.4	16.4	16.5
Freq. (MHz)	250.0	249.0	250.0	250.0
Limit (dB)	16.2	16.3	16.2	16.2
Worst Pair	45	45	12	78
PS ACR-F (dB)	17.2	17.1	18.7	18.9
Freq. (MHz)	1.3	1.3	250.0	250.0
Limit (dB)	59.3	59.3	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	11.9	10.8	28.3	22.8
Freq. (MHz)	3.8	20.4	241.0	248.5
Limit (dB)	61.1	45.0	5.1	4.4
Worst Pair	12	12	36	36
PS ACR-N (dB)	13.5	12.1	29.4	24.6
Freq. (MHz)	3.8	10.5	241.0	248.0
Limit (dB)	58.6	49.5	2.5	1.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	4.0	1.9	4.0	1.9
Freq. (MHz)	168.5	168.5	168.5	168.5
Limit (dB)	11.7	11.7	11.7	11.7

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



Cable ID: 011

Date / Time: 01/09/2023 05:25:10 PM

Headroom 4.1 dB (NEXT 36-45)

Test Limit: TIA Cat 6 Perm. Link

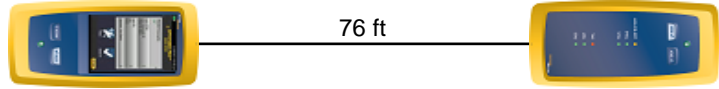
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

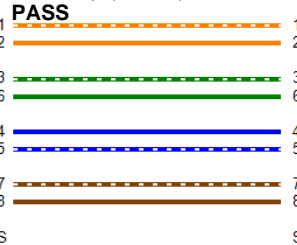
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	76
Prop. Delay (ns), Limit 498	[Pair 78]	117
Delay Skew (ns), Limit 44	[Pair 78]	7
Resistance (ohms)	[Pair 36]	3.79
Insertion Loss Margin (dB)	[Pair 36]	23.8
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	4.1	5.5	4.1	5.5
Freq. (MHz)	237.0	237.5	237.0	237.5
Limit (dB)	35.7	35.7	35.7	35.7
Worst Pair	36	36	36	36
PS NEXT (dB)	5.7	5.4	5.7	5.4
Freq. (MHz)	237.0	246.5	237.0	246.5
Limit (dB)	33.1	32.8	33.1	32.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	45-36	36-45
ACR-F (dB)	19.1	19.1	20.6	20.8
Freq. (MHz)	7.5	7.5	246.0	246.0
Limit (dB)	46.7	46.7	16.4	16.4
Worst Pair	45	45	36	36
PS ACR-F (dB)	17.7	17.6	21.6	21.7
Freq. (MHz)	1.1	1.0	240.0	226.0
Limit (dB)	60.2	61.2	13.6	14.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-78	36-45	36-45
ACR-N (dB)	16.4	16.2	27.4	29.8
Freq. (MHz)	3.9	5.8	237.0	246.5
Limit (dB)	60.8	57.4	5.6	4.6
Worst Pair	12	12	36	36
PS ACR-N (dB)	15.3	15.6	28.7	28.9
Freq. (MHz)	4.1	4.5	237.0	246.5
Limit (dB)	58.0	57.3	2.9	2.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	5.9	4.3	5.9	4.3
Freq. (MHz)	209.0	247.0	209.0	247.0
Limit (dB)	10.8	10.1	10.8	10.1

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



Cable ID: 012

Date / Time: 01/09/2023 05:25:27 PM

Headroom 5.9 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

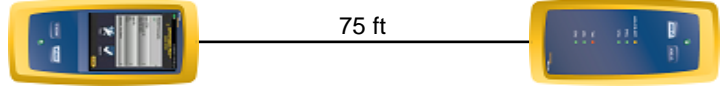
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

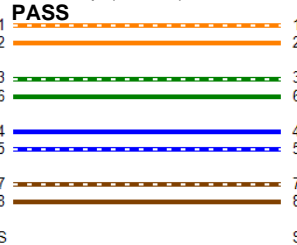
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	75
Prop. Delay (ns), Limit 498	[Pair 78]	117
Delay Skew (ns), Limit 44	[Pair 78]	8
Resistance (ohms)	[Pair 36]	3.83
Insertion Loss Margin (dB)	[Pair 36]	23.3
Frequency (MHz)	[Pair 36]	243.0
Limit (dB)	[Pair 36]	30.6



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	6.6	5.9	6.6	6.3
Freq. (MHz)	231.5	195.0	231.5	244.5
Limit (dB)	35.9	37.1	35.9	35.5
Worst Pair	36	36	36	36
PS NEXT (dB)	7.2	7.1	7.5	7.4
Freq. (MHz)	231.5	195.5	243.5	243.5
Limit (dB)	33.3	34.5	32.9	32.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	78-12	12-78
ACR-F (dB)	15.2	15.2	15.4	15.4
Freq. (MHz)	4.9	4.9	250.0	250.0
Limit (dB)	50.4	50.4	16.2	16.2
Worst Pair	36	45	78	78
PS ACR-F (dB)	16.4	16.3	17.7	17.3
Freq. (MHz)	1.0	1.0	250.0	250.0
Limit (dB)	61.2	61.2	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	12-36	12-36
ACR-N (dB)	16.6	17.0	29.0	29.8
Freq. (MHz)	16.1	16.1	231.0	244.5
Limit (dB)	47.5	47.5	6.2	4.8
Worst Pair	78	78	36	36
PS ACR-N (dB)	15.9	16.0	30.9	30.7
Freq. (MHz)	16.1	15.9	243.5	243.0
Limit (dB)	45.1	45.3	2.3	2.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	36	45
RL (dB)	4.3	2.6	5.8	5.3
Freq. (MHz)	120.0	120.0	236.0	243.5
Limit (dB)	13.2	13.2	10.3	10.1

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



Cable ID: 013

Date / Time: 01/09/2023 05:25:49 PM

Headroom 3.2 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

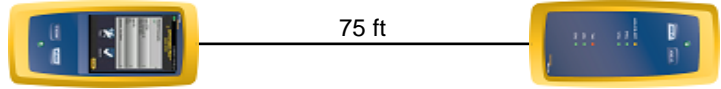
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

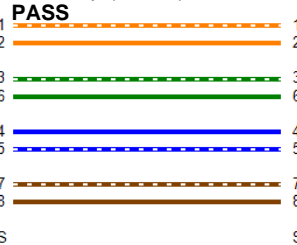
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	75
Prop. Delay (ns), Limit 498	[Pair 78]	116
Delay Skew (ns), Limit 44	[Pair 78]	7
Resistance (ohms)	[Pair 36]	3.79
Insertion Loss Margin (dB)	[Pair 36]	23.9
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	12-78	12-36
NEXT (dB)	5.0	3.2	5.4	3.5
Freq. (MHz)	207.0	214.5	235.5	235.0
Limit (dB)	36.7	36.4	35.8	35.8
Worst Pair	12	36	12	36
PS NEXT (dB)	6.0	4.3	6.0	4.3
Freq. (MHz)	224.5	234.5	224.5	234.5
Limit (dB)	33.5	33.2	33.5	33.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	78-12	12-78
ACR-F (dB)	12.5	12.5	15.0	15.0
Freq. (MHz)	37.8	37.8	250.0	250.0
Limit (dB)	32.7	32.7	16.2	16.2
Worst Pair	12	12	78	78
PS ACR-F (dB)	14.7	14.6	17.5	17.7
Freq. (MHz)	3.3	1.0	250.0	250.0
Limit (dB)	51.0	61.2	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-36	12-78	12-36
ACR-N (dB)	15.5	15.1	28.7	26.3
Freq. (MHz)	38.5	8.6	235.5	235.0
Limit (dB)	37.4	53.7	5.7	5.8
Worst Pair	12	12	12	36
PS ACR-N (dB)	15.4	15.5	28.5	27.1
Freq. (MHz)	9.9	8.6	224.5	234.5
Limit (dB)	50.1	51.4	4.3	3.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	5.7	6.6	6.1	6.6
Freq. (MHz)	191.5	186.0	238.0	186.0
Limit (dB)	11.2	11.3	10.2	11.3

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



Cable ID: 014

Date / Time: 01/09/2023 05:26:16 PM

Headroom 6.3 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

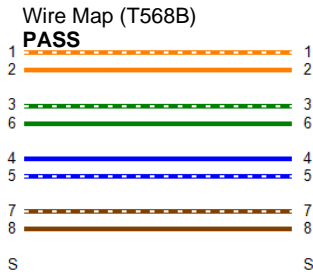
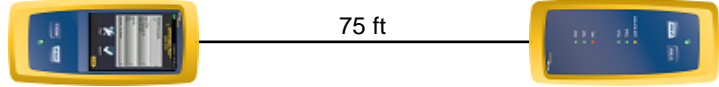
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	75
Prop. Delay (ns), Limit 498	[Pair 78]	116
Delay Skew (ns), Limit 44	[Pair 78]	7
Resistance (ohms)	[Pair 36]	3.79
Insertion Loss Margin (dB)	[Pair 36]	23.7
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	6.3	7.9	6.6	7.9
Freq. (MHz)	199.0	219.0	241.0	219.0
Limit (dB)	37.0	36.3	35.6	36.3
Worst Pair	36	36	36	36
PS NEXT (dB)	7.4	8.6	7.7	8.8
Freq. (MHz)	195.5	196.0	248.0	247.0
Limit (dB)	34.5	34.5	32.8	32.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	78-36	12-36	78-36	36-78
ACR-F (dB)	19.6	19.6	19.6	19.9
Freq. (MHz)	218.5	8.1	218.5	218.5
Limit (dB)	17.4	46.0	17.4	17.4
Worst Pair	36	36	36	36
PS ACR-F (dB)	18.5	18.7	20.4	21.7
Freq. (MHz)	1.3	1.3	218.0	235.0
Limit (dB)	59.3	59.3	14.4	13.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-36	12-36
ACR-N (dB)	16.7	17.4	30.4	29.7
Freq. (MHz)	4.0	4.6	246.0	219.0
Limit (dB)	60.6	59.3	4.6	7.5
Worst Pair	12	12	36	36
PS ACR-N (dB)	16.6	16.5	31.3	32.3
Freq. (MHz)	4.9	4.9	248.0	247.0
Limit (dB)	56.6	56.6	1.8	1.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	45	36	45
RL (dB)	5.1	6.5	5.1	7.0
Freq. (MHz)	250.0	195.5	250.0	248.0
Limit (dB)	10.0	11.1	10.0	10.1

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



Cable ID: 015

Date / Time: 01/09/2023 05:26:40 PM

Headroom 5.3 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

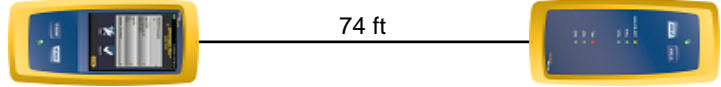
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

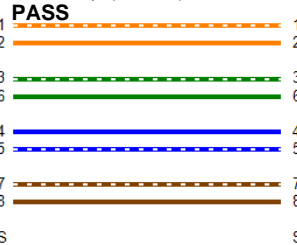
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	74
Prop. Delay (ns), Limit 498	[Pair 78]	115
Delay Skew (ns), Limit 44	[Pair 78]	7
Resistance (ohms)	[Pair 36]	3.79
Insertion Loss Margin (dB)	[Pair 36]	23.9
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	6.5	5.3	6.7	5.3
Freq. (MHz)	192.5	193.0	225.0	193.0
Limit (dB)	37.2	37.2	36.1	37.2
Worst Pair	36	36	36	36
PS NEXT (dB)	6.7	6.4	7.3	6.4
Freq. (MHz)	193.0	193.0	248.5	193.0
Limit (dB)	34.6	34.6	32.7	34.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	78-12
ACR-F (dB)	15.2	15.2	18.2	18.2
Freq. (MHz)	9.4	14.0	250.0	250.0
Limit (dB)	44.8	41.3	16.2	16.2
Worst Pair	12	12	78	78
PS ACR-F (dB)	17.2	17.0	19.8	19.2
Freq. (MHz)	2.4	1.0	243.5	248.5
Limit (dB)	53.7	61.2	13.5	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	16.0	16.2	29.1	25.8
Freq. (MHz)	4.8	4.8	225.0	193.0
Limit (dB)	59.1	59.1	6.8	10.4
Worst Pair	36	36	36	36
PS ACR-N (dB)	16.9	16.5	31.0	31.8
Freq. (MHz)	14.8	14.6	248.5	244.5
Limit (dB)	46.0	46.1	1.8	2.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	45	36
RL (dB)	4.8	4.0	6.4	5.0
Freq. (MHz)	89.3	89.3	239.0	187.5
Limit (dB)	14.5	14.5	10.2	11.3

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



Cable ID: 016

Date / Time: 01/09/2023 05:26:59 PM

Headroom 3.0 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

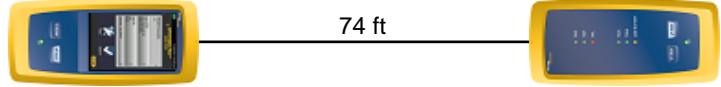
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

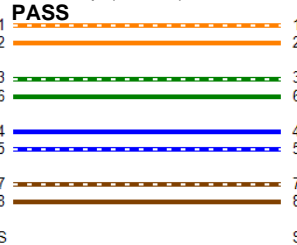
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	74
Prop. Delay (ns), Limit 498	[Pair 78]	115
Delay Skew (ns), Limit 44	[Pair 78]	7
Resistance (ohms)	[Pair 36]	3.83
Insertion Loss Margin (dB)	[Pair 36]	23.2
Frequency (MHz)	[Pair 36]	242.0
Limit (dB)	[Pair 36]	30.5



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	3.0	6.4	3.0	6.4
Freq. (MHz)	244.0	244.5	244.0	244.5
Limit (dB)	35.5	35.5	35.5	35.5
Worst Pair	36	36	36	36
PS NEXT (dB)	4.2	7.4	4.2	7.4
Freq. (MHz)	245.0	245.5	245.0	245.5
Limit (dB)	32.9	32.8	32.9	32.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	45-36	45-36	45-36
ACR-F (dB)	16.7	16.7	17.6	18.5
Freq. (MHz)	5.9	6.0	237.5	249.5
Limit (dB)	48.8	48.6	16.7	16.2
Worst Pair	45	45	36	36
PS ACR-F (dB)	16.7	16.9	19.6	20.3
Freq. (MHz)	1.1	1.6	236.5	244.0
Limit (dB)	60.2	57.0	13.7	13.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	13.5	14.4	26.6	30.0
Freq. (MHz)	20.5	20.4	244.0	244.5
Limit (dB)	44.9	45.0	4.8	4.8
Worst Pair	36	12	36	36
PS ACR-N (dB)	15.5	15.4	27.9	31.0
Freq. (MHz)	20.5	6.5	245.0	245.5
Limit (dB)	42.5	54.0	2.1	2.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	36	45	36
RL (dB)	4.7	4.2	4.7	4.5
Freq. (MHz)	189.0	218.0	189.0	240.0
Limit (dB)	11.2	10.6	11.2	10.2

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



Cable ID: 019

Date / Time: 01/09/2023 05:30:17 PM

Headroom 3.0 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

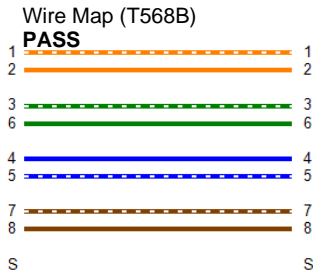
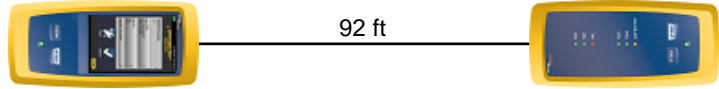
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	92
Prop. Delay (ns), Limit 498	[Pair 78]	143
Delay Skew (ns), Limit 44	[Pair 78]	10
Resistance (ohms)	[Pair 36]	4.58
Insertion Loss Margin (dB)	[Pair 36]	22.4
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	4.8	3.0	4.8	3.0
Freq. (MHz)	240.5	241.0	240.5	241.0
Limit (dB)	35.6	35.6	35.6	35.6
Worst Pair	36	36	36	36
PS NEXT (dB)	6.1	4.6	6.1	4.6
Freq. (MHz)	240.5	240.5	240.5	240.5
Limit (dB)	33.0	33.0	33.0	33.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	12-78
ACR-F (dB)	17.5	17.6	17.7	17.8
Freq. (MHz)	246.5	235.0	250.0	250.0
Limit (dB)	16.4	16.8	16.2	16.2
Worst Pair	78	78	12	12
PS ACR-F (dB)	18.4	19.2	19.5	20.0
Freq. (MHz)	114.0	122.0	250.0	250.0
Limit (dB)	20.1	19.5	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	13.4	13.4	26.5	24.8
Freq. (MHz)	3.8	3.6	240.5	241.0
Limit (dB)	61.1	61.4	5.2	5.1
Worst Pair	36	36	36	36
PS ACR-N (dB)	15.2	15.0	27.8	26.3
Freq. (MHz)	3.9	3.8	240.5	240.5
Limit (dB)	58.5	58.6	2.6	2.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	5.5	4.7	5.5	4.7
Freq. (MHz)	236.0	236.5	236.0	236.5
Limit (dB)	10.3	10.3	10.3	10.3

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



Cable ID: 017

Date / Time: 01/09/2023 05:31:19 PM

Headroom 5.0 dB (NEXT 12-45)

Test Limit: TIA Cat 6 Perm. Link

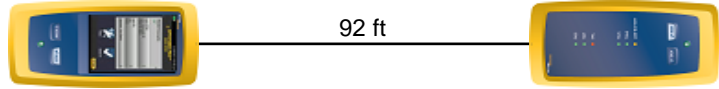
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

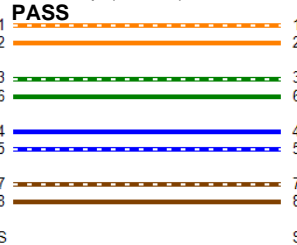
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	92
Prop. Delay (ns), Limit 498	[Pair 78]	143
Delay Skew (ns), Limit 44	[Pair 78]	9
Resistance (ohms)	[Pair 78]	4.55
Insertion Loss Margin (dB)	[Pair 36]	22.3
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-36	12-45	12-36
NEXT (dB)	5.0	5.8	5.0	5.8
Freq. (MHz)	235.5	226.0	235.5	226.0
Limit (dB)	35.8	36.1	35.8	36.1
Worst Pair	12	36	12	36
PS NEXT (dB)	5.4	6.7	5.4	7.2
Freq. (MHz)	236.0	225.0	236.0	247.5
Limit (dB)	33.1	33.5	33.1	32.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	17.9	17.8	20.6	20.3
Freq. (MHz)	8.3	7.5	215.5	215.5
Limit (dB)	45.9	46.7	17.5	17.5
Worst Pair	36	36	12	78
PS ACR-F (dB)	17.8	18.0	21.7	21.7
Freq. (MHz)	1.0	1.0	250.0	236.5
Limit (dB)	61.2	61.2	13.2	13.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-78	12-45	12-36
ACR-N (dB)	14.2	14.8	26.9	26.8
Freq. (MHz)	16.6	5.3	235.5	226.0
Limit (dB)	47.2	58.2	5.7	6.7
Worst Pair	12	12	12	36
PS ACR-N (dB)	15.5	15.7	27.2	29.4
Freq. (MHz)	5.0	5.3	236.0	247.5
Limit (dB)	56.3	55.9	3.0	1.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	5.9	7.1	6.6	7.7
Freq. (MHz)	182.5	159.0	236.5	236.0
Limit (dB)	11.4	12.0	10.3	10.3

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



Cable ID: 018

Date / Time: 01/09/2023 05:32:41 PM

Headroom 4.3 dB (NEXT 45-78)

Test Limit: TIA Cat 6 Perm. Link

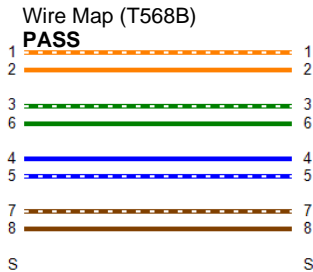
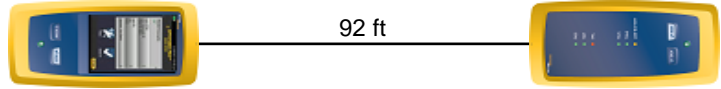
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	92
Prop. Delay (ns), Limit 498	[Pair 78]	143
Delay Skew (ns), Limit 44	[Pair 78]	10
Resistance (ohms)	[Pair 78]	4.62
Insertion Loss Margin (dB)	[Pair 36]	21.9
Frequency (MHz)	[Pair 36]	246.0
Limit (dB)	[Pair 36]	30.8



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	45-78	12-36	12-36
NEXT (dB)	7.0	4.3	7.4	5.0
Freq. (MHz)	192.5	46.3	225.5	235.5
Limit (dB)	37.2	47.2	36.1	35.8
Worst Pair	12	36	45	36
PS NEXT (dB)	7.1	5.7	7.8	5.7
Freq. (MHz)	167.5	236.0	235.5	236.0
Limit (dB)	35.6	33.1	33.1	33.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	16.2	16.2	19.2	18.7
Freq. (MHz)	5.4	5.4	232.5	233.0
Limit (dB)	49.6	49.6	16.9	16.8
Worst Pair	45	45	12	36
PS ACR-F (dB)	16.5	16.5	21.5	20.8
Freq. (MHz)	1.0	1.1	250.0	237.5
Limit (dB)	61.2	60.2	13.2	13.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	12-36	12-36
ACR-N (dB)	12.6	11.1	28.2	26.4
Freq. (MHz)	9.5	9.1	225.5	235.5
Limit (dB)	52.8	53.2	6.8	5.7
Worst Pair	78	78	36	36
PS ACR-N (dB)	14.0	12.6	30.7	27.1
Freq. (MHz)	9.4	8.9	248.0	236.0
Limit (dB)	50.6	51.1	1.8	3.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	45	36	45
RL (dB)	5.6	5.4	6.4	5.5
Freq. (MHz)	125.5	186.5	234.5	231.0
Limit (dB)	13.0	11.3	10.3	10.4

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



Cable ID: 020

Date / Time: 01/09/2023 05:33:13 PM

Headroom 5.3 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

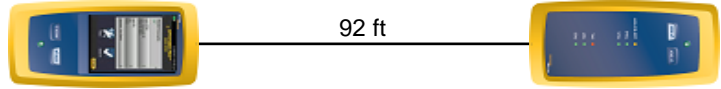
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

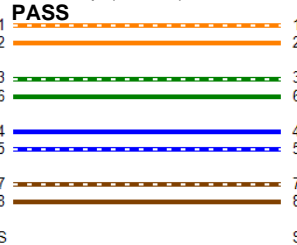
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	92
Prop. Delay (ns), Limit 498	[Pair 78]	142
Delay Skew (ns), Limit 44	[Pair 78]	9
Resistance (ohms)	[Pair 36]	4.54
Insertion Loss Margin (dB)	[Pair 36]	22.4
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	12-36	12-45	12-36
NEXT (dB)	5.9	5.3	7.8	5.3
Freq. (MHz)	133.0	238.0	239.5	238.0
Limit (dB)	39.8	35.7	35.6	35.7
Worst Pair	36	36	45	36
PS NEXT (dB)	7.1	7.2	7.6	7.2
Freq. (MHz)	215.0	238.0	245.0	238.0
Limit (dB)	33.8	33.1	32.9	33.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	36-45	45-36
ACR-F (dB)	15.5	15.5	17.7	17.3
Freq. (MHz)	5.6	5.0	244.0	244.0
Limit (dB)	49.2	50.2	16.4	16.4
Worst Pair	45	45	45	36
PS ACR-F (dB)	16.4	16.3	19.4	19.8
Freq. (MHz)	1.1	1.0	244.5	244.0
Limit (dB)	60.2	61.2	13.4	13.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	12-45	12-36
ACR-N (dB)	13.0	13.5	29.9	26.9
Freq. (MHz)	3.5	3.4	239.5	238.0
Limit (dB)	61.7	61.8	5.3	5.5
Worst Pair	45	45	45	36
PS ACR-N (dB)	14.3	15.2	30.1	28.9
Freq. (MHz)	7.3	18.5	245.0	238.0
Limit (dB)	53.0	43.6	2.1	2.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	45	36	45
RL (dB)	5.2	4.5	5.7	4.6
Freq. (MHz)	171.5	160.0	201.5	164.0
Limit (dB)	11.7	12.0	11.0	11.9

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



Cable ID: 021

Date / Time: 01/09/2023 05:34:01 PM

Headroom 6.1 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

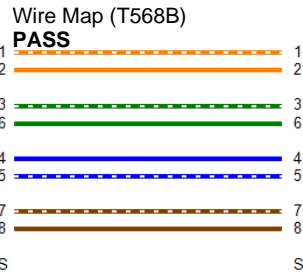
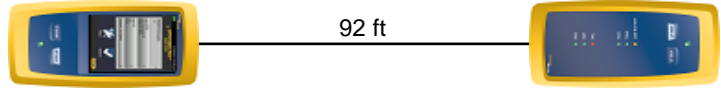
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	92
Prop. Delay (ns), Limit 498	[Pair 78]	143
Delay Skew (ns), Limit 44	[Pair 78]	9
Resistance (ohms)	[Pair 36]	4.58
Insertion Loss Margin (dB)	[Pair 36]	22.3
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	12-36	36-45
NEXT (dB)	6.1	6.8	6.1	6.8
Freq. (MHz)	243.0	246.0	243.0	246.0
Limit (dB)	35.5	35.5	35.5	35.5
Worst Pair	36	36	36	36
PS NEXT (dB)	6.3	7.6	6.3	7.6
Freq. (MHz)	246.5	246.5	246.5	246.5
Limit (dB)	32.8	32.8	32.8	32.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	78-12	12-78	78-12	12-78
ACR-F (dB)	15.7	15.7	18.2	18.1
Freq. (MHz)	5.5	5.5	250.0	249.0
Limit (dB)	49.4	49.4	16.2	16.3
Worst Pair	45	78	78	78
PS ACR-F (dB)	16.6	16.8	18.9	19.2
Freq. (MHz)	1.3	1.5	241.0	244.5
Limit (dB)	59.3	57.7	13.5	13.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	36-45
ACR-N (dB)	14.7	16.2	28.0	29.3
Freq. (MHz)	18.0	17.9	243.0	246.0
Limit (dB)	46.3	46.4	4.9	4.6
Worst Pair	12	36	36	36
PS ACR-N (dB)	15.2	16.9	28.3	29.6
Freq. (MHz)	18.8	8.0	246.5	246.5
Limit (dB)	43.5	52.1	2.0	2.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	36	36	36
RL (dB)	5.7	6.5	6.8	6.7
Freq. (MHz)	159.0	178.0	230.5	205.0
Limit (dB)	12.0	11.5	10.4	10.9

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



Cable ID: 022

Date / Time: 01/09/2023 05:34:15 PM

Headroom 3.5 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

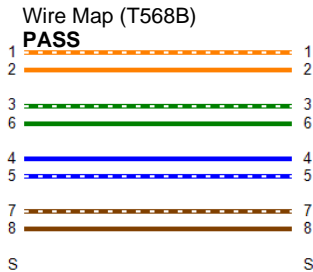
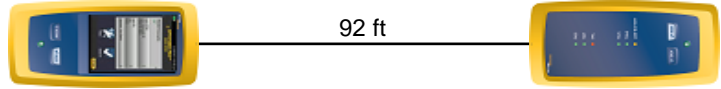
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	92
Prop. Delay (ns), Limit 498	[Pair 78]	143
Delay Skew (ns), Limit 44	[Pair 78]	9
Resistance (ohms)	[Pair 78]	4.59
Insertion Loss Margin (dB)	[Pair 36]	22.1
Frequency (MHz)	[Pair 36]	248.5
Limit (dB)	[Pair 36]	31.0



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	3.5	5.6	3.5	5.8
Freq. (MHz)	243.5	244.0	243.5	250.0
Limit (dB)	35.5	35.5	35.5	35.3
Worst Pair	36	36	36	36
PS NEXT (dB)	4.6	7.0	4.6	7.0
Freq. (MHz)	243.5	250.0	243.5	250.0
Limit (dB)	32.9	32.7	32.9	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	12-78
ACR-F (dB)	19.8	19.8	23.4	22.9
Freq. (MHz)	24.9	23.8	247.0	235.5
Limit (dB)	36.3	36.7	16.3	16.7
Worst Pair	78	78	78	78
PS ACR-F (dB)	20.6	20.9	23.4	22.6
Freq. (MHz)	1.1	1.3	246.5	222.5
Limit (dB)	60.2	59.3	13.4	14.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	11.3	11.7	25.3	28.1
Freq. (MHz)	7.5	7.5	243.5	250.0
Limit (dB)	55.0	55.0	4.9	4.2
Worst Pair	12	12	36	36
PS ACR-N (dB)	12.9	13.4	26.4	29.3
Freq. (MHz)	7.5	7.6	243.5	250.0
Limit (dB)	52.7	52.5	2.3	1.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	2.6	5.6	4.8	6.6
Freq. (MHz)	137.0	73.0	250.0	227.0
Limit (dB)	12.6	15.4	10.0	10.4

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



Cable ID: 023

Date / Time: 01/09/2023 05:34:41 PM

Headroom 4.8 dB (NEXT 36-45)

Test Limit: TIA Cat 6 Perm. Link

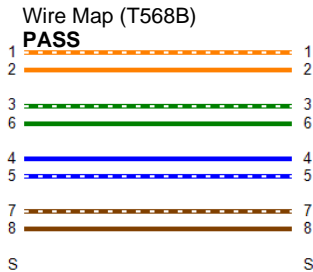
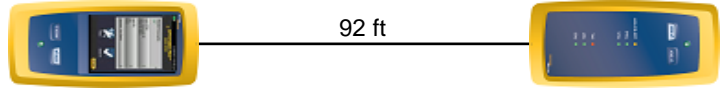
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	92
Prop. Delay (ns), Limit 498	[Pair 78]	143
Delay Skew (ns), Limit 44	[Pair 78]	9
Resistance (ohms)	[Pair 78]	4.55
Insertion Loss Margin (dB)	[Pair 36]	22.3
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	12-36
NEXT (dB)	4.8	5.7	4.8	5.9
Freq. (MHz)	243.5	243.0	243.5	250.0
Limit (dB)	35.5	35.5	35.5	35.3
Worst Pair	45	36	45	36
PS NEXT (dB)	6.6	5.7	6.6	5.8
Freq. (MHz)	243.5	232.0	243.5	243.0
Limit (dB)	32.9	33.2	32.9	32.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	45-36	45-36	45-36
ACR-F (dB)	16.8	16.8	18.0	18.7
Freq. (MHz)	5.8	5.8	234.0	247.0
Limit (dB)	49.0	49.0	16.8	16.3
Worst Pair	36	36	45	45
PS ACR-F (dB)	17.5	17.1	19.7	19.3
Freq. (MHz)	1.1	1.0	247.0	234.5
Limit (dB)	60.2	61.2	13.3	13.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-78	36-45	12-36
ACR-N (dB)	16.8	15.6	27.0	28.2
Freq. (MHz)	5.4	11.6	243.5	250.0
Limit (dB)	58.0	50.8	4.9	4.2
Worst Pair	78	78	36	36
PS ACR-N (dB)	17.4	16.1	28.6	27.7
Freq. (MHz)	11.3	11.6	243.5	243.0
Limit (dB)	48.8	48.5	2.3	2.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	4.9	6.3	4.9	7.3
Freq. (MHz)	250.0	159.0	250.0	250.0
Limit (dB)	10.0	12.0	10.0	10.0

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



Cable ID: 024

Date / Time: 01/09/2023 05:34:58 PM

Headroom 2.8 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

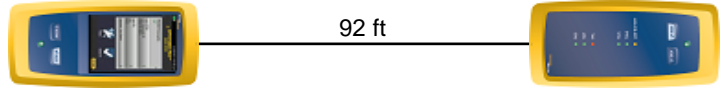
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

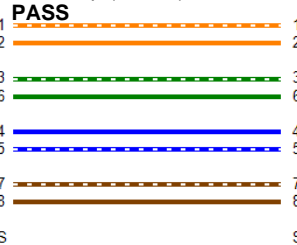
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	92
Prop. Delay (ns), Limit 498	[Pair 78]	143
Delay Skew (ns), Limit 44	[Pair 78]	9
Resistance (ohms)	[Pair 78]	4.59
Insertion Loss Margin (dB)	[Pair 36]	22.3
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	12-36	36-45
NEXT (dB)	2.8	5.1	2.8	5.1
Freq. (MHz)	221.0	249.0	221.0	249.0
Limit (dB)	36.2	35.4	36.2	35.4
Worst Pair	12	36	12	36
PS NEXT (dB)	3.4	5.5	3.5	5.5
Freq. (MHz)	198.5	250.0	221.5	250.0
Limit (dB)	34.4	32.7	33.6	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	78-12
ACR-F (dB)	13.8	13.8	17.8	18.1
Freq. (MHz)	14.5	14.6	240.0	244.0
Limit (dB)	41.0	40.9	16.6	16.4
Worst Pair	78	78	78	12
PS ACR-F (dB)	15.6	15.7	19.3	20.5
Freq. (MHz)	1.3	2.1	239.5	244.0
Limit (dB)	59.3	54.6	13.6	13.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	36-45
ACR-N (dB)	12.2	13.3	26.2	27.6
Freq. (MHz)	10.6	10.6	249.5	249.0
Limit (dB)	51.7	51.7	4.3	4.3
Worst Pair	12	12	12	36
PS ACR-N (dB)	12.4	13.3	27.2	27.8
Freq. (MHz)	10.8	10.6	249.0	250.0
Limit (dB)	49.2	49.3	1.7	1.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	4.8	3.5	5.7	5.2
Freq. (MHz)	150.5	101.0	218.5	230.0
Limit (dB)	12.2	14.0	10.6	10.4

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



Cable ID: 025

Date / Time: 01/09/2023 05:35:58 PM

Headroom 5.8 dB (NEXT 36-45)

Test Limit: TIA Cat 6 Perm. Link

Cable Type: DataTwist 2412, 24 CMR/NH

NVP: 70.0%

Operator: Lynch Networks

Software Version: V6.8 Build 6

Limits Version: V6.2

Calibration Start Date:

Main (Module): 09/30/2022

Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000

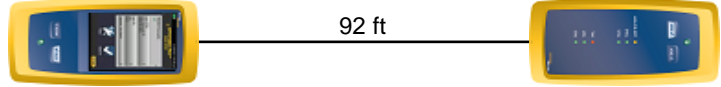
Main S/N: 3788256

Remote S/N: 3587215

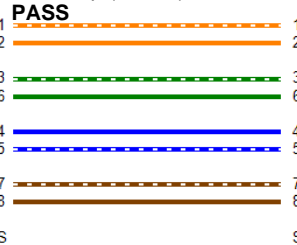
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	92
Prop. Delay (ns), Limit 498	[Pair 78]	142
Delay Skew (ns), Limit 44	[Pair 78]	9
Resistance (ohms)	[Pair 78]	4.51
Insertion Loss Margin (dB)	[Pair 36]	21.7
Frequency (MHz)	[Pair 36]	242.0
Limit (dB)	[Pair 36]	30.5



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	36-45	12-45	36-45
NEXT (dB)	6.6	5.8	7.0	5.8
Freq. (MHz)	174.0	232.5	233.5	232.5
Limit (dB)	37.9	35.9	35.8	35.9
Worst Pair	45	45	45	45
PS NEXT (dB)	6.3	7.7	6.3	7.7
Freq. (MHz)	233.0	232.5	233.0	232.5
Limit (dB)	33.2	33.2	33.2	33.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	15.7	15.7	18.8	18.5
Freq. (MHz)	5.3	5.3	247.0	247.0
Limit (dB)	49.8	49.8	16.3	16.3
Worst Pair	36	36	45	36
PS ACR-F (dB)	16.1	16.1	20.8	21.2
Freq. (MHz)	1.0	1.1	247.5	247.5
Limit (dB)	61.2	60.2	13.3	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	45-78	12-45	36-45
ACR-N (dB)	14.8	15.6	28.7	27.5
Freq. (MHz)	9.6	6.5	233.5	232.5
Limit (dB)	52.7	56.3	5.9	6.0
Worst Pair	45	45	45	45
PS ACR-N (dB)	15.7	16.1	27.9	29.3
Freq. (MHz)	6.5	6.5	233.0	232.5
Limit (dB)	54.0	54.0	3.4	3.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	5.0	4.6	5.6	4.6
Freq. (MHz)	182.5	241.5	237.0	241.5
Limit (dB)	11.4	10.2	10.3	10.2

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	



Cable ID: 026

Date / Time: 01/09/2023 05:37:51 PM

Headroom 1.6 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

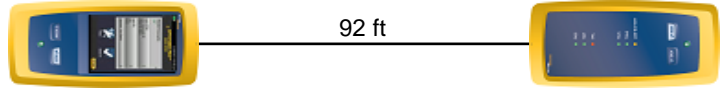
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

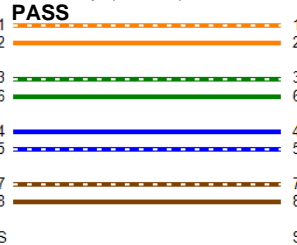
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	92
Prop. Delay (ns), Limit 498	[Pair 78]	143
Delay Skew (ns), Limit 44	[Pair 78]	9
Resistance (ohms)	[Pair 36]	4.62
Insertion Loss Margin (dB)	[Pair 36]	22.3
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-45	12-36
NEXT (dB)	6.1	1.6	6.1	1.8
Freq. (MHz)	235.5	228.5	235.5	240.5
Limit (dB)	35.8	36.0	35.8	35.6
Worst Pair	36	36	36	36
PS NEXT (dB)	7.8	3.5	7.9	3.6
Freq. (MHz)	200.5	228.5	235.5	240.0
Limit (dB)	34.3	33.4	33.1	33.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	45-36
ACR-F (dB)	16.4	16.5	19.0	18.8
Freq. (MHz)	5.6	5.9	241.0	234.5
Limit (dB)	49.2	48.8	16.5	16.8
Worst Pair	36	36	36	36
PS ACR-F (dB)	16.7	16.9	20.7	20.7
Freq. (MHz)	1.0	1.3	241.0	249.0
Limit (dB)	61.2	59.3	13.5	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-36
ACR-N (dB)	12.6	11.7	28.0	23.5
Freq. (MHz)	12.6	12.8	235.5	240.5
Limit (dB)	50.0	49.9	5.7	5.2
Worst Pair	36	36	36	36
PS ACR-N (dB)	14.4	13.6	29.2	25.3
Freq. (MHz)	12.6	12.8	235.5	240.0
Limit (dB)	47.6	47.5	3.1	2.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	45	36	45
RL (dB)	6.8	6.9	7.0	8.2
Freq. (MHz)	163.0	137.0	238.0	244.5
Limit (dB)	11.9	12.6	10.2	10.1

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



Cable ID: 027

Date / Time: 01/09/2023 05:38:25 PM

Headroom 3.4 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

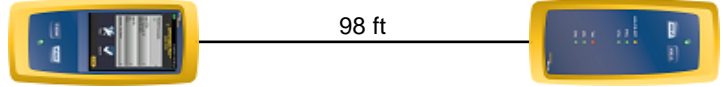
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

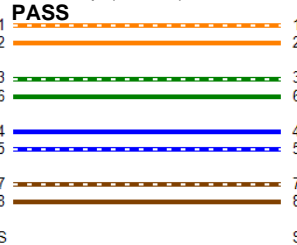
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	98
Prop. Delay (ns), Limit 498	[Pair 78]	152
Delay Skew (ns), Limit 44	[Pair 78]	9
Resistance (ohms)	[Pair 36]	4.87
Insertion Loss Margin (dB)	[Pair 36]	21.8
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-36	36-78	12-36
NEXT (dB)	5.9	3.4	6.0	3.4
Freq. (MHz)	242.5	249.5	243.0	249.5
Limit (dB)	35.6	35.4	35.5	35.4
Worst Pair	36	36	36	36
PS NEXT (dB)	5.4	4.7	5.4	4.7
Freq. (MHz)	243.0	242.5	243.0	242.5
Limit (dB)	32.9	32.9	32.9	32.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
ACR-F (dB)	15.2	15.2	18.7	19.1
Freq. (MHz)	4.8	4.8	245.0	245.0
Limit (dB)	50.7	50.7	16.4	16.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	15.6	15.7	20.1	21.0
Freq. (MHz)	1.3	1.6	211.0	245.0
Limit (dB)	59.3	57.0	14.7	13.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-36	36-78	12-36
ACR-N (dB)	15.9	15.5	27.6	25.2
Freq. (MHz)	4.9	13.9	243.0	249.5
Limit (dB)	58.9	49.0	4.9	4.3
Worst Pair	12	12	36	36
PS ACR-N (dB)	17.6	16.6	26.8	26.0
Freq. (MHz)	13.9	6.8	243.0	242.5
Limit (dB)	46.7	53.6	2.3	2.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	45	36	45
RL (dB)	5.1	7.7	5.1	7.8
Freq. (MHz)	227.0	220.5	227.0	238.0
Limit (dB)	10.4	10.6	10.4	10.2

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



Cable ID: 028

Date / Time: 01/09/2023 05:42:00 PM

Headroom 6.0 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

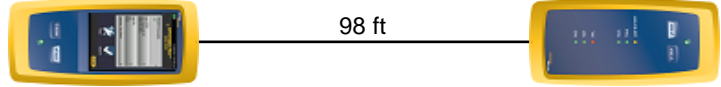
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

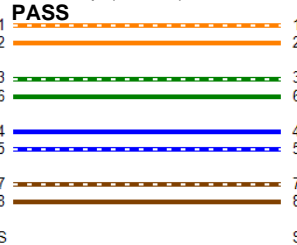
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	98
Prop. Delay (ns), Limit 498	[Pair 78]	153
Delay Skew (ns), Limit 44	[Pair 78]	10
Resistance (ohms)	[Pair 78]	4.87
Insertion Loss Margin (dB)	[Pair 36]	21.7
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	12-36	36-45
NEXT (dB)	6.0	6.4	6.0	6.4
Freq. (MHz)	231.0	241.0	231.0	241.0
Limit (dB)	35.9	35.6	35.9	35.6
Worst Pair	36	36	36	36
PS NEXT (dB)	5.9	7.1	5.9	7.2
Freq. (MHz)	246.5	241.5	246.5	245.0
Limit (dB)	32.8	33.0	32.8	32.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-12	12-36	12-36	36-12
ACR-F (dB)	20.4	20.4	21.2	21.5
Freq. (MHz)	10.8	10.8	247.5	247.5
Limit (dB)	43.6	43.6	16.3	16.3
Worst Pair	36	36	36	36
PS ACR-F (dB)	19.2	19.3	22.0	21.5
Freq. (MHz)	1.0	1.1	248.0	247.0
Limit (dB)	61.2	60.2	13.3	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-36	36-45
ACR-N (dB)	14.7	14.6	26.7	28.1
Freq. (MHz)	17.1	17.0	231.0	241.0
Limit (dB)	46.8	46.9	6.2	5.1
Worst Pair	12	45	36	36
PS ACR-N (dB)	15.5	15.5	27.3	28.7
Freq. (MHz)	9.9	17.3	246.5	245.0
Limit (dB)	50.1	44.4	2.0	2.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	4.7	7.7	4.7	8.9
Freq. (MHz)	166.0	166.5	166.0	236.5
Limit (dB)	11.8	11.8	11.8	10.3

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



Cable ID: 029

Date / Time: 01/09/2023 05:42:33 PM

Headroom 4.8 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

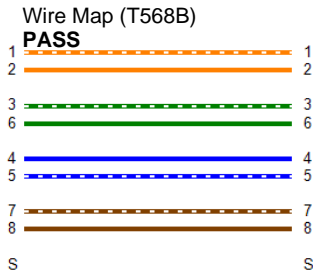
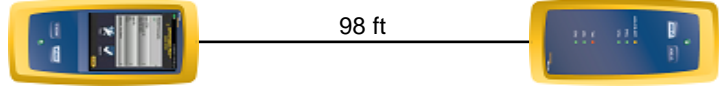
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	98
Prop. Delay (ns), Limit 498	[Pair 78]	152
Delay Skew (ns), Limit 44	[Pair 78]	9
Resistance (ohms)	[Pair 36]	4.87
Insertion Loss Margin (dB)	[Pair 36]	21.3
Frequency (MHz)	[Pair 36]	244.5
Limit (dB)	[Pair 36]	30.7



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-36
NEXT (dB)	4.8	5.5	5.2	5.6
Freq. (MHz)	232.5	242.5	248.5	243.0
Limit (dB)	35.9	35.6	35.4	35.5
Worst Pair	36	36	36	36
PS NEXT (dB)	4.9	5.8	5.0	5.8
Freq. (MHz)	245.0	249.5	245.5	249.5
Limit (dB)	32.9	32.7	32.8	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
ACR-F (dB)	15.2	15.2	17.8	18.1
Freq. (MHz)	4.8	4.8	246.0	246.0
Limit (dB)	50.7	50.7	16.4	16.4
Worst Pair	45	45	36	36
PS ACR-F (dB)	16.2	16.2	19.3	19.4
Freq. (MHz)	1.0	1.3	249.0	248.5
Limit (dB)	61.2	59.3	13.3	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	12.0	13.1	25.5	26.9
Freq. (MHz)	17.5	7.1	232.5	243.0
Limit (dB)	46.6	55.5	6.0	4.9
Worst Pair	36	36	36	36
PS ACR-N (dB)	13.0	13.4	26.4	27.5
Freq. (MHz)	7.1	6.9	245.5	249.5
Limit (dB)	53.1	53.5	2.1	1.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	4.2	6.6	4.2	6.8
Freq. (MHz)	210.0	174.5	210.0	210.0
Limit (dB)	10.8	11.6	10.8	10.8

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



Cable ID: 030

Date / Time: 01/09/2023 05:42:50 PM

Headroom 3.4 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

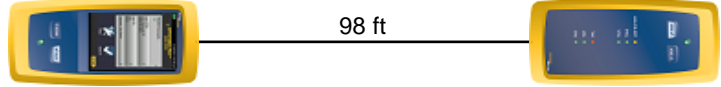
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

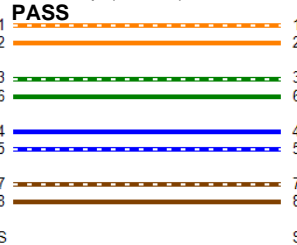
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	98
Prop. Delay (ns), Limit 498	[Pair 78]	152
Delay Skew (ns), Limit 44	[Pair 78]	9
Resistance (ohms)	[Pair 36]	4.87
Insertion Loss Margin (dB)	[Pair 36]	21.6
Frequency (MHz)	[Pair 36]	249.0
Limit (dB)	[Pair 36]	31.0



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	5.5	3.4	5.5	3.9
Freq. (MHz)	221.5	197.0	221.5	221.5
Limit (dB)	36.2	37.0	36.2	36.2
Worst Pair	36	36	36	36
PS NEXT (dB)	6.8	4.7	6.9	4.7
Freq. (MHz)	222.0	245.5	228.5	245.5
Limit (dB)	33.6	32.8	33.4	32.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	45-36	12-78	78-12
ACR-F (dB)	17.8	17.8	20.6	20.6
Freq. (MHz)	7.9	7.5	250.0	250.0
Limit (dB)	46.3	46.7	16.2	16.2
Worst Pair	45	45	12	12
PS ACR-F (dB)	17.1	17.1	21.2	21.0
Freq. (MHz)	1.1	1.1	250.0	250.0
Limit (dB)	60.2	60.2	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	11.3	10.9	25.7	26.4
Freq. (MHz)	6.9	6.9	222.0	245.5
Limit (dB)	55.8	55.8	7.1	4.7
Worst Pair	36	36	36	36
PS ACR-N (dB)	13.1	12.6	28.1	26.1
Freq. (MHz)	7.0	6.9	235.5	245.5
Limit (dB)	53.3	53.5	3.1	2.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	36
RL (dB)	6.2	6.0	6.2	7.4
Freq. (MHz)	206.5	59.3	206.5	237.5
Limit (dB)	10.9	16.3	10.9	10.2

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



Cable ID: 031

Date / Time: 01/09/2023 05:43:06 PM

Headroom 3.7 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks

Software Version: V6.8 Build 6

Limits Version: V6.2

Calibration Start Date:

Main (Module): 09/30/2022

Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000

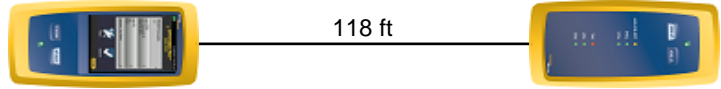
Main S/N: 3788256

Remote S/N: 3587215

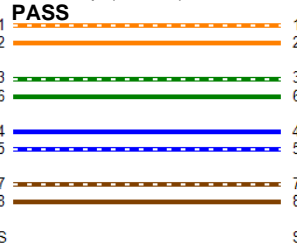
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	118
Prop. Delay (ns), Limit 498	[Pair 78]	182
Delay Skew (ns), Limit 44	[Pair 78]	11
Resistance (ohms)	[Pair 36]	5.80
Insertion Loss Margin (dB)	[Pair 36]	19.8
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	3.7	4.8	3.7	4.9
Freq. (MHz)	248.0	184.5	248.0	216.5
Limit (dB)	35.4	37.5	35.4	36.4
Worst Pair	36	12	36	36
PS NEXT (dB)	3.8	5.3	3.8	5.3
Freq. (MHz)	248.0	184.5	248.0	216.5
Limit (dB)	32.8	34.9	32.8	33.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	36-45	45-36
ACR-F (dB)	17.0	17.1	19.0	18.4
Freq. (MHz)	6.3	6.6	238.0	238.0
Limit (dB)	48.3	47.8	16.7	16.7
Worst Pair	36	36	36	36
PS ACR-F (dB)	16.9	16.6	20.3	19.2
Freq. (MHz)	1.0	1.0	242.0	246.5
Limit (dB)	61.2	61.2	13.5	13.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	12.2	12.9	23.5	26.3
Freq. (MHz)	8.6	8.6	248.0	250.0
Limit (dB)	53.7	53.7	4.4	4.2
Worst Pair	12	12	36	36
PS ACR-N (dB)	12.7	13.2	23.8	23.7
Freq. (MHz)	8.6	8.5	250.0	216.5
Limit (dB)	51.4	51.5	1.6	5.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	5.1	4.4	5.1	4.4
Freq. (MHz)	223.0	216.0	223.0	216.0
Limit (dB)	10.5	10.7	10.5	10.7

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	



Cable ID: 032

Date / Time: 01/09/2023 05:43:40 PM

Headroom 7.0 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

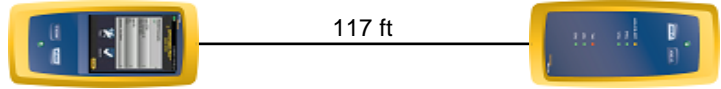
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

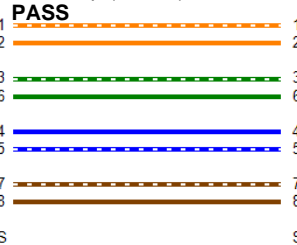
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	117
Prop. Delay (ns), Limit 498	[Pair 78]	182
Delay Skew (ns), Limit 44	[Pair 78]	12
Resistance (ohms)	[Pair 78]	5.70
Insertion Loss Margin (dB)	[Pair 36]	19.9
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-36
NEXT (dB)	7.7	7.0	7.9	7.0
Freq. (MHz)	229.0	248.5	238.0	248.5
Limit (dB)	36.0	35.4	35.7	35.4
Worst Pair	36	36	36	36
PS NEXT (dB)	7.4	7.9	7.4	8.0
Freq. (MHz)	245.5	171.0	245.5	248.0
Limit (dB)	32.8	35.5	32.8	32.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	78-12	12-78
ACR-F (dB)	19.6	19.6	23.7	23.7
Freq. (MHz)	9.3	10.3	250.0	250.0
Limit (dB)	44.9	44.0	16.2	16.2
Worst Pair	36	36	78	78
PS ACR-F (dB)	17.5	17.5	23.8	22.9
Freq. (MHz)	1.3	1.0	246.0	248.0
Limit (dB)	59.3	61.2	13.4	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	16.4	16.1	28.2	26.9
Freq. (MHz)	34.3	34.3	246.0	248.5
Limit (dB)	38.9	38.9	4.6	4.4
Worst Pair	12	36	36	36
PS ACR-N (dB)	16.6	15.9	27.2	27.9
Freq. (MHz)	11.3	11.5	246.0	248.0
Limit (dB)	48.8	48.6	2.0	1.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	36	45	36
RL (dB)	5.6	5.6	5.6	5.6
Freq. (MHz)	225.5	181.5	225.5	181.5
Limit (dB)	10.5	11.4	10.5	11.4

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



Cable ID: 033

Date / Time: 01/09/2023 05:44:09 PM

Headroom 5.9 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

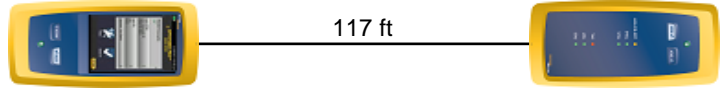
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

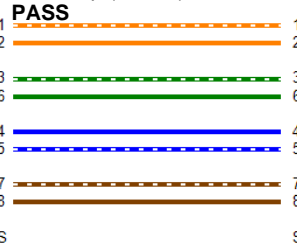
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	117
Prop. Delay (ns), Limit 498	[Pair 78]	182
Delay Skew (ns), Limit 44	[Pair 78]	12
Resistance (ohms)	[Pair 36]	5.69
Insertion Loss Margin (dB)	[Pair 36]	20.0
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-45	12-36
NEXT (dB)	6.8	5.9	6.8	5.9
Freq. (MHz)	247.0	249.5	247.0	249.5
Limit (dB)	35.4	35.4	35.4	35.4
Worst Pair	36	36	36	36
PS NEXT (dB)	7.4	6.4	7.4	6.4
Freq. (MHz)	249.5	250.0	249.5	250.0
Limit (dB)	32.7	32.7	32.7	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	36-45	45-36
ACR-F (dB)	16.9	17.0	19.9	19.4
Freq. (MHz)	6.3	6.6	240.0	240.0
Limit (dB)	48.3	47.8	16.6	16.6
Worst Pair	45	45	45	45
PS ACR-F (dB)	16.4	16.3	20.5	21.1
Freq. (MHz)	1.1	1.1	248.0	250.0
Limit (dB)	60.2	60.2	13.3	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-36	36-45	12-36
ACR-N (dB)	17.5	17.0	27.1	25.9
Freq. (MHz)	5.8	14.4	247.0	249.5
Limit (dB)	57.4	48.7	4.5	4.3
Worst Pair	78	12	36	36
PS ACR-N (dB)	16.9	17.3	27.3	26.4
Freq. (MHz)	5.8	7.3	249.5	250.0
Limit (dB)	55.1	53.0	1.7	1.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	36	45
RL (dB)	7.2	6.1	9.8	6.1
Freq. (MHz)	110.5	228.0	240.0	228.0
Limit (dB)	13.6	10.4	10.2	10.4

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



Cable ID: 034

Date / Time: 01/09/2023 05:44:27 PM

Headroom 4.1 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

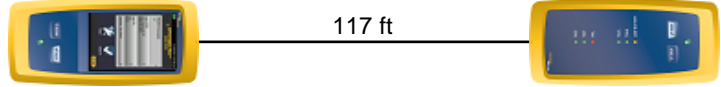
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

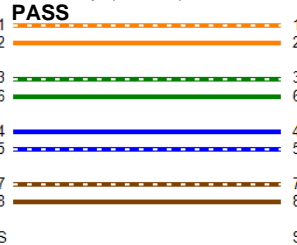
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	117
Prop. Delay (ns), Limit 498	[Pair 78]	181
Delay Skew (ns), Limit 44	[Pair 78]	11
Resistance (ohms)	[Pair 36]	5.69
Insertion Loss Margin (dB)	[Pair 36]	20.0
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-45	12-36
NEXT (dB)	4.4	4.1	4.4	4.1
Freq. (MHz)	239.0	249.5	239.0	249.5
Limit (dB)	35.7	35.4	35.7	35.4
Worst Pair	36	36	36	36
PS NEXT (dB)	6.1	4.4	6.1	4.9
Freq. (MHz)	239.0	218.0	239.0	249.5
Limit (dB)	33.0	33.7	33.0	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	14.8	14.7	17.7	17.2
Freq. (MHz)	4.8	4.8	230.0	230.0
Limit (dB)	50.7	50.7	17.0	17.0
Worst Pair	45	45	45	36
PS ACR-F (dB)	16.1	16.1	19.6	20.2
Freq. (MHz)	1.0	1.0	230.0	230.5
Limit (dB)	61.2	61.2	14.0	13.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-45	12-36
ACR-N (dB)	13.3	13.0	24.3	24.1
Freq. (MHz)	7.0	6.9	239.0	249.5
Limit (dB)	55.6	55.8	5.4	4.3
Worst Pair	78	36	36	36
PS ACR-N (dB)	13.9	13.2	25.4	24.8
Freq. (MHz)	18.6	16.0	239.0	249.5
Limit (dB)	43.5	45.2	2.7	1.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	7.1	5.9	7.5	7.2
Freq. (MHz)	73.8	73.8	250.0	206.5
Limit (dB)	15.3	15.3	10.0	10.9

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



Cable ID: 035

Date / Time: 01/09/2023 05:44:47 PM

Headroom 3.4 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

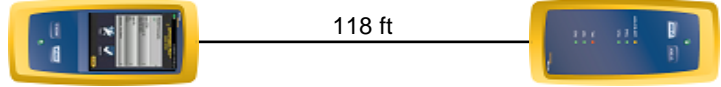
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

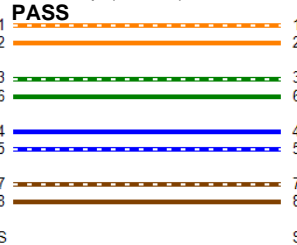
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	118
Prop. Delay (ns), Limit 498	[Pair 78]	183
Delay Skew (ns), Limit 44	[Pair 78]	12
Resistance (ohms)	[Pair 78]	5.73
Insertion Loss Margin (dB)	[Pair 36]	19.9
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	3.4	4.2	3.8	5.6
Freq. (MHz)	226.0	199.0	239.5	245.5
Limit (dB)	36.1	37.0	35.6	35.5
Worst Pair	36	36	36	36
PS NEXT (dB)	4.3	5.9	4.3	6.2
Freq. (MHz)	237.0	199.0	237.0	236.5
Limit (dB)	33.1	34.4	33.1	33.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-36	36-12
ACR-F (dB)	17.5	17.5	19.7	19.7
Freq. (MHz)	6.6	6.6	243.0	240.0
Limit (dB)	47.8	47.8	16.5	16.6
Worst Pair	45	45	36	36
PS ACR-F (dB)	16.8	17.1	19.4	20.1
Freq. (MHz)	1.0	1.1	240.0	236.0
Limit (dB)	61.2	60.2	13.6	13.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	11.2	12.1	23.2	25.4
Freq. (MHz)	8.4	8.4	239.5	245.5
Limit (dB)	54.0	54.0	5.3	4.7
Worst Pair	36	36	36	36
PS ACR-N (dB)	12.4	13.6	24.5	26.4
Freq. (MHz)	8.8	9.0	245.5	245.5
Limit (dB)	51.2	51.0	2.1	2.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	5.2	4.1	5.2	4.1
Freq. (MHz)	249.0	204.5	249.0	204.5
Limit (dB)	10.0	10.9	10.0	10.9

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



Cable ID: 036

Date / Time: 01/09/2023 05:49:24 PM

Headroom 5.3 dB (NEXT 36-78)

Test Limit: TIA Cat 6 Perm. Link

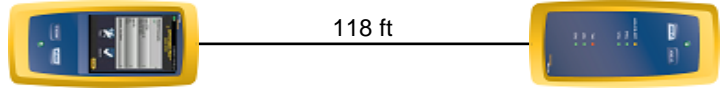
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

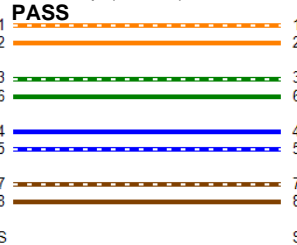
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	118
Prop. Delay (ns), Limit 498	[Pair 78]	183
Delay Skew (ns), Limit 44	[Pair 78]	12
Resistance (ohms)	[Pair 36]	5.73
Insertion Loss Margin (dB)	[Pair 36]	19.9
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-36	36-78	12-36
NEXT (dB)	5.3	6.3	5.3	6.5
Freq. (MHz)	249.5	215.5	249.5	242.0
Limit (dB)	35.4	36.4	35.4	35.6
Worst Pair	36	36	36	36
PS NEXT (dB)	5.4	7.6	5.5	8.3
Freq. (MHz)	248.0	225.0	250.0	249.0
Limit (dB)	32.8	33.5	32.7	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	12-36	12-36
ACR-F (dB)	16.0	16.0	19.3	19.4
Freq. (MHz)	6.6	6.6	236.5	245.0
Limit (dB)	47.8	47.8	16.7	16.4
Worst Pair	45	36	36	36
PS ACR-F (dB)	16.3	16.3	19.8	19.5
Freq. (MHz)	1.0	1.0	249.0	246.0
Limit (dB)	61.2	61.2	13.3	13.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-78	36-78	12-36
ACR-N (dB)	15.5	16.1	25.5	26.2
Freq. (MHz)	34.3	14.3	249.5	242.0
Limit (dB)	38.9	48.8	4.3	5.0
Worst Pair	36	36	36	36
PS ACR-N (dB)	14.9	15.8	25.4	28.1
Freq. (MHz)	9.0	8.8	250.0	249.0
Limit (dB)	51.0	51.2	1.6	1.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	6.1	5.3	6.1	6.1
Freq. (MHz)	177.5	142.0	177.5	241.0
Limit (dB)	11.5	12.5	11.5	10.2

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



Cable ID: 037

Date / Time: 01/09/2023 05:49:42 PM

Headroom 2.8 dB (NEXT 12-45)

Test Limit: TIA Cat 6 Perm. Link

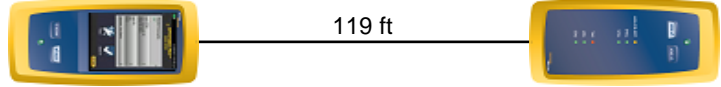
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

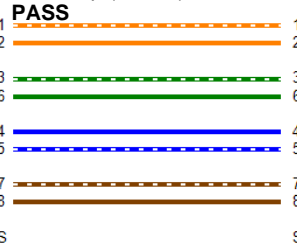
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	119
Prop. Delay (ns), Limit 498	[Pair 78]	184
Delay Skew (ns), Limit 44	[Pair 78]	11
Resistance (ohms)	[Pair 78]	5.84
Insertion Loss Margin (dB)	[Pair 36]	19.8
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-36	12-45	12-36
NEXT (dB)	2.8	7.3	3.7	7.8
Freq. (MHz)	175.5	171.5	245.0	228.5
Limit (dB)	37.9	38.0	35.5	36.0
Worst Pair	12	12	45	36
PS NEXT (dB)	4.3	8.0	4.4	8.9
Freq. (MHz)	175.5	171.0	246.5	240.5
Limit (dB)	35.3	35.5	32.8	33.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-12	12-36	78-45	45-78
ACR-F (dB)	20.6	20.6	22.1	21.8
Freq. (MHz)	120.5	131.5	249.0	249.0
Limit (dB)	22.6	21.8	16.3	16.3
Worst Pair	36	36	78	78
PS ACR-F (dB)	19.8	19.7	23.2	22.5
Freq. (MHz)	1.1	1.0	243.0	250.0
Limit (dB)	60.2	61.2	13.5	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-36
ACR-N (dB)	11.7	13.3	23.6	26.6
Freq. (MHz)	7.4	7.1	245.0	228.5
Limit (dB)	55.2	55.5	4.7	6.5
Worst Pair	12	45	45	36
PS ACR-N (dB)	12.9	14.3	24.3	28.2
Freq. (MHz)	17.1	4.5	246.5	240.5
Limit (dB)	44.5	57.3	2.0	2.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	45	36	45
RL (dB)	4.4	2.7	4.4	3.2
Freq. (MHz)	239.0	185.0	239.0	217.5
Limit (dB)	10.2	11.3	10.2	10.6

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



Cable ID: 038

Date / Time: 01/09/2023 05:50:01 PM

Headroom 6.5 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks

Software Version: V6.8 Build 6

Limits Version: V6.2

Calibration Start Date:

Main (Module): 09/30/2022

Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000

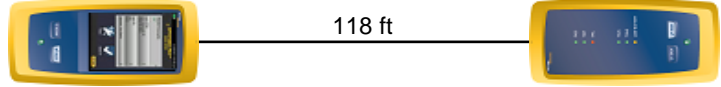
Main S/N: 3788256

Remote S/N: 3587215

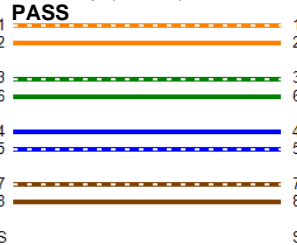
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	118
Prop. Delay (ns), Limit 498	[Pair 78]	183
Delay Skew (ns), Limit 44	[Pair 78]	12
Resistance (ohms)	[Pair 78]	5.77
Insertion Loss Margin (dB)	[Pair 36]	20.0
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-45	12-36
NEXT (dB)	6.6	6.5	6.6	6.5
Freq. (MHz)	249.0	248.5	249.0	248.5
Limit (dB)	35.4	35.4	35.4	35.4
Worst Pair	36	36	36	36
PS NEXT (dB)	7.1	6.8	7.1	6.8
Freq. (MHz)	248.5	248.5	248.5	248.5
Limit (dB)	32.7	32.7	32.7	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	78-12	12-78
ACR-F (dB)	15.3	15.3	16.3	16.4
Freq. (MHz)	5.9	6.4	250.0	250.0
Limit (dB)	48.8	48.1	16.2	16.2
Worst Pair	45	45	12	78
PS ACR-F (dB)	15.5	15.4	18.1	18.4
Freq. (MHz)	1.3	1.0	250.0	250.0
Limit (dB)	59.3	61.2	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	36-45	12-36
ACR-N (dB)	15.2	16.7	26.9	26.4
Freq. (MHz)	8.5	9.3	249.0	248.5
Limit (dB)	53.8	53.0	4.3	4.4
Worst Pair	12	12	36	36
PS ACR-N (dB)	15.0	16.2	26.9	26.6
Freq. (MHz)	8.9	9.0	248.5	248.5
Limit (dB)	51.1	51.0	1.8	1.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	6.6	4.7	7.2	4.7
Freq. (MHz)	142.0	231.5	231.0	231.5
Limit (dB)	12.5	10.4	10.4	10.4

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	



Cable ID: 039

Date / Time: 01/09/2023 05:50:17 PM

Headroom 5.7 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

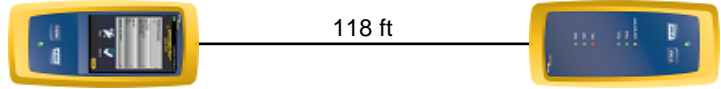
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

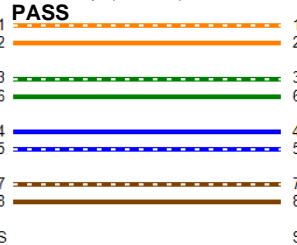
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	118
Prop. Delay (ns), Limit 498	[Pair 78]	182
Delay Skew (ns), Limit 44	[Pair 78]	11
Resistance (ohms)	[Pair 78]	5.73
Insertion Loss Margin (dB)	[Pair 36]	20.0
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	5.7	6.2	5.7	6.2
Freq. (MHz)	219.5	248.0	219.5	248.0
Limit (dB)	36.3	35.4	36.3	35.4
Worst Pair	12	36	12	36
PS NEXT (dB)	7.0	6.0	7.1	6.0
Freq. (MHz)	220.0	248.0	247.5	248.0
Limit (dB)	33.6	32.8	32.8	32.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	45-36	36-45	45-36
ACR-F (dB)	12.7	12.7	14.9	14.5
Freq. (MHz)	3.6	3.6	232.5	232.5
Limit (dB)	53.0	53.0	16.9	16.9
Worst Pair	36	36	36	36
PS ACR-F (dB)	14.6	14.6	17.3	16.7
Freq. (MHz)	1.0	1.1	233.5	232.5
Limit (dB)	61.2	60.2	13.8	13.9

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	14.4	15.3	26.7	26.2
Freq. (MHz)	16.9	16.8	248.0	248.0
Limit (dB)	47.0	47.1	4.4	4.4
Worst Pair	12	12	12	36
PS ACR-N (dB)	15.3	16.5	27.2	26.0
Freq. (MHz)	16.8	16.8	247.5	248.0
Limit (dB)	44.7	44.7	1.9	1.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	6.5	5.3	7.3	5.3
Freq. (MHz)	195.5	204.5	249.0	204.5
Limit (dB)	11.1	10.9	10.0	10.9

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



Cable ID: 040

Date / Time: 01/09/2023 05:50:43 PM

Headroom 1.1 dB (NEXT 36-45)

Test Limit: TIA Cat 6 Perm. Link

Cable Type: DataTwist 2412, 24 CMR/NH

NVP: 70.0%

Operator: Lynch Networks

Software Version: V6.8 Build 6

Limits Version: V6.2

Calibration Start Date:

Main (Module): 09/30/2022

Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000

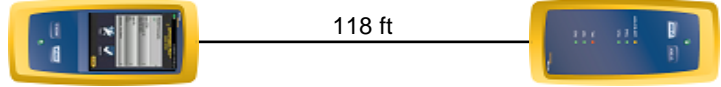
Main S/N: 3788256

Remote S/N: 3587215

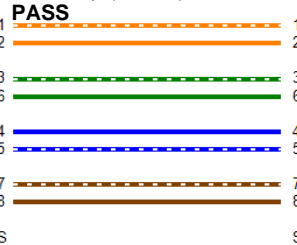
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	118
Prop. Delay (ns), Limit 498	[Pair 78]	184
Delay Skew (ns), Limit 44	[Pair 78]	12
Resistance (ohms)	[Pair 36]	5.80
Insertion Loss Margin (dB)	[Pair 36]	19.9
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	1.1	7.3	1.1	7.4
Freq. (MHz)	247.5	244.5	247.5	247.5
Limit (dB)	35.4	35.5	35.4	35.4
Worst Pair	36	36	36	36
PS NEXT (dB)	2.6	8.1	2.6	8.1
Freq. (MHz)	247.5	244.5	247.5	244.5
Limit (dB)	32.8	32.9	32.8	32.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	45-36
ACR-F (dB)	16.6	16.6	20.5	20.1
Freq. (MHz)	6.6	6.0	242.5	242.5
Limit (dB)	47.8	48.6	16.5	16.5
Worst Pair	45	45	36	36
PS ACR-F (dB)	16.7	16.7	20.6	20.0
Freq. (MHz)	1.0	1.1	241.5	242.5
Limit (dB)	61.2	60.2	13.5	13.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
ACR-N (dB)	12.5	13.8	21.2	27.5
Freq. (MHz)	5.8	5.4	247.5	247.5
Limit (dB)	57.4	58.0	4.5	4.5
Worst Pair	36	36	36	36
PS ACR-N (dB)	13.3	15.0	22.3	28.0
Freq. (MHz)	6.1	5.9	247.5	247.5
Limit (dB)	54.5	54.9	1.9	1.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	8.2	4.7	8.6	5.7
Freq. (MHz)	49.5	158.5	250.0	229.5
Limit (dB)	17.1	12.0	10.0	10.4

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	



Cable ID: 041

Date / Time: 01/09/2023 05:51:05 PM

Headroom 5.4 dB (NEXT 45-78)

Test Limit: TIA Cat 6 Perm. Link

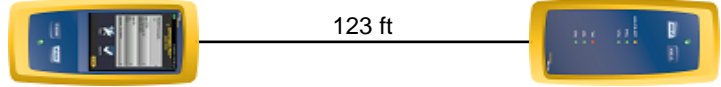
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

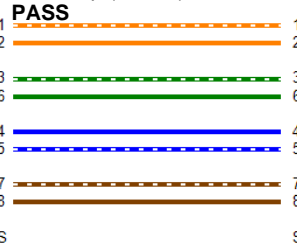
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	123
Prop. Delay (ns), Limit 498	[Pair 78]	190
Delay Skew (ns), Limit 44	[Pair 78]	12
Resistance (ohms)	[Pair 36]	5.91
Insertion Loss Margin (dB)	[Pair 36]	19.6
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	12-36	45-78	12-36
NEXT (dB)	5.4	6.8	6.2	6.8
Freq. (MHz)	129.5	244.5	246.5	244.5
Limit (dB)	40.0	35.5	35.4	35.5
Worst Pair	78	36	45	36
PS NEXT (dB)	6.9	7.6	7.1	7.6
Freq. (MHz)	74.0	245.0	247.0	245.0
Limit (dB)	41.5	32.9	32.8	32.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	78-12
ACR-F (dB)	15.4	15.3	16.5	16.5
Freq. (MHz)	71.8	77.0	250.0	250.0
Limit (dB)	27.1	26.5	16.2	16.2
Worst Pair	36	12	78	12
PS ACR-F (dB)	16.1	16.0	17.9	18.2
Freq. (MHz)	1.3	1.6	249.5	250.0
Limit (dB)	59.3	57.0	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	12-78	45-78	12-36
ACR-N (dB)	13.4	14.3	25.8	26.1
Freq. (MHz)	27.6	6.5	246.5	244.5
Limit (dB)	41.5	56.3	4.6	4.8
Worst Pair	78	78	45	36
PS ACR-N (dB)	14.4	15.2	27.0	27.0
Freq. (MHz)	28.0	11.8	247.0	245.0
Limit (dB)	38.9	48.4	1.9	2.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	36	45
RL (dB)	6.3	5.8	6.7	5.9
Freq. (MHz)	148.0	194.5	235.5	239.5
Limit (dB)	12.3	11.1	10.3	10.2

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



Cable ID: 042

Date / Time: 01/09/2023 05:52:49 PM

Headroom 4.0 dB (NEXT 36-78)

Test Limit: TIA Cat 6 Perm. Link

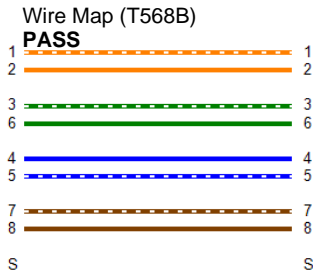
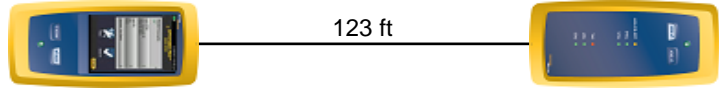
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	123
Prop. Delay (ns), Limit 498	[Pair 78]	192
Delay Skew (ns), Limit 44	[Pair 78]	13
Resistance (ohms)	[Pair 78]	6.02
Insertion Loss Margin (dB)	[Pair 36]	19.4
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-36	36-45	12-36
NEXT (dB)	4.0	5.7	4.5	5.7
Freq. (MHz)	230.0	247.5	249.0	247.5
Limit (dB)	35.9	35.4	35.4	35.4
Worst Pair	36	36	36	36
PS NEXT (dB)	3.3	6.2	3.5	6.5
Freq. (MHz)	240.5	238.0	248.5	248.5
Limit (dB)	33.0	33.1	32.7	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	45-36	45-36	36-45
ACR-F (dB)	18.1	18.1	21.5	21.8
Freq. (MHz)	7.9	7.9	249.5	249.0
Limit (dB)	46.3	46.3	16.2	16.3
Worst Pair	36	36	36	36
PS ACR-F (dB)	17.9	18.1	22.1	22.4
Freq. (MHz)	1.0	1.1	237.5	234.0
Limit (dB)	61.2	60.2	13.7	13.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-36
ACR-N (dB)	12.2	13.0	24.4	24.9
Freq. (MHz)	8.1	8.1	249.0	247.5
Limit (dB)	54.3	54.3	4.3	4.5
Worst Pair	36	36	36	36
PS ACR-N (dB)	11.1	12.7	22.8	25.8
Freq. (MHz)	8.3	8.3	248.5	248.5
Limit (dB)	51.8	51.8	1.8	1.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	4.8	8.1	4.8	8.1
Freq. (MHz)	186.0	233.5	186.0	233.5
Limit (dB)	11.3	10.3	11.3	10.3

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



Cable ID: 043

Date / Time: 01/09/2023 05:53:12 PM

Headroom 1.4 dB (NEXT 12-45)

Test Limit: TIA Cat 6 Perm. Link

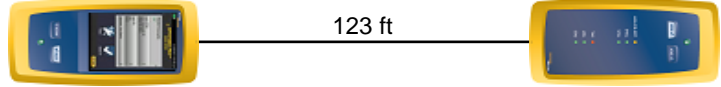
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

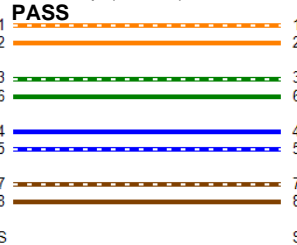
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	123
Prop. Delay (ns), Limit 498	[Pair 78]	190
Delay Skew (ns), Limit 44	[Pair 78]	12
Resistance (ohms)	[Pair 36]	5.98
Insertion Loss Margin (dB)	[Pair 36]	19.4
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	36-45	12-45	36-45
NEXT (dB)	1.4	5.2	1.4	5.7
Freq. (MHz)	247.0	225.0	247.0	247.0
Limit (dB)	35.4	36.1	35.4	35.4
Worst Pair	45	36	45	36
PS NEXT (dB)	2.3	5.3	2.3	5.3
Freq. (MHz)	247.5	221.5	247.5	221.5
Limit (dB)	32.8	33.6	32.8	33.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
ACR-F (dB)	20.1	20.3	22.2	22.0
Freq. (MHz)	167.0	170.5	250.0	249.5
Limit (dB)	19.7	19.6	16.2	16.2
Worst Pair	45	45	78	36
PS ACR-F (dB)	19.4	19.7	22.0	22.6
Freq. (MHz)	1.1	1.5	245.5	245.5
Limit (dB)	60.2	57.7	13.4	13.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	36-45
ACR-N (dB)	9.6	11.9	21.2	25.5
Freq. (MHz)	21.9	5.5	247.0	247.0
Limit (dB)	44.2	57.8	4.5	4.5
Worst Pair	45	45	45	36
PS ACR-N (dB)	10.9	13.0	22.1	25.2
Freq. (MHz)	21.9	5.5	247.5	244.5
Limit (dB)	41.8	55.5	1.9	2.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	36	45	45
RL (dB)	5.1	6.7	6.8	8.7
Freq. (MHz)	144.5	119.5	224.5	238.5
Limit (dB)	12.4	13.2	10.5	10.2

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



Cable ID: 044

Date / Time: 01/09/2023 05:53:27 PM

Headroom 2.7 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

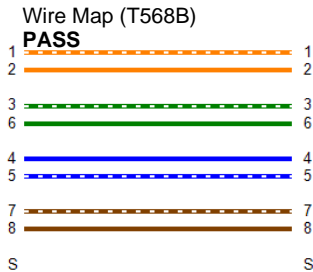
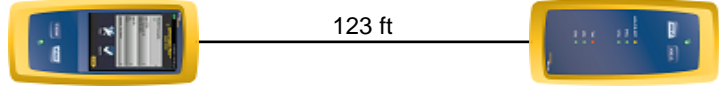
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	123
Prop. Delay (ns), Limit 498	[Pair 78]	191
Delay Skew (ns), Limit 44	[Pair 78]	13
Resistance (ohms)	[Pair 36]	5.98
Insertion Loss Margin (dB)	[Pair 36]	19.4
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	2.7	5.8	2.7	6.8
Freq. (MHz)	237.0	124.0	237.0	243.0
Limit (dB)	35.7	40.3	35.7	35.5
Worst Pair	36	12	36	36
PS NEXT (dB)	3.6	7.3	3.6	7.4
Freq. (MHz)	237.5	124.0	237.5	249.5
Limit (dB)	33.1	37.8	33.1	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	78-12
ACR-F (dB)	14.3	14.3	14.7	14.7
Freq. (MHz)	174.5	174.5	249.0	249.0
Limit (dB)	19.4	19.4	16.3	16.3
Worst Pair	12	12	12	12
PS ACR-F (dB)	15.8	15.8	16.4	16.5
Freq. (MHz)	1.3	1.8	245.5	249.0
Limit (dB)	59.3	56.3	13.4	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	11.6	14.0	21.3	25.9
Freq. (MHz)	27.1	5.6	237.0	243.0
Limit (dB)	41.7	57.6	5.6	4.9
Worst Pair	12	12	36	36
PS ACR-N (dB)	13.6	14.7	22.3	26.7
Freq. (MHz)	27.1	5.8	237.5	249.5
Limit (dB)	39.3	55.1	2.9	1.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	5.1	7.6	5.1	8.2
Freq. (MHz)	208.0	142.0	208.0	204.5
Limit (dB)	10.8	12.5	10.8	10.9

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



Cable ID: 045

Date / Time: 01/09/2023 05:53:42 PM

Headroom 3.3 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

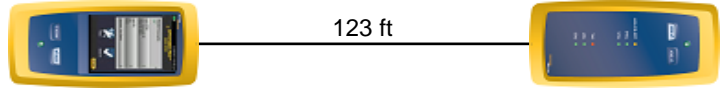
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

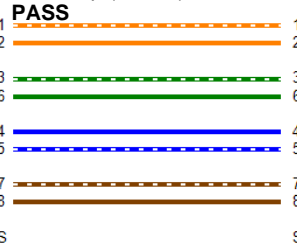
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	123
Prop. Delay (ns), Limit 498	[Pair 78]	191
Delay Skew (ns), Limit 44	[Pair 78]	12
Resistance (ohms)	[Pair 36]	5.98
Insertion Loss Margin (dB)	[Pair 36]	19.4
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	3.3	8.7	3.6	8.7
Freq. (MHz)	213.0	245.5	229.0	245.5
Limit (dB)	36.5	35.5	36.0	35.5
Worst Pair	36	36	12	36
PS NEXT (dB)	3.8	8.8	4.4	8.8
Freq. (MHz)	213.5	242.5	237.5	242.5
Limit (dB)	33.8	32.9	33.1	32.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	12-78
ACR-F (dB)	12.7	12.8	16.0	17.5
Freq. (MHz)	4.1	5.4	207.0	244.0
Limit (dB)	51.9	49.6	17.9	16.4
Worst Pair	12	12	78	78
PS ACR-F (dB)	14.2	14.1	17.2	18.6
Freq. (MHz)	1.4	1.0	202.5	228.0
Limit (dB)	58.4	61.2	15.1	14.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	12-36	12-36
ACR-N (dB)	11.4	12.2	23.7	27.9
Freq. (MHz)	4.6	4.5	245.5	245.5
Limit (dB)	59.3	59.5	4.7	4.7
Worst Pair	36	12	36	36
PS ACR-N (dB)	12.6	13.2	23.9	27.8
Freq. (MHz)	4.6	6.6	245.0	242.5
Limit (dB)	57.0	53.8	2.1	2.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	45	36	45
RL (dB)	6.4	6.4	6.9	6.4
Freq. (MHz)	180.5	240.0	250.0	240.0
Limit (dB)	11.4	10.2	10.0	10.2

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



Cable ID: 046

Date / Time: 01/09/2023 05:54:09 PM

Headroom 5.3 dB (NEXT 36-45)

Test Limit: TIA Cat 6 Perm. Link

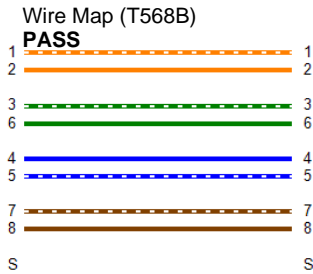
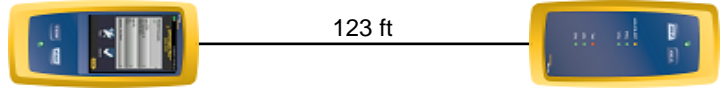
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	123
Prop. Delay (ns), Limit 498	[Pair 78]	191
Delay Skew (ns), Limit 44	[Pair 78]	12
Resistance (ohms)	[Pair 36]	5.98
Insertion Loss Margin (dB)	[Pair 36]	19.4
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	12-36
NEXT (dB)	5.3	7.7	5.4	8.1
Freq. (MHz)	242.5	220.5	243.0	249.5
Limit (dB)	35.6	36.2	35.5	35.4
Worst Pair	45	36	45	36
PS NEXT (dB)	6.5	8.3	6.5	8.5
Freq. (MHz)	240.5	206.5	240.5	250.0
Limit (dB)	33.0	34.1	33.0	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	78-12	12-78	78-12
ACR-F (dB)	18.7	18.9	19.0	19.0
Freq. (MHz)	219.5	246.5	250.0	250.0
Limit (dB)	17.4	16.4	16.2	16.2
Worst Pair	45	12	78	12
PS ACR-F (dB)	19.7	19.0	19.8	19.3
Freq. (MHz)	1.0	220.0	250.0	246.5
Limit (dB)	61.2	14.3	13.2	13.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-36
ACR-N (dB)	13.9	13.7	24.9	27.5
Freq. (MHz)	5.6	5.6	243.0	249.5
Limit (dB)	57.6	57.6	4.9	4.3
Worst Pair	12	12	36	36
PS ACR-N (dB)	14.4	14.0	25.8	27.9
Freq. (MHz)	5.8	5.8	243.0	250.0
Limit (dB)	55.1	55.1	2.3	1.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	45	45	45
RL (dB)	5.7	7.3	5.7	7.5
Freq. (MHz)	115.5	169.5	244.0	247.0
Limit (dB)	13.4	11.7	10.1	10.1

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



Cable ID: 047

Date / Time: 01/09/2023 05:54:21 PM

Headroom 4.5 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

Cable Type: DataTwist 2412, 24 CMR/NH

NVP: 70.0%

Operator: Lynch Networks

Software Version: V6.8 Build 6

Limits Version: V6.2

Calibration Start Date:

Main (Module): 09/30/2022

Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000

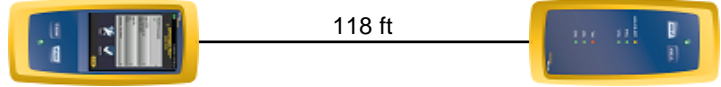
Main S/N: 3788256

Remote S/N: 3587215

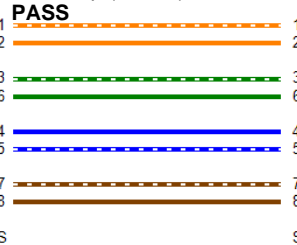
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	118
Prop. Delay (ns), Limit 498	[Pair 78]	182
Delay Skew (ns), Limit 44	[Pair 78]	11
Resistance (ohms)	[Pair 36]	5.69
Insertion Loss Margin (dB)	[Pair 36]	20.0
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-45	12-36
NEXT (dB)	5.6	4.5	5.6	5.8
Freq. (MHz)	236.5	202.0	236.5	249.0
Limit (dB)	35.7	36.9	35.7	35.4
Worst Pair	36	12	36	36
PS NEXT (dB)	6.1	6.5	6.4	7.3
Freq. (MHz)	236.5	202.0	245.5	249.0
Limit (dB)	33.1	34.2	32.8	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	36-45	45-36
ACR-F (dB)	15.8	15.8	18.7	19.1
Freq. (MHz)	6.3	5.3	210.0	235.0
Limit (dB)	48.3	49.8	17.7	16.8
Worst Pair	45	45	45	78
PS ACR-F (dB)	16.7	16.7	20.3	20.1
Freq. (MHz)	1.0	1.1	250.0	250.0
Limit (dB)	61.2	60.2	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	13.3	14.6	26.0	25.8
Freq. (MHz)	20.4	20.4	245.5	249.0
Limit (dB)	45.0	45.0	4.7	4.3
Worst Pair	36	36	36	36
PS ACR-N (dB)	14.0	14.6	26.1	27.2
Freq. (MHz)	20.4	20.4	245.5	249.0
Limit (dB)	42.6	42.6	2.1	1.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	36
RL (dB)	4.8	5.6	6.0	7.3
Freq. (MHz)	139.5	139.5	213.5	247.0
Limit (dB)	12.6	12.6	10.7	10.1

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	



Cable ID: 048

Date / Time: 01/09/2023 05:54:54 PM

Headroom 2.0 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

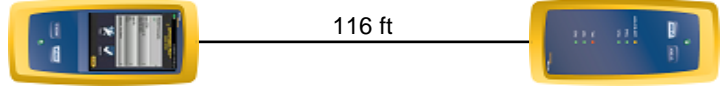
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

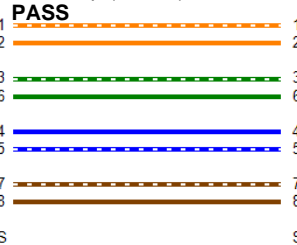
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	116
Prop. Delay (ns), Limit 498	[Pair 78]	180
Delay Skew (ns), Limit 44	[Pair 78]	11
Resistance (ohms)	[Pair 36]	5.69
Insertion Loss Margin (dB)	[Pair 36]	20.1
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	2.0	2.4	2.1	2.4
Freq. (MHz)	204.5	240.0	239.5	240.0
Limit (dB)	36.8	35.6	35.6	35.6
Worst Pair	12	36	12	36
PS NEXT (dB)	4.2	4.0	4.2	4.0
Freq. (MHz)	239.5	240.0	239.5	240.0
Limit (dB)	33.0	33.0	33.0	33.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	12-36	36-12
ACR-F (dB)	19.3	19.4	19.8	19.9
Freq. (MHz)	81.5	82.5	240.0	240.0
Limit (dB)	26.0	25.9	16.6	16.6
Worst Pair	36	36	36	12
PS ACR-F (dB)	19.2	19.4	20.9	21.9
Freq. (MHz)	1.0	1.5	239.5	240.0
Limit (dB)	61.2	57.7	13.6	13.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	10.6	10.7	21.7	21.9
Freq. (MHz)	5.8	5.8	239.5	240.0
Limit (dB)	57.4	57.4	5.3	5.3
Worst Pair	36	36	12	36
PS ACR-N (dB)	12.2	12.0	23.9	23.6
Freq. (MHz)	5.8	5.8	239.5	240.0
Limit (dB)	55.1	55.1	2.7	2.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	6.1	5.4	6.4	6.8
Freq. (MHz)	231.5	156.0	247.5	247.0
Limit (dB)	10.4	12.1	10.1	10.1

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



Cable ID: 049

Date / Time: 01/09/2023 01:06:11 PM

Headroom 7.4 dB (NEXT 12-45)

Test Limit: TIA Cat 6 Perm. Link

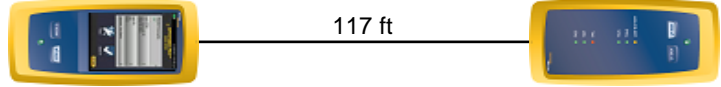
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

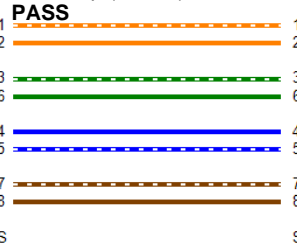
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	117
Prop. Delay (ns), Limit 498	[Pair 78]	182
Delay Skew (ns), Limit 44	[Pair 78]	12
Resistance (ohms)	[Pair 36]	5.73
Insertion Loss Margin (dB)	[Pair 36]	19.9
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-36	12-36	12-45
NEXT (dB)	7.4	7.9	8.0	8.9
Freq. (MHz)	54.0	153.5	219.5	246.0
Limit (dB)	46.2	38.8	36.3	35.5
Worst Pair	12	12	12	45
PS NEXT (dB)	8.3	9.3	9.1	9.6
Freq. (MHz)	185.0	153.0	225.0	228.0
Limit (dB)	34.9	36.3	33.5	33.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
ACR-F (dB)	11.6	11.6	13.6	13.9
Freq. (MHz)	3.3	3.3	243.5	243.5
Limit (dB)	54.0	54.0	16.5	16.5
Worst Pair	45	45	36	45
PS ACR-F (dB)	13.4	13.2	16.5	16.3
Freq. (MHz)	1.1	1.1	243.5	243.5
Limit (dB)	60.2	60.2	13.5	13.5

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-36	12-45
ACR-N (dB)	13.9	14.8	27.6	29.2
Freq. (MHz)	10.0	10.0	231.5	246.0
Limit (dB)	52.3	52.3	6.1	4.6
Worst Pair	45	12	12	12
PS ACR-N (dB)	14.6	15.5	30.1	30.7
Freq. (MHz)	12.9	13.0	245.5	246.0
Limit (dB)	47.4	47.3	2.1	2.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	45	36	45
RL (dB)	5.5	6.8	5.5	6.8
Freq. (MHz)	217.0	244.0	217.0	244.0
Limit (dB)	10.6	10.1	10.6	10.1

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



Cable ID: 050

Date / Time: 01/09/2023 01:12:52 PM

Headroom 1.6 dB (NEXT 12-78)

Test Limit: TIA Cat 6 Perm. Link

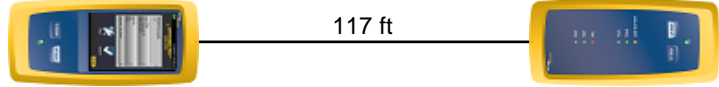
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

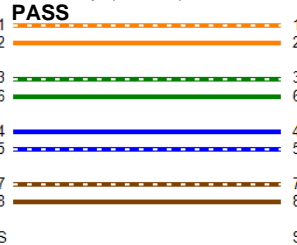
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	117
Prop. Delay (ns), Limit 498	[Pair 78]	182
Delay Skew (ns), Limit 44	[Pair 78]	12
Resistance (ohms)	[Pair 36]	5.69
Insertion Loss Margin (dB)	[Pair 36]	20.0
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	12-78	12-78	12-78
NEXT (dB)	8.0	1.6	8.7	1.8
Freq. (MHz)	89.5	237.5	249.0	249.5
Limit (dB)	42.6	35.7	35.4	35.4
Worst Pair	36	12	36	12
PS NEXT (dB)	7.9	3.2	7.9	3.2
Freq. (MHz)	246.5	249.5	246.5	249.5
Limit (dB)	32.8	32.7	32.8	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	12-36	45-36
ACR-F (dB)	18.2	17.9	19.3	19.1
Freq. (MHz)	156.5	156.5	248.0	248.0
Limit (dB)	20.3	20.3	16.3	16.3
Worst Pair	36	36	36	45
PS ACR-F (dB)	18.0	18.3	18.7	20.1
Freq. (MHz)	1.0	1.0	240.0	247.5
Limit (dB)	61.2	61.2	13.6	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	12-78
ACR-N (dB)	13.1	10.8	29.0	22.1
Freq. (MHz)	7.6	7.5	249.0	249.5
Limit (dB)	54.8	55.0	4.3	4.3
Worst Pair	78	12	36	12
PS ACR-N (dB)	14.2	11.7	27.7	23.4
Freq. (MHz)	7.8	7.3	246.5	249.5
Limit (dB)	52.4	53.0	2.0	1.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	45	45	45
RL (dB)	5.5	5.3	6.2	5.4
Freq. (MHz)	80.3	237.0	250.0	237.5
Limit (dB)	15.0	10.3	10.0	10.2

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



Cable ID: 051

Date / Time: 01/09/2023 01:14:31 PM

Headroom 4.1 dB (NEXT 12-45)

Test Limit: TIA Cat 6 Perm. Link

Cable Type: DataTwist 2412, 24 CMR/NH

NVP: 70.0%

Operator: Lynch Networks

Software Version: V6.8 Build 6

Limits Version: V6.2

Calibration Start Date:

Main (Module): 09/30/2022

Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000

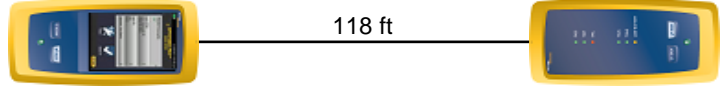
Main S/N: 3788256

Remote S/N: 3587215

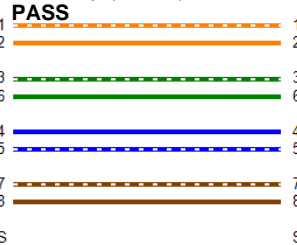
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	118
Prop. Delay (ns), Limit 498	[Pair 78]	183
Delay Skew (ns), Limit 44	[Pair 78]	12
Resistance (ohms)	[Pair 36]	5.80
Insertion Loss Margin (dB)	[Pair 36]	19.7
Frequency (MHz)	[Pair 36]	249.5
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	36-78	12-45	12-36
NEXT (dB)	4.1	6.4	4.8	7.2
Freq. (MHz)	140.0	219.5	238.5	249.5
Limit (dB)	39.5	36.3	35.7	35.4
Worst Pair	12	36	45	36
PS NEXT (dB)	6.2	6.6	6.4	7.0
Freq. (MHz)	236.5	236.5	249.0	250.0
Limit (dB)	33.1	33.1	32.7	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	78-36	78-12	12-78
ACR-F (dB)	19.0	19.0	20.5	20.5
Freq. (MHz)	67.5	67.5	250.0	250.0
Limit (dB)	27.6	27.6	16.2	16.2
Worst Pair	45	45	78	78
PS ACR-F (dB)	18.2	18.0	22.1	21.7
Freq. (MHz)	1.1	1.0	248.0	250.0
Limit (dB)	60.2	61.2	13.3	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	12-45	12-36
ACR-N (dB)	11.3	11.1	25.5	26.9
Freq. (MHz)	4.1	4.0	247.0	249.5
Limit (dB)	60.3	60.6	4.5	4.3
Worst Pair	12	78	45	36
PS ACR-N (dB)	12.4	12.7	26.6	26.6
Freq. (MHz)	13.1	4.0	249.0	249.5
Limit (dB)	47.2	58.3	1.7	1.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	36	36
RL (dB)	3.5	5.3	3.5	5.3
Freq. (MHz)	248.0	248.0	248.0	248.0
Limit (dB)	10.1	10.1	10.1	10.1

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	



Cable ID: 052

Date / Time: 01/09/2023 01:15:35 PM

Headroom 6.1 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

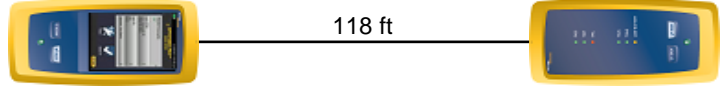
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

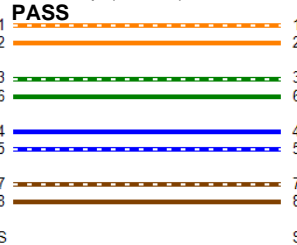
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	118
Prop. Delay (ns), Limit 498	[Pair 78]	182
Delay Skew (ns), Limit 44	[Pair 78]	11
Resistance (ohms)	[Pair 36]	5.76
Insertion Loss Margin (dB)	[Pair 36]	19.9
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	6.1	7.1	6.1	7.1
Freq. (MHz)	248.0	222.5	248.0	222.5
Limit (dB)	35.4	36.2	35.4	36.2
Worst Pair	12	12	12	12
PS NEXT (dB)	6.4	7.6	6.4	7.6
Freq. (MHz)	245.0	245.5	245.0	245.5
Limit (dB)	32.9	32.8	32.9	32.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	45-36	45-36	45-36
ACR-F (dB)	14.6	14.6	17.6	17.2
Freq. (MHz)	4.8	4.8	250.0	238.5
Limit (dB)	50.7	50.7	16.2	16.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	15.2	15.1	19.2	19.1
Freq. (MHz)	1.3	1.1	249.0	247.5
Limit (dB)	59.3	60.2	13.3	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	13.3	14.0	26.0	25.4
Freq. (MHz)	8.8	8.8	248.0	222.5
Limit (dB)	53.6	53.6	4.4	7.1
Worst Pair	12	12	36	12
PS ACR-N (dB)	13.9	14.4	26.8	27.6
Freq. (MHz)	4.5	4.4	250.0	245.5
Limit (dB)	57.3	57.5	1.6	2.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	45	36	45
RL (dB)	5.3	7.2	7.0	9.7
Freq. (MHz)	121.0	23.1	222.5	236.0
Limit (dB)	13.2	19.2	10.5	10.3

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



Cable ID: 053

Date / Time: 01/09/2023 01:15:56 PM

Headroom 4.2 dB (NEXT 36-45)

Test Limit: TIA Cat 6 Perm. Link

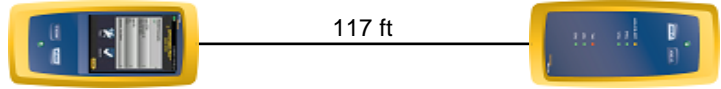
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

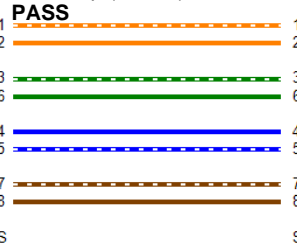
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	117
Prop. Delay (ns), Limit 498	[Pair 78]	182
Delay Skew (ns), Limit 44	[Pair 78]	12
Resistance (ohms)	[Pair 78]	5.73
Insertion Loss Margin (dB)	[Pair 36]	19.9
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-45	36-45
NEXT (dB)	4.2	6.6	4.2	7.0
Freq. (MHz)	231.5	199.5	231.5	250.0
Limit (dB)	35.9	36.9	35.9	35.3
Worst Pair	36	36	36	36
PS NEXT (dB)	4.8	6.2	4.8	6.2
Freq. (MHz)	232.0	250.0	232.0	250.0
Limit (dB)	33.2	32.7	33.2	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-78	45-78
ACR-F (dB)	21.5	21.6	22.1	21.9
Freq. (MHz)	12.9	13.4	250.0	250.0
Limit (dB)	42.0	41.7	16.2	16.2
Worst Pair	45	45	12	78
PS ACR-F (dB)	19.5	19.5	22.8	22.7
Freq. (MHz)	1.3	1.1	243.0	249.0
Limit (dB)	59.3	60.2	13.5	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	12-36	36-45	36-45
ACR-N (dB)	12.7	13.8	23.6	27.3
Freq. (MHz)	5.9	25.9	231.5	250.0
Limit (dB)	57.2	42.3	6.1	4.2
Worst Pair	78	78	36	36
PS ACR-N (dB)	13.3	14.0	25.4	26.1
Freq. (MHz)	5.6	5.9	250.0	250.0
Limit (dB)	55.3	54.9	1.6	1.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	5.3	6.5	6.7	7.2
Freq. (MHz)	94.8	142.5	169.5	231.5
Limit (dB)	14.2	12.5	11.7	10.4

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



Cable ID: 054

Date / Time: 01/09/2023 01:16:31 PM

Headroom **4.6 dB (NEXT 12-36)**

Test Limit: TIA Cat 6 Perm. Link

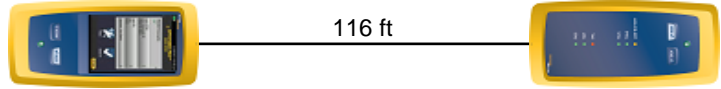
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

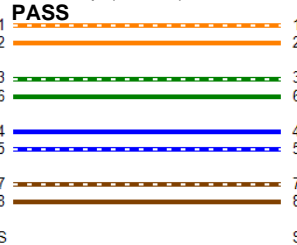
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	116
Prop. Delay (ns), Limit 498	[Pair 78]	180
Delay Skew (ns), Limit 44	[Pair 78]	11
Resistance (ohms)	[Pair 78]	5.66
Insertion Loss Margin (dB)	[Pair 36]	20.1
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-36	12-45	12-36
NEXT (dB)	4.8	4.6	4.9	5.5
Freq. (MHz)	217.5	65.8	247.0	243.0
Limit (dB)	36.3	44.8	35.4	35.5
Worst Pair	45	36	45	12
PS NEXT (dB)	5.5	6.3	6.0	7.4
Freq. (MHz)	226.5	39.8	250.0	243.5
Limit (dB)	33.4	45.9	32.7	32.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	12-78
ACR-F (dB)	14.3	14.3	18.6	18.4
Freq. (MHz)	6.8	6.8	247.0	245.0
Limit (dB)	47.6	47.6	16.3	16.4
Worst Pair	78	78	78	78
PS ACR-F (dB)	15.1	15.2	18.7	18.7
Freq. (MHz)	1.0	1.1	242.0	250.0
Limit (dB)	61.2	60.2	13.5	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	12-45	12-36
ACR-N (dB)	12.6	11.4	25.3	25.2
Freq. (MHz)	16.3	27.0	247.0	243.0
Limit (dB)	47.4	41.8	4.5	4.9
Worst Pair	45	36	45	12
PS ACR-N (dB)	12.3	11.0	26.4	27.3
Freq. (MHz)	19.8	16.0	250.0	243.5
Limit (dB)	42.9	45.2	1.6	2.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	36	45	45
RL (dB)	6.3	5.0	6.4	6.6
Freq. (MHz)	134.5	89.8	234.5	180.0
Limit (dB)	12.7	14.5	10.3	11.4

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



Cable ID: 056

Date / Time: 01/09/2023 01:21:27 PM

Headroom 3.5 dB (NEXT 36-45)

Test Limit: TIA Cat 6 Perm. Link

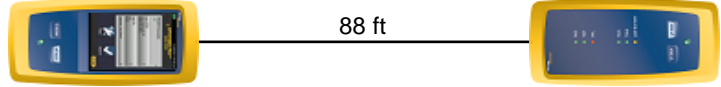
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

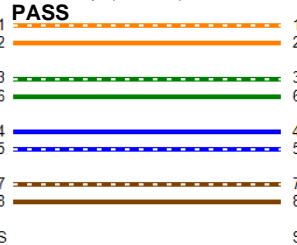
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	88
Prop. Delay (ns), Limit 498	[Pair 78]	137
Delay Skew (ns), Limit 44	[Pair 78]	9
Resistance (ohms)	[Pair 78]	4.41
Insertion Loss Margin (dB)	[Pair 36]	22.6
Frequency (MHz)	[Pair 36]	249.5
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-45	12-36
NEXT (dB)	3.5	4.1	3.6	4.1
Freq. (MHz)	242.5	238.0	243.0	238.0
Limit (dB)	35.6	35.7	35.5	35.7
Worst Pair	45	36	45	36
PS NEXT (dB)	4.4	5.0	4.4	5.0
Freq. (MHz)	250.0	242.5	250.0	242.5
Limit (dB)	32.7	32.9	32.7	32.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
ACR-F (dB)	14.3	14.3	16.4	16.7
Freq. (MHz)	4.8	4.8	249.5	250.0
Limit (dB)	50.7	50.7	16.2	16.2
Worst Pair	36	36	78	45
PS ACR-F (dB)	14.9	15.0	18.5	18.9
Freq. (MHz)	1.0	1.3	245.5	250.0
Limit (dB)	61.2	59.3	13.4	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	36-45	12-36
ACR-N (dB)	14.4	13.9	26.7	26.0
Freq. (MHz)	9.4	9.4	250.0	238.0
Limit (dB)	52.9	52.9	4.2	5.5
Worst Pair	45	78	45	36
PS ACR-N (dB)	15.0	15.4	27.2	27.2
Freq. (MHz)	9.0	9.4	250.0	242.5
Limit (dB)	51.0	50.6	1.6	2.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	5.3	7.1	5.3	8.7
Freq. (MHz)	250.0	82.5	250.0	250.0
Limit (dB)	10.0	14.8	10.0	10.0

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



Cable ID: 055

Date / Time: 01/09/2023 01:21:01 PM

Headroom 3.5 dB (NEXT 36-45)

Test Limit: TIA Cat 6 Perm. Link

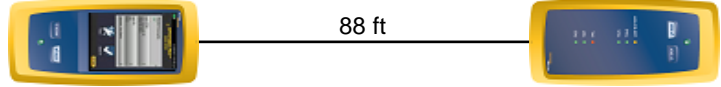
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

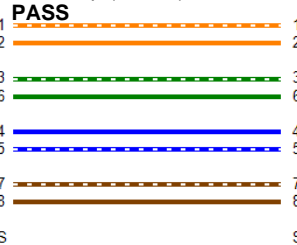
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	88
Prop. Delay (ns), Limit 498	[Pair 78]	137
Delay Skew (ns), Limit 44	[Pair 78]	9
Resistance (ohms)	[Pair 78]	4.44
Insertion Loss Margin (dB)	[Pair 36]	22.6
Frequency (MHz)	[Pair 36]	249.5
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-45	12-36
NEXT (dB)	3.5	4.2	3.6	4.2
Freq. (MHz)	242.5	238.0	243.0	238.0
Limit (dB)	35.6	35.7	35.5	35.7
Worst Pair	45	36	45	36
PS NEXT (dB)	4.4	5.0	4.4	5.0
Freq. (MHz)	250.0	242.5	250.0	242.5
Limit (dB)	32.7	32.9	32.7	32.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
ACR-F (dB)	14.3	14.3	16.4	16.7
Freq. (MHz)	4.8	4.8	249.5	250.0
Limit (dB)	50.7	50.7	16.2	16.2
Worst Pair	36	36	78	45
PS ACR-F (dB)	14.8	14.9	18.5	18.9
Freq. (MHz)	1.1	1.0	244.5	250.0
Limit (dB)	60.2	61.2	13.4	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	36-45	12-36
ACR-N (dB)	14.3	13.9	26.7	26.1
Freq. (MHz)	9.1	9.3	250.0	238.0
Limit (dB)	53.2	53.0	4.2	5.5
Worst Pair	45	78	45	36
PS ACR-N (dB)	15.0	15.4	27.2	27.2
Freq. (MHz)	9.0	9.3	250.0	242.5
Limit (dB)	51.0	50.7	1.6	2.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	5.3	7.1	5.3	8.7
Freq. (MHz)	250.0	82.5	250.0	250.0
Limit (dB)	10.0	14.8	10.0	10.0

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



Cable ID: 057

Date / Time: 01/09/2023 01:21:46 PM

Headroom 2.0 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

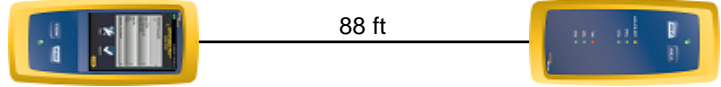
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

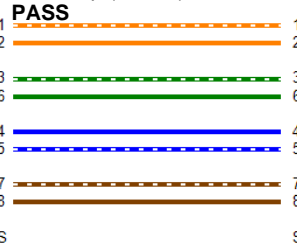
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	88
Prop. Delay (ns), Limit 498	[Pair 78]	136
Delay Skew (ns), Limit 44	[Pair 78]	8
Resistance (ohms)	[Pair 36]	4.40
Insertion Loss Margin (dB)	[Pair 36]	22.5
Frequency (MHz)	[Pair 36]	249.0
Limit (dB)	[Pair 36]	31.0



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	2.0	2.6	3.0	2.7
Freq. (MHz)	190.0	190.0	221.0	236.5
Limit (dB)	37.3	37.3	36.2	35.7
Worst Pair	12	12	12	12
PS NEXT (dB)	2.9	4.3	3.0	4.9
Freq. (MHz)	190.0	182.5	221.5	236.5
Limit (dB)	34.7	35.0	33.6	33.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	78-12	12-78	78-12	12-78
ACR-F (dB)	17.2	17.2	18.9	18.9
Freq. (MHz)	34.8	34.8	249.0	249.0
Limit (dB)	33.4	33.4	16.3	16.3
Worst Pair	45	45	12	78
PS ACR-F (dB)	17.8	17.7	20.2	20.8
Freq. (MHz)	1.3	1.0	249.0	249.0
Limit (dB)	59.3	61.2	13.3	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	11.3	12.4	26.3	24.3
Freq. (MHz)	7.4	7.5	243.5	236.5
Limit (dB)	55.2	55.0	4.9	5.6
Worst Pair	12	12	36	36
PS ACR-N (dB)	11.5	13.1	26.1	26.5
Freq. (MHz)	11.3	7.0	243.0	236.5
Limit (dB)	48.8	53.3	2.3	3.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	36	36	36
RL (dB)	3.0	5.9	4.5	7.2
Freq. (MHz)	163.0	75.0	233.5	233.0
Limit (dB)	11.9	15.2	10.3	10.3

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



Cable ID: 058

Date / Time: 01/09/2023 01:22:50 PM

Headroom 3.3 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

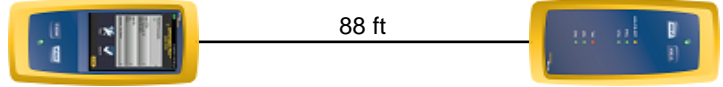
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

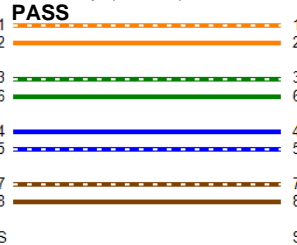
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	88
Prop. Delay (ns), Limit 498	[Pair 78]	135
Delay Skew (ns), Limit 44	[Pair 78]	8
Resistance (ohms)	[Pair 36]	4.36
Insertion Loss Margin (dB)	[Pair 36]	22.8
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	3.3	7.6	3.3	9.0
Freq. (MHz)	233.5	192.5	233.5	243.5
Limit (dB)	35.8	37.2	35.8	35.5
Worst Pair	36	12	36	36
PS NEXT (dB)	4.3	8.2	4.5	8.9
Freq. (MHz)	229.5	173.0	241.0	244.0
Limit (dB)	33.3	35.4	33.0	32.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	36-45	45-36
ACR-F (dB)	17.5	17.5	18.5	18.2
Freq. (MHz)	6.6	6.6	245.0	245.0
Limit (dB)	47.8	47.8	16.4	16.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	17.7	17.3	20.0	20.2
Freq. (MHz)	1.1	1.1	245.5	229.0
Limit (dB)	60.2	60.2	13.4	14.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-45	12-36	12-36
ACR-N (dB)	15.0	16.1	25.1	31.4
Freq. (MHz)	10.9	17.8	233.5	243.5
Limit (dB)	51.5	46.5	5.9	4.9
Worst Pair	12	12	36	36
PS ACR-N (dB)	14.3	14.7	26.8	31.4
Freq. (MHz)	9.9	9.8	241.0	244.0
Limit (dB)	50.1	50.2	2.5	2.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	3.9	4.6	3.9	5.4
Freq. (MHz)	224.5	127.5	224.5	197.5
Limit (dB)	10.5	12.9	10.5	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



Cable ID: 059

Date / Time: 01/09/2023 01:24:05 PM

Headroom 4.6 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

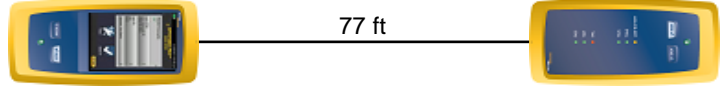
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

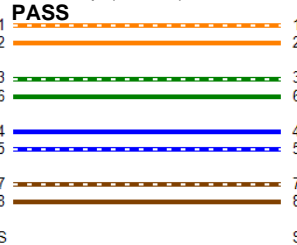
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	77
Prop. Delay (ns), Limit 498	[Pair 78]	120
Delay Skew (ns), Limit 44	[Pair 78]	8
Resistance (ohms)	[Pair 36]	3.90
Insertion Loss Margin (dB)	[Pair 36]	23.7
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-36
NEXT (dB)	4.6	6.1	4.8	6.2
Freq. (MHz)	222.0	159.5	241.5	248.0
Limit (dB)	36.2	38.5	35.6	35.4
Worst Pair	36	36	36	36
PS NEXT (dB)	4.4	7.5	4.5	7.5
Freq. (MHz)	231.5	247.5	232.0	247.5
Limit (dB)	33.3	32.8	33.2	32.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-12	12-36	36-45	45-36
ACR-F (dB)	20.4	20.2	21.5	21.1
Freq. (MHz)	190.0	190.0	242.0	241.5
Limit (dB)	18.6	18.6	16.5	16.5
Worst Pair	45	45	36	36
PS ACR-F (dB)	19.0	18.9	20.7	22.2
Freq. (MHz)	1.0	1.1	198.0	240.0
Limit (dB)	61.2	60.2	15.3	13.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-36
ACR-N (dB)	13.4	14.4	28.4	29.8
Freq. (MHz)	8.1	8.1	241.5	248.0
Limit (dB)	54.3	54.3	5.1	4.4
Worst Pair	36	36	36	36
PS ACR-N (dB)	13.9	14.9	28.0	31.0
Freq. (MHz)	8.8	8.5	241.5	247.5
Limit (dB)	51.2	51.5	2.5	1.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	45	45	45
RL (dB)	4.9	4.4	5.2	4.4
Freq. (MHz)	177.0	167.0	209.0	167.0
Limit (dB)	11.5	11.8	10.8	11.8

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



Cable ID: 060

Date / Time: 01/09/2023 01:25:02 PM

Headroom **4.2 dB (NEXT 12-36)**

Test Limit: TIA Cat 6 Perm. Link

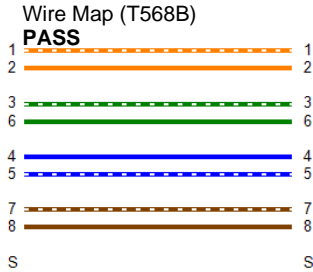
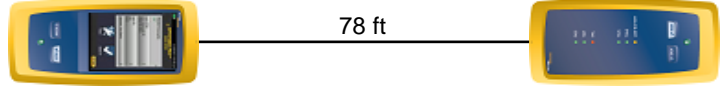
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	78
Prop. Delay (ns), Limit 498	[Pair 78]	121
Delay Skew (ns), Limit 44	[Pair 78]	8
Resistance (ohms)	[Pair 78]	3.98
Insertion Loss Margin (dB)	[Pair 36]	23.5
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	12-36	36-45
NEXT (dB)	4.2	4.5	4.2	4.5
Freq. (MHz)	249.5	240.0	249.5	240.0
Limit (dB)	35.4	35.6	35.4	35.6
Worst Pair	36	36	36	36
PS NEXT (dB)	4.7	5.1	4.7	5.1
Freq. (MHz)	248.5	240.5	248.5	240.5
Limit (dB)	32.7	33.0	32.7	33.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	78-12	78-12
ACR-F (dB)	14.7	14.7	15.7	15.6
Freq. (MHz)	5.4	5.4	250.0	249.0
Limit (dB)	49.6	49.6	16.2	16.3
Worst Pair	12	12	12	12
PS ACR-F (dB)	15.8	15.8	18.5	17.9
Freq. (MHz)	1.3	1.6	250.0	248.5
Limit (dB)	59.3	57.0	13.2	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-78	12-36	36-45
ACR-N (dB)	15.4	15.9	27.9	27.6
Freq. (MHz)	8.4	10.8	250.0	240.0
Limit (dB)	54.0	51.6	4.2	5.3
Worst Pair	12	12	36	36
PS ACR-N (dB)	15.2	15.8	28.1	28.0
Freq. (MHz)	8.6	9.0	248.5	240.5
Limit (dB)	51.4	51.0	1.8	2.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	1.2	3.1	1.2	3.3
Freq. (MHz)	161.5	161.5	161.5	239.0
Limit (dB)	11.9	11.9	11.9	10.2

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



Cable ID: 061

Date / Time: 01/09/2023 01:25:23 PM

Headroom 5.4 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

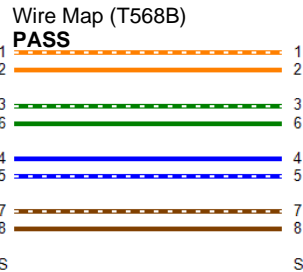
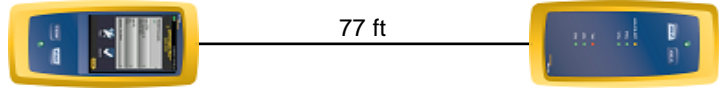
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	77
Prop. Delay (ns), Limit 498	[Pair 78]	119
Delay Skew (ns), Limit 44	[Pair 78]	7
Resistance (ohms)	[Pair 36]	3.90
Insertion Loss Margin (dB)	[Pair 36]	23.7
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-36	12-36	12-36
NEXT (dB)	6.0	5.4	6.2	6.0
Freq. (MHz)	64.0	213.5	227.0	235.0
Limit (dB)	45.0	36.5	36.0	35.8
Worst Pair	36	36	36	36
PS NEXT (dB)	6.2	6.4	6.2	6.6
Freq. (MHz)	250.0	213.5	250.0	231.5
Limit (dB)	32.7	33.8	32.7	33.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	12-78
ACR-F (dB)	20.5	20.6	20.8	20.7
Freq. (MHz)	178.5	205.0	250.0	246.5
Limit (dB)	19.2	18.0	16.2	16.4
Worst Pair	36	36	78	78
PS ACR-F (dB)	20.6	20.4	21.0	21.5
Freq. (MHz)	1.3	1.3	249.5	246.5
Limit (dB)	59.3	59.3	13.2	13.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-36	12-36	12-36
ACR-N (dB)	14.4	14.8	28.5	28.8
Freq. (MHz)	10.9	22.5	227.0	235.0
Limit (dB)	51.5	43.9	6.6	5.8
Worst Pair	78	78	36	36
PS ACR-N (dB)	14.6	14.1	29.9	29.2
Freq. (MHz)	11.0	10.4	250.0	231.5
Limit (dB)	49.0	49.6	1.6	3.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	7.2	4.6	7.2	4.6
Freq. (MHz)	238.5	128.0	238.5	128.0
Limit (dB)	10.2	12.9	10.2	12.9

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



Cable ID: 062

Date / Time: 01/09/2023 01:25:52 PM

Headroom 3.4 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

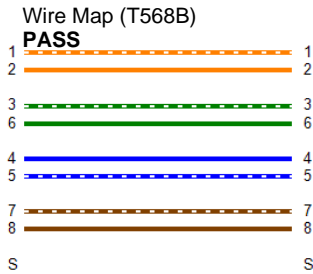
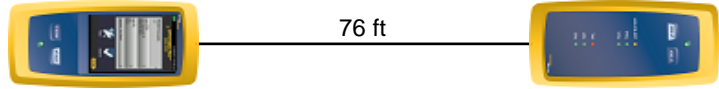
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	76
Prop. Delay (ns), Limit 498	[Pair 78]	119
Delay Skew (ns), Limit 44	[Pair 78]	8
Resistance (ohms)	[Pair 36]	3.97
Insertion Loss Margin (dB)	[Pair 36]	23.7
Frequency (MHz)	[Pair 36]	249.5
Limit (dB)	[Pair 36]	31.1



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-36	12-78	12-36
NEXT (dB)	6.4	3.4	7.6	3.4
Freq. (MHz)	172.5	234.0	207.5	234.0
Limit (dB)	38.0	35.8	36.7	35.8
Worst Pair	12	36	36	36
PS NEXT (dB)	7.8	4.2	8.7	4.2
Freq. (MHz)	207.5	234.0	248.0	234.0
Limit (dB)	34.1	33.2	32.8	33.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-F (dB)	18.0	18.0	18.0	18.4
Freq. (MHz)	190.5	191.5	190.5	200.5
Limit (dB)	18.6	18.5	18.6	18.1
Worst Pair	36	36	12	12
PS ACR-F (dB)	17.9	18.1	19.5	19.1
Freq. (MHz)	1.3	1.4	200.5	191.0
Limit (dB)	59.3	58.4	15.1	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	36-45	12-36
ACR-N (dB)	12.5	13.9	33.1	25.9
Freq. (MHz)	4.0	3.5	247.5	234.0
Limit (dB)	60.6	61.7	4.5	5.9
Worst Pair	12	12	36	36
PS ACR-N (dB)	14.1	15.0	32.3	26.8
Freq. (MHz)	4.0	4.5	248.0	234.0
Limit (dB)	58.3	57.3	1.8	3.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	6.4	5.4	6.5	7.6
Freq. (MHz)	137.5	100.0	243.5	237.0
Limit (dB)	12.6	14.0	10.1	10.3

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



Cable ID: 063

Date / Time: 01/09/2023 01:26:03 PM

Headroom 5.0 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

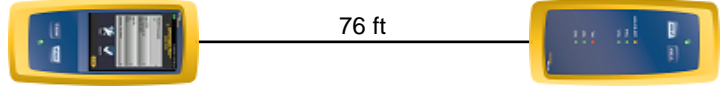
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

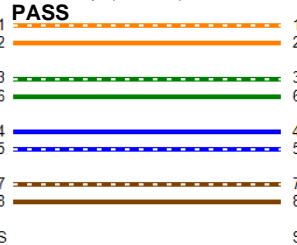
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	76
Prop. Delay (ns), Limit 498	[Pair 78]	119
Delay Skew (ns), Limit 44	[Pair 78]	8
Resistance (ohms)	[Pair 78]	3.90
Insertion Loss Margin (dB)	[Pair 36]	23.7
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	5.7	5.0	5.7	5.0
Freq. (MHz)	250.0	237.5	250.0	237.5
Limit (dB)	35.3	35.7	35.3	35.7
Worst Pair	36	36	36	36
PS NEXT (dB)	7.0	6.3	7.0	6.3
Freq. (MHz)	250.0	237.5	250.0	237.5
Limit (dB)	32.7	33.1	32.7	33.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	20.8	20.7	22.5	22.1
Freq. (MHz)	9.5	9.4	228.0	228.0
Limit (dB)	44.6	44.8	17.0	17.0
Worst Pair	45	45	36	36
PS ACR-F (dB)	19.5	19.5	23.4	22.8
Freq. (MHz)	1.0	1.1	246.5	228.5
Limit (dB)	61.2	60.2	13.4	14.0

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	16.7	17.1	29.4	28.0
Freq. (MHz)	13.4	13.5	250.0	237.5
Limit (dB)	49.4	49.3	4.2	5.5
Worst Pair	12	12	36	36
PS ACR-N (dB)	17.0	17.4	30.7	29.3
Freq. (MHz)	12.8	13.0	250.0	237.5
Limit (dB)	47.5	47.3	1.6	2.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	45	45	45
RL (dB)	6.9	3.4	7.1	3.4
Freq. (MHz)	200.0	215.5	215.5	215.5
Limit (dB)	11.0	10.7	10.7	10.7

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



Cable ID: 064

Date / Time: 01/09/2023 01:26:38 PM

Headroom 4.9 dB (NEXT 36-45)

Test Limit: TIA Cat 6 Perm. Link

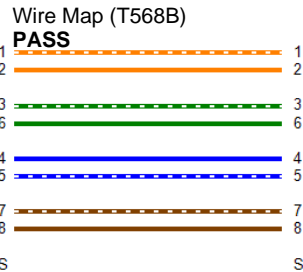
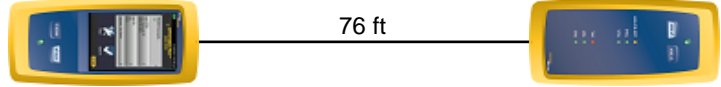
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	76
Prop. Delay (ns), Limit 498	[Pair 78]	118
Delay Skew (ns), Limit 44	[Pair 78]	7
Resistance (ohms)	[Pair 36]	3.86
Insertion Loss Margin (dB)	[Pair 36]	23.0
Frequency (MHz)	[Pair 36]	241.0
Limit (dB)	[Pair 36]	30.4



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	45-78	12-36
NEXT (dB)	4.9	6.5	4.9	6.5
Freq. (MHz)	243.5	250.0	248.0	250.0
Limit (dB)	35.5	35.3	35.4	35.3
Worst Pair	45	36	45	36
PS NEXT (dB)	4.5	7.0	4.5	7.0
Freq. (MHz)	248.0	249.5	248.0	249.5
Limit (dB)	32.8	32.7	32.8	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	78-12	12-78
ACR-F (dB)	17.1	17.0	17.4	17.4
Freq. (MHz)	217.0	224.0	250.0	250.0
Limit (dB)	17.5	17.2	16.2	16.2
Worst Pair	12	12	12	12
PS ACR-F (dB)	17.7	17.4	19.7	19.8
Freq. (MHz)	2.1	1.5	250.0	248.5
Limit (dB)	54.6	57.7	13.2	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	12-36
ACR-N (dB)	15.3	15.4	28.8	30.3
Freq. (MHz)	24.1	3.3	248.0	250.0
Limit (dB)	43.1	61.8	4.4	4.2
Worst Pair	45	45	45	36
PS ACR-N (dB)	16.5	16.5	28.5	30.7
Freq. (MHz)	19.1	24.3	248.0	249.5
Limit (dB)	43.3	40.6	1.8	1.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	78	36
RL (dB)	7.4	6.6	7.9	6.6
Freq. (MHz)	197.0	225.0	225.0	225.0
Limit (dB)	11.1	10.5	10.5	10.5

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



Cable ID: 065

Date / Time: 01/09/2023 01:30:34 PM

Headroom 4.5 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks

Software Version: V6.8 Build 6

Limits Version: V6.2

Calibration Start Date:

Main (Module): 09/30/2022

Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000

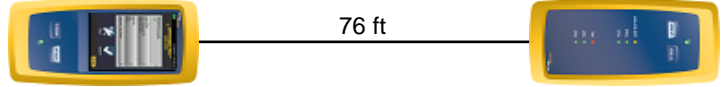
Main S/N: 3788256

Remote S/N: 3587215

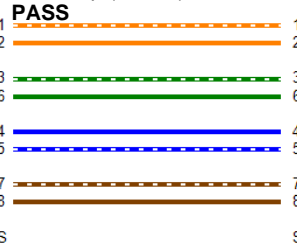
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	76
Prop. Delay (ns), Limit 498	[Pair 78]	118
Delay Skew (ns), Limit 44	[Pair 78]	7
Resistance (ohms)	[Pair 78]	3.87
Insertion Loss Margin (dB)	[Pair 36]	23.8
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	4.5	4.7	4.5	4.7
Freq. (MHz)	242.0	241.5	242.0	241.5
Limit (dB)	35.6	35.6	35.6	35.6
Worst Pair	12	36	36	36
PS NEXT (dB)	6.1	6.0	6.2	6.0
Freq. (MHz)	200.5	241.5	243.0	241.5
Limit (dB)	34.3	33.0	32.9	33.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	36-45	45-36
ACR-F (dB)	15.9	15.9	16.5	16.2
Freq. (MHz)	5.6	5.1	237.5	237.5
Limit (dB)	49.2	50.0	16.7	16.7
Worst Pair	36	36	45	36
PS ACR-F (dB)	16.9	16.9	18.9	18.3
Freq. (MHz)	1.3	1.0	237.5	236.5
Limit (dB)	59.3	61.2	13.7	13.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	12.4	12.9	27.8	27.9
Freq. (MHz)	4.1	4.4	242.0	241.5
Limit (dB)	60.3	59.8	5.0	5.1
Worst Pair	12	12	36	36
PS ACR-N (dB)	14.3	14.8	29.4	29.2
Freq. (MHz)	4.0	4.5	242.0	241.5
Limit (dB)	58.3	57.3	2.4	2.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	5.6	4.2	5.6	4.2
Freq. (MHz)	151.5	152.0	151.5	152.0
Limit (dB)	12.2	12.2	12.2	12.2

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	



Cable ID: 066

Date / Time: 01/09/2023 01:30:51 PM

Headroom 6.4 dB (NEXT 12-78)

Test Limit: TIA Cat 6 Perm. Link

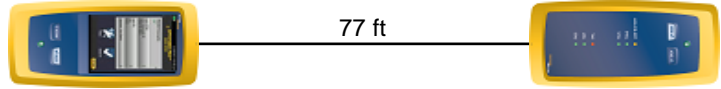
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

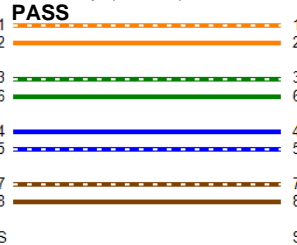
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	77
Prop. Delay (ns), Limit 498	[Pair 78]	120
Delay Skew (ns), Limit 44	[Pair 78]	8
Resistance (ohms)	[Pair 78]	3.94
Insertion Loss Margin (dB)	[Pair 36]	23.4
Frequency (MHz)	[Pair 36]	247.0
Limit (dB)	[Pair 36]	30.9



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-78	36-45	12-78
NEXT (dB)	7.8	6.4	7.8	6.4
Freq. (MHz)	245.5	227.5	245.5	227.5
Limit (dB)	35.5	36.0	35.5	36.0
Worst Pair	36	12	36	12
PS NEXT (dB)	7.1	6.6	7.1	6.6
Freq. (MHz)	241.0	228.0	241.0	228.0
Limit (dB)	33.0	33.4	33.0	33.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	36-45	45-36
ACR-F (dB)	16.5	16.5	18.6	17.5
Freq. (MHz)	5.8	5.8	250.0	234.5
Limit (dB)	49.0	49.0	16.2	16.8
Worst Pair	45	36	45	36
PS ACR-F (dB)	17.1	17.3	20.5	20.0
Freq. (MHz)	1.0	1.0	250.0	234.5
Limit (dB)	61.2	61.2	13.2	13.8

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	36-45	12-78
ACR-N (dB)	17.5	16.5	32.1	28.8
Freq. (MHz)	9.1	9.5	250.0	227.5
Limit (dB)	53.2	52.8	4.2	6.6
Worst Pair	78	78	36	12
PS ACR-N (dB)	18.6	17.5	30.3	29.1
Freq. (MHz)	9.0	9.5	241.0	228.0
Limit (dB)	51.0	50.4	2.5	3.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	6.8	6.2	6.8	6.2
Freq. (MHz)	213.0	195.5	213.0	195.5
Limit (dB)	10.7	11.1	10.7	11.1

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



Cable ID: 067

Date / Time: 01/09/2023 01:31:10 PM

Headroom 3.6 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

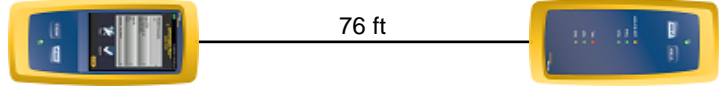
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

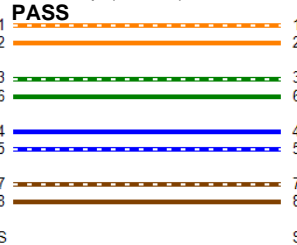
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	76
Prop. Delay (ns), Limit 498	[Pair 78]	119
Delay Skew (ns), Limit 44	[Pair 78]	8
Resistance (ohms)	[Pair 36]	3.90
Insertion Loss Margin (dB)	[Pair 36]	23.7
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	3.7	3.6	3.7	3.6
Freq. (MHz)	236.5	244.5	236.5	244.5
Limit (dB)	35.7	35.5	35.7	35.5
Worst Pair	36	12	36	12
PS NEXT (dB)	5.1	5.4	5.1	5.4
Freq. (MHz)	237.0	245.0	237.0	245.0
Limit (dB)	33.1	32.9	33.1	32.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	15.7	15.7	16.0	16.4
Freq. (MHz)	204.0	204.0	245.0	245.0
Limit (dB)	18.0	18.0	16.4	16.4
Worst Pair	45	45	45	45
PS ACR-F (dB)	17.1	17.1	18.6	18.1
Freq. (MHz)	1.0	1.1	250.0	245.0
Limit (dB)	61.2	60.2	13.2	13.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	45-78	12-36	12-36
ACR-N (dB)	14.0	13.9	26.6	26.9
Freq. (MHz)	48.8	26.0	236.5	244.5
Limit (dB)	34.3	42.2	5.6	4.8
Worst Pair	12	12	36	12
PS ACR-N (dB)	14.6	15.0	28.1	29.1
Freq. (MHz)	4.1	4.0	237.0	245.0
Limit (dB)	58.0	58.3	2.9	2.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	5.4	4.4	5.7	4.4
Freq. (MHz)	200.5	222.5	214.5	222.5
Limit (dB)	11.0	10.5	10.7	10.5

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



Cable ID: 068

Date / Time: 01/09/2023 01:31:53 PM

Headroom 4.4 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks

Software Version: V6.8 Build 6

Limits Version: V6.2

Calibration Start Date:

Main (Module): 09/30/2022

Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000

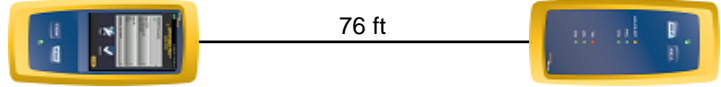
Main S/N: 3788256

Remote S/N: 3587215

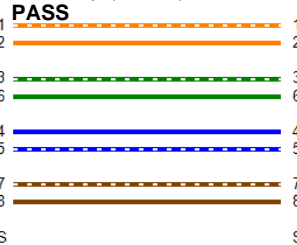
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	76
Prop. Delay (ns), Limit 498	[Pair 78]	119
Delay Skew (ns), Limit 44	[Pair 78]	8
Resistance (ohms)	[Pair 36]	3.90
Insertion Loss Margin (dB)	[Pair 36]	23.4
Frequency (MHz)	[Pair 36]	245.5
Limit (dB)	[Pair 36]	30.8



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	4.4	5.6	4.4	5.6
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	35.3	35.3	35.3	35.3
Worst Pair	36	36	36	36
PS NEXT (dB)	5.5	6.9	5.5	6.9
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	32.7	32.7	32.7	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	45-36
ACR-F (dB)	15.4	15.4	16.6	16.5
Freq. (MHz)	5.8	5.8	247.0	247.0
Limit (dB)	49.0	49.0	16.3	16.3
Worst Pair	45	45	45	36
PS ACR-F (dB)	16.3	16.4	19.0	18.6
Freq. (MHz)	1.1	1.0	246.0	247.0
Limit (dB)	60.2	61.2	13.4	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	45-78	12-36	12-36
ACR-N (dB)	15.4	15.3	28.2	29.4
Freq. (MHz)	5.8	3.9	250.0	250.0
Limit (dB)	57.4	60.8	4.2	4.2
Worst Pair	36	78	36	36
PS ACR-N (dB)	15.6	15.3	29.3	30.7
Freq. (MHz)	5.0	4.0	250.0	250.0
Limit (dB)	56.3	58.3	1.6	1.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	5.9	2.6	5.9	2.6
Freq. (MHz)	210.5	205.0	210.5	205.0
Limit (dB)	10.8	10.9	10.8	10.9

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	


Cable ID: 069

Date / Time: 01/09/2023 01:36:27 PM

Headroom 1.1 dB (NEXT 12-36)
Test Limit: TIA Cat 6 Perm. Link

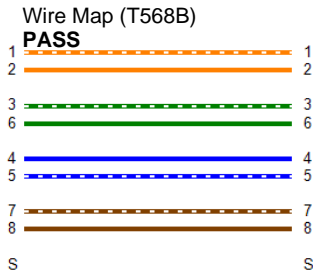
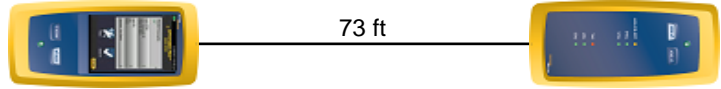
 Cable Type: DataTwist 2412, 24 CMR/NH
 NVP: 70.0%

 Operator: Lynch Networks
 Software Version: V6.8 Build 6
 Limits Version: V6.2
 Calibration Start Date:
 Main (Module): 09/30/2022
 Remote (Module): 09/30/2022

Test Summary: PASS

 Model: DSX-8000
 Main S/N: 3788256
 Remote S/N: 3587215
 Main Adapter: DSX-PLA004
 Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	73
Prop. Delay (ns), Limit 498	[Pair 78]	113
Delay Skew (ns), Limit 44	[Pair 78]	7
Resistance (ohms)	[Pair 78]	3.76
Insertion Loss Margin (dB)	[Pair 36]	23.5
Frequency (MHz)	[Pair 36]	243.0
Limit (dB)	[Pair 36]	30.6


Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-45	12-36
NEXT (dB)	1.3	1.1	1.3	1.2
Freq. (MHz)	246.0	242.5	246.0	243.0
Limit (dB)	35.5	35.6	35.5	35.5
Worst Pair	45	36	45	36
PS NEXT (dB)	2.4	2.3	2.4	2.3
Freq. (MHz)	245.5	236.0	245.5	236.0
Limit (dB)	32.8	33.1	32.8	33.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	45-36	36-45	45-36
ACR-F (dB)	15.7	15.7	16.0	15.8
Freq. (MHz)	180.0	170.0	245.0	245.0
Limit (dB)	19.1	19.6	16.4	16.4
Worst Pair	36	36	45	36
PS ACR-F (dB)	17.0	16.8	18.2	18.5
Freq. (MHz)	1.0	1.0	245.0	245.0
Limit (dB)	61.2	61.2	13.4	13.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-36
ACR-N (dB)	11.9	11.4	25.5	24.7
Freq. (MHz)	16.1	16.1	246.0	243.0
Limit (dB)	47.5	47.5	4.6	4.9
Worst Pair	12	12	45	36
PS ACR-N (dB)	11.8	12.4	26.4	26.1
Freq. (MHz)	15.9	16.3	245.5	242.0
Limit (dB)	45.3	45.0	2.1	2.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	5.1	3.8	7.3	3.8
Freq. (MHz)	61.3	235.0	234.5	235.0
Limit (dB)	16.1	10.3	10.3	10.3

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



Cable ID: 070

Date / Time: 01/09/2023 01:36:44 PM

Headroom 3.6 dB (NEXT 12-45)

Test Limit: TIA Cat 6 Perm. Link

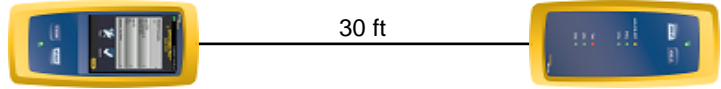
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

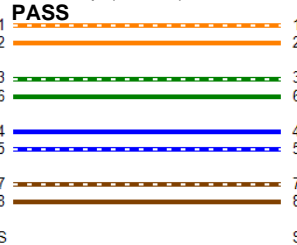
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	30
Prop. Delay (ns), Limit 498	[Pair 78]	46
Delay Skew (ns), Limit 44	[Pair 12]	3
Resistance (ohms)	[Pair 78]	1.75
Insertion Loss Margin (dB)	[Pair 36]	27.6
Frequency (MHz)	[Pair 36]	246.0
Limit (dB)	[Pair 36]	30.8



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-78	12-36	12-36
NEXT (dB)	3.6	4.7	4.7	4.9
Freq. (MHz)	195.5	102.5	245.0	246.0
Limit (dB)	37.1	41.7	35.5	35.5
Worst Pair	45	45	45	45
PS NEXT (dB)	4.1	5.1	4.1	5.1
Freq. (MHz)	242.5	241.5	242.5	241.5
Limit (dB)	32.9	33.0	32.9	33.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	36-45	45-36
ACR-F (dB)	18.4	18.4	18.8	18.5
Freq. (MHz)	6.4	6.4	249.5	249.0
Limit (dB)	48.1	48.1	16.2	16.3
Worst Pair	45	45	45	36
PS ACR-F (dB)	17.6	17.7	20.9	21.1
Freq. (MHz)	1.0	1.1	248.5	249.0
Limit (dB)	61.2	60.2	13.3	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-36	12-36
ACR-N (dB)	15.2	15.9	32.4	32.6
Freq. (MHz)	6.5	5.8	245.0	246.0
Limit (dB)	56.3	57.4	4.7	4.6
Worst Pair	12	12	45	45
PS ACR-N (dB)	15.5	15.6	31.7	32.7
Freq. (MHz)	9.9	5.0	242.5	241.5
Limit (dB)	50.1	56.3	2.4	2.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	45	45
RL (dB)	5.5	6.1	4.6	3.6
Freq. (MHz)	217.5	216.5	225.5	225.0
Limit (dB)	10.6	10.6	10.5	10.5

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



Cable ID: 071

Date / Time: 01/09/2023 01:47:44 PM

Headroom 3.7 dB (NEXT 36-45)

Test Limit: TIA Cat 6 Perm. Link

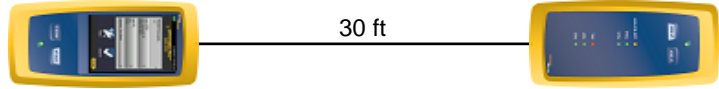
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

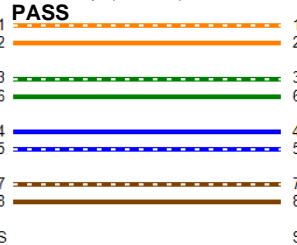
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	30
Prop. Delay (ns), Limit 498	[Pair 78]	47
Delay Skew (ns), Limit 44	[Pair 12]	3
Resistance (ohms)	[Pair 36]	5.44
Insertion Loss Margin (dB)	[Pair 36]	27.9
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-45	12-36
NEXT (dB)	3.7	4.2	3.7	4.2
Freq. (MHz)	237.5	240.0	237.5	240.0
Limit (dB)	35.7	35.6	35.7	35.6
Worst Pair	36	36	36	36
PS NEXT (dB)	3.9	4.7	4.0	4.7
Freq. (MHz)	238.0	239.0	239.0	239.0
Limit (dB)	33.1	33.0	33.0	33.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	78-12	12-78	78-12	12-78
ACR-F (dB)	20.7	20.6	21.2	21.2
Freq. (MHz)	209.5	174.5	250.0	250.0
Limit (dB)	17.8	19.4	16.2	16.2
Worst Pair	45	36	78	78
PS ACR-F (dB)	19.7	19.5	22.3	22.5
Freq. (MHz)	1.0	1.1	245.5	250.0
Limit (dB)	61.2	60.2	13.4	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	36-45	12-36
ACR-N (dB)	16.7	17.0	31.0	31.3
Freq. (MHz)	4.4	3.6	237.5	240.0
Limit (dB)	59.8	61.4	5.5	5.3
Worst Pair	36	36	36	36
PS ACR-N (dB)	15.8	15.4	31.1	31.8
Freq. (MHz)	6.4	7.0	239.0	239.0
Limit (dB)	54.2	53.3	2.7	2.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	5.6	5.1	5.6	5.1
Freq. (MHz)	248.0	249.5	248.0	249.5
Limit (dB)	10.1	10.0	10.1	10.0

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



Cable ID: 072

Date / Time: 01/09/2023 01:49:00 PM

Headroom **3.9 dB (NEXT 36-45)**

Test Limit: TIA Cat 6 Perm. Link

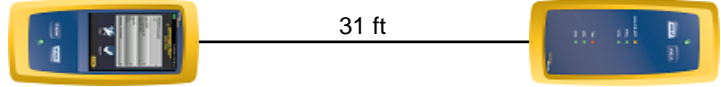
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

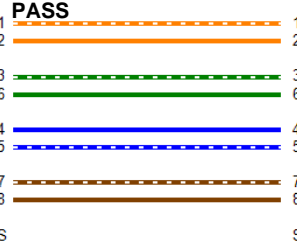
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	31
Prop. Delay (ns), Limit 498	[Pair 78]	48
Delay Skew (ns), Limit 44	[Pair 78]	3
Resistance (ohms)	[Pair 78]	1.75
Insertion Loss Margin (dB)	[Pair 36]	27.7
Frequency (MHz)	[Pair 36]	248.5
Limit (dB)	[Pair 36]	31.0



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-45	12-36
NEXT (dB)	3.9	4.3	3.9	4.3
Freq. (MHz)	243.0	247.0	243.0	247.0
Limit (dB)	35.5	35.4	35.5	35.4
Worst Pair	45	36	45	36
PS NEXT (dB)	5.3	5.3	5.3	5.3
Freq. (MHz)	243.0	245.5	243.0	245.5
Limit (dB)	32.9	32.8	32.9	32.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	19.3	19.1	19.3	19.1
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	16.2	16.2	16.2	16.2
Worst Pair	36	36	45	36
PS ACR-F (dB)	19.4	19.0	21.2	21.1
Freq. (MHz)	1.0	1.0	250.0	249.5
Limit (dB)	61.2	61.2	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-36
ACR-N (dB)	14.7	15.3	31.5	31.9
Freq. (MHz)	3.4	3.5	243.0	247.0
Limit (dB)	61.8	61.7	4.9	4.5
Worst Pair	12	12	45	36
PS ACR-N (dB)	16.5	16.6	32.9	32.7
Freq. (MHz)	4.0	4.0	243.0	245.5
Limit (dB)	58.3	58.3	2.3	2.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	3.9	3.9	3.9	3.9
Freq. (MHz)	216.0	216.0	216.0	216.0
Limit (dB)	10.7	10.7	10.7	10.7

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



Cable ID: 073

Date / Time: 01/09/2023 01:55:35 PM

Headroom 3.7 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

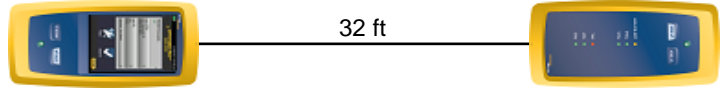
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

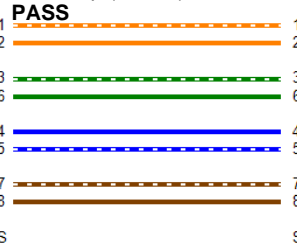
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	32
Prop. Delay (ns), Limit 498	[Pair 78]	50
Delay Skew (ns), Limit 44	[Pair 12]	3
Resistance (ohms)	[Pair 36]	1.92
Insertion Loss Margin (dB)	[Pair 36]	27.6
Frequency (MHz)	[Pair 36]	248.5
Limit (dB)	[Pair 36]	31.0



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-36	12-45	12-36
NEXT (dB)	3.9	3.7	4.0	3.8
Freq. (MHz)	239.0	225.5	240.0	247.0
Limit (dB)	35.7	36.1	35.6	35.4
Worst Pair	45	12	45	12
PS NEXT (dB)	3.5	5.4	3.6	5.4
Freq. (MHz)	241.5	237.0	242.0	237.0
Limit (dB)	33.0	33.1	32.9	33.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
ACR-F (dB)	18.3	18.3	18.9	19.0
Freq. (MHz)	6.5	6.6	250.0	250.0
Limit (dB)	47.9	47.8	16.2	16.2
Worst Pair	36	36	36	45
PS ACR-F (dB)	17.8	17.7	20.7	20.7
Freq. (MHz)	1.0	1.0	250.0	250.0
Limit (dB)	61.2	61.2	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-36
ACR-N (dB)	16.1	16.5	31.2	31.3
Freq. (MHz)	4.6	6.9	240.0	247.0
Limit (dB)	59.3	55.8	5.3	4.5
Worst Pair	12	12	45	12
PS ACR-N (dB)	16.2	17.1	31.0	32.5
Freq. (MHz)	9.9	10.6	242.0	237.0
Limit (dB)	50.1	49.3	2.4	2.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	78	45	78
RL (dB)	4.3	4.1	4.8	4.2
Freq. (MHz)	190.0	237.0	218.5	237.5
Limit (dB)	11.2	10.3	10.6	10.2

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



Cable ID: 074

Date / Time: 01/09/2023 02:00:11 PM

Headroom 3.6 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

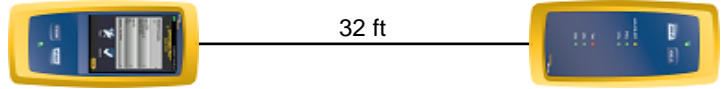
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

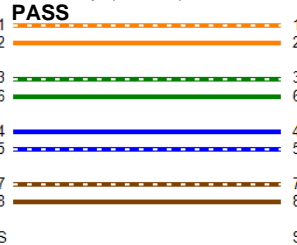
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	32
Prop. Delay (ns), Limit 498	[Pair 78]	50
Delay Skew (ns), Limit 44	[Pair 12]	3
Resistance (ohms)	[Pair 36]	1.89
Insertion Loss Margin (dB)	[Pair 36]	27.6
Frequency (MHz)	[Pair 36]	248.5
Limit (dB)	[Pair 36]	31.0



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-36	12-45	12-36
NEXT (dB)	3.9	3.6	4.0	3.8
Freq. (MHz)	239.0	225.0	240.0	247.0
Limit (dB)	35.7	36.1	35.6	35.4
Worst Pair	45	12	45	12
PS NEXT (dB)	3.5	5.3	3.5	5.3
Freq. (MHz)	241.5	237.0	241.5	237.0
Limit (dB)	33.0	33.1	33.0	33.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
ACR-F (dB)	18.2	18.2	18.6	18.7
Freq. (MHz)	6.3	6.3	241.5	241.5
Limit (dB)	48.3	48.3	16.5	16.5
Worst Pair	45	36	36	45
PS ACR-F (dB)	17.7	17.9	20.7	20.9
Freq. (MHz)	1.0	1.0	250.0	250.0
Limit (dB)	61.2	61.2	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-36
ACR-N (dB)	16.2	16.5	31.2	31.3
Freq. (MHz)	4.6	6.8	240.0	247.0
Limit (dB)	59.3	56.0	5.3	4.5
Worst Pair	12	12	45	12
PS ACR-N (dB)	16.4	17.0	30.9	32.4
Freq. (MHz)	10.4	10.1	241.5	237.0
Limit (dB)	49.6	49.8	2.5	2.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	78	45	78
RL (dB)	4.2	4.1	4.8	4.1
Freq. (MHz)	190.0	237.5	218.0	237.5
Limit (dB)	11.2	10.2	10.6	10.2

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



Cable ID: 075

Date / Time: 01/09/2023 02:00:27 PM

Headroom 3.6 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

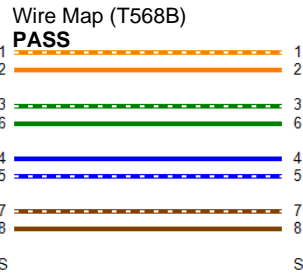
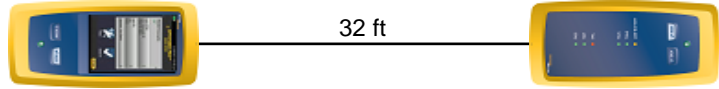
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	32
Prop. Delay (ns), Limit 498	[Pair 78]	50
Delay Skew (ns), Limit 44	[Pair 12]	3
Resistance (ohms)	[Pair 36]	1.89
Insertion Loss Margin (dB)	[Pair 36]	27.6
Frequency (MHz)	[Pair 36]	248.5
Limit (dB)	[Pair 36]	31.0



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-45	12-36
NEXT (dB)	3.9	3.6	4.0	3.8
Freq. (MHz)	224.5	225.0	240.0	247.0
Limit (dB)	36.1	36.1	35.6	35.4
Worst Pair	45	12	45	12
PS NEXT (dB)	3.5	5.3	3.5	5.3
Freq. (MHz)	241.5	237.0	241.5	237.0
Limit (dB)	33.0	33.1	33.0	33.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	45-36	45-36	36-45
ACR-F (dB)	18.2	18.2	19.0	18.8
Freq. (MHz)	6.3	6.3	250.0	242.0
Limit (dB)	48.3	48.3	16.2	16.5
Worst Pair	36	45	36	45
PS ACR-F (dB)	18.0	17.9	20.7	20.9
Freq. (MHz)	1.0	1.0	250.0	250.0
Limit (dB)	61.2	61.2	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-36
ACR-N (dB)	16.3	16.5	31.2	31.3
Freq. (MHz)	4.5	6.6	240.0	247.0
Limit (dB)	59.5	56.1	5.3	4.5
Worst Pair	12	12	45	12
PS ACR-N (dB)	16.3	17.0	30.9	32.4
Freq. (MHz)	10.1	9.4	241.5	237.0
Limit (dB)	49.8	50.6	2.5	2.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	78	45	78
RL (dB)	4.2	4.1	4.8	4.1
Freq. (MHz)	190.0	237.5	218.0	237.5
Limit (dB)	11.2	10.2	10.6	10.2

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



Cable ID: 076

Date / Time: 01/09/2023 02:01:03 PM

Headroom **4.8 dB (NEXT 12-45)**

Test Limit: TIA Cat 6 Perm. Link

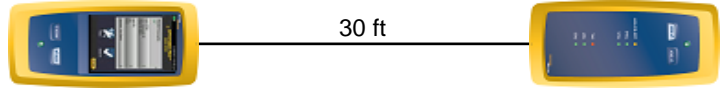
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

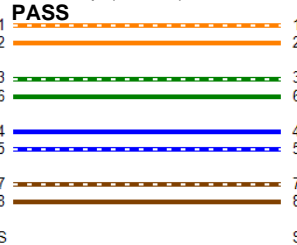
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	30
Prop. Delay (ns), Limit 498	[Pair 78]	47
Delay Skew (ns), Limit 44	[Pair 12]	3
Resistance (ohms)	[Pair 36]	1.82
Insertion Loss Margin (dB)	[Pair 36]	27.8
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-36	12-45	12-36
NEXT (dB)	4.8	5.2	5.1	5.2
Freq. (MHz)	191.5	241.0	214.0	241.0
Limit (dB)	37.2	35.6	36.4	35.6
Worst Pair	12	12	12	36
PS NEXT (dB)	5.3	6.0	5.3	6.4
Freq. (MHz)	226.5	216.0	226.5	244.0
Limit (dB)	33.4	33.8	33.4	32.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	45-36	36-45
ACR-F (dB)	16.4	16.5	17.4	17.7
Freq. (MHz)	207.0	5.4	250.0	250.0
Limit (dB)	17.9	49.6	16.2	16.2
Worst Pair	45	36	36	45
PS ACR-F (dB)	17.4	17.2	20.1	20.3
Freq. (MHz)	1.0	1.1	250.0	250.0
Limit (dB)	61.2	60.2	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	17.9	18.8	33.4	32.4
Freq. (MHz)	9.9	7.8	240.5	241.0
Limit (dB)	52.4	54.7	5.2	5.1
Worst Pair	45	45	12	36
PS ACR-N (dB)	18.6	18.3	31.9	33.9
Freq. (MHz)	17.1	16.5	226.5	244.0
Limit (dB)	44.5	44.9	4.0	2.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	2.1	2.0	2.1	2.0
Freq. (MHz)	210.0	209.5	210.0	209.5
Limit (dB)	10.8	10.8	10.8	10.8

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



Cable ID: 077

Date / Time: 01/09/2023 04:28:29 PM

Headroom 3.2 dB (NEXT 12-45)

Test Limit: TIA Cat 6 Perm. Link

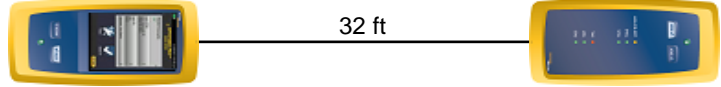
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

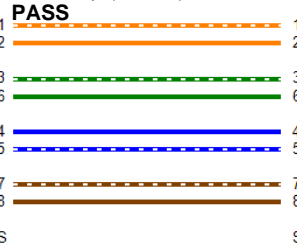
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	32
Prop. Delay (ns), Limit 498	[Pair 78]	50
Delay Skew (ns), Limit 44	[Pair 12]	3
Resistance (ohms)	[Pair 36]	1.89
Insertion Loss Margin (dB)	[Pair 36]	27.6
Frequency (MHz)	[Pair 36]	248.0
Limit (dB)	[Pair 36]	31.0



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-36	12-45	12-36
NEXT (dB)	3.2	4.7	3.2	4.7
Freq. (MHz)	239.0	246.5	239.0	246.5
Limit (dB)	35.7	35.4	35.7	35.4
Worst Pair	45	12	45	12
PS NEXT (dB)	3.6	5.5	3.6	5.5
Freq. (MHz)	241.5	237.0	241.5	237.0
Limit (dB)	33.0	33.1	33.0	33.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
ACR-F (dB)	18.2	18.2	18.6	18.7
Freq. (MHz)	6.8	6.8	242.0	242.0
Limit (dB)	47.6	47.6	16.5	16.5
Worst Pair	45	45	36	45
PS ACR-F (dB)	17.6	17.8	20.9	20.7
Freq. (MHz)	1.0	1.1	250.0	250.0
Limit (dB)	61.2	60.2	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-45	12-36
ACR-N (dB)	16.0	16.1	30.4	32.1
Freq. (MHz)	9.9	10.8	239.0	246.5
Limit (dB)	52.4	51.6	5.4	4.6
Worst Pair	12	12	45	12
PS ACR-N (dB)	15.5	15.8	31.0	32.6
Freq. (MHz)	10.1	10.8	241.5	237.0
Limit (dB)	49.8	49.2	2.5	2.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	4.3	4.0	4.3	4.0
Freq. (MHz)	189.5	189.5	189.5	189.5
Limit (dB)	11.2	11.2	11.2	11.2

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



Cable ID: 078

Date / Time: 01/09/2023 02:30:26 PM

Headroom 3.0 dB (NEXT 45-78)

Test Limit: TIA Cat 6 Perm. Link

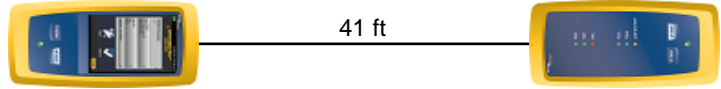
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

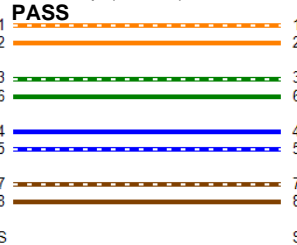
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	41
Prop. Delay (ns), Limit 498	[Pair 78]	63
Delay Skew (ns), Limit 44	[Pair 78]	4
Resistance (ohms)	[Pair 36]	2.25
Insertion Loss Margin (dB)	[Pair 36]	26.4
Frequency (MHz)	[Pair 36]	243.5
Limit (dB)	[Pair 36]	30.6



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	36-45
NEXT (dB)	3.0	6.5	4.3	7.1
Freq. (MHz)	195.5	84.0	239.0	238.5
Limit (dB)	37.1	43.1	35.7	35.7
Worst Pair	45	45	45	45
PS NEXT (dB)	4.5	7.1	4.6	7.1
Freq. (MHz)	238.0	238.0	238.5	238.0
Limit (dB)	33.1	33.1	33.0	33.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-12	78-12	12-36
ACR-F (dB)	18.0	18.0	21.1	21.1
Freq. (MHz)	6.3	6.3	250.0	250.0
Limit (dB)	48.3	48.3	16.2	16.2
Worst Pair	12	12	12	12
PS ACR-F (dB)	18.3	17.9	21.0	21.9
Freq. (MHz)	1.3	1.1	250.0	250.0
Limit (dB)	59.3	60.2	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	36-45
ACR-N (dB)	13.1	14.6	30.7	33.7
Freq. (MHz)	15.3	14.4	239.0	238.5
Limit (dB)	48.1	48.7	5.4	5.4
Worst Pair	78	78	45	45
PS ACR-N (dB)	14.9	16.4	31.1	33.7
Freq. (MHz)	15.5	15.4	238.5	238.0
Limit (dB)	45.5	45.6	2.8	2.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	78	36	78
RL (dB)	6.8	6.7	7.6	6.7
Freq. (MHz)	167.5	217.0	246.5	217.0
Limit (dB)	11.8	10.6	10.1	10.6

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



Cable ID: 079

Date / Time: 01/09/2023 03:04:43 PM

Headroom 2.5 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

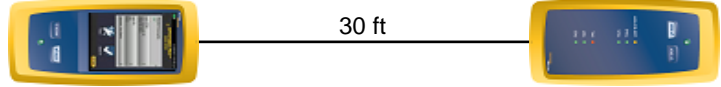
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

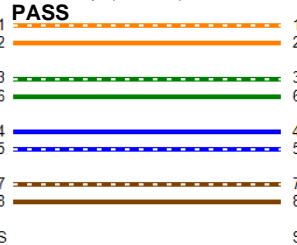
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	30
Prop. Delay (ns), Limit 498	[Pair 78]	46
Delay Skew (ns), Limit 44	[Pair 12]	3
Resistance (ohms)	[Pair 78]	1.75
Insertion Loss Margin (dB)	[Pair 36]	27.6
Frequency (MHz)	[Pair 36]	245.0
Limit (dB)	[Pair 36]	30.7



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	2.5	5.3	2.6	5.3
Freq. (MHz)	242.5	247.0	243.0	247.0
Limit (dB)	35.6	35.4	35.5	35.4
Worst Pair	36	36	36	36
PS NEXT (dB)	3.9	6.0	3.9	6.0
Freq. (MHz)	250.0	248.0	250.0	248.0
Limit (dB)	32.7	32.8	32.7	32.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	15.2	15.1	15.2	15.1
Freq. (MHz)	249.0	249.0	249.0	249.0
Limit (dB)	16.3	16.3	16.3	16.3
Worst Pair	45	36	45	36
PS ACR-F (dB)	17.0	17.1	18.1	17.7
Freq. (MHz)	1.1	1.0	249.0	249.0
Limit (dB)	60.2	61.2	13.3	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	15.9	15.3	30.1	33.2
Freq. (MHz)	16.9	16.0	243.0	247.0
Limit (dB)	47.0	47.6	4.9	4.5
Worst Pair	12	36	36	36
PS ACR-N (dB)	17.7	17.2	32.0	34.0
Freq. (MHz)	17.1	16.0	250.0	248.0
Limit (dB)	44.5	45.2	1.6	1.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	78	45	45
RL (dB)	5.4	6.5	4.3	5.0
Freq. (MHz)	238.0	235.5	213.0	213.5
Limit (dB)	10.2	10.3	10.7	10.7

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



Cable ID: 080

Date / Time: 01/09/2023 04:22:07 PM

Headroom 3.4 dB (NEXT 12-45)

Test Limit: TIA Cat 6 Perm. Link

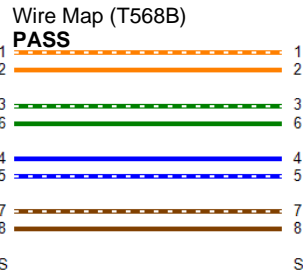
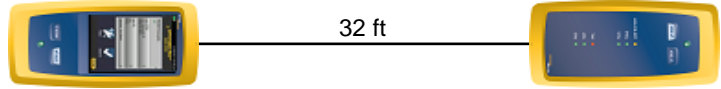
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	32
Prop. Delay (ns), Limit 498	[Pair 78]	50
Delay Skew (ns), Limit 44	[Pair 12]	3
Resistance (ohms)	[Pair 12]	4.15
Insertion Loss Margin (dB)	[Pair 36]	26.7
Frequency (MHz)	[Pair 36]	236.0
Limit (dB)	[Pair 36]	30.1



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-36	12-45	12-36
NEXT (dB)	3.4	5.7	3.5	5.7
Freq. (MHz)	239.0	246.5	239.5	246.5
Limit (dB)	35.7	35.4	35.6	35.4
Worst Pair	45	12	45	12
PS NEXT (dB)	3.3	6.6	3.3	6.6
Freq. (MHz)	241.5	237.5	241.5	237.5
Limit (dB)	33.0	33.1	33.0	33.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
ACR-F (dB)	17.6	17.6	18.6	18.7
Freq. (MHz)	6.6	6.6	250.0	250.0
Limit (dB)	47.8	47.8	16.2	16.2
Worst Pair	45	36	36	45
PS ACR-F (dB)	17.5	17.4	20.4	20.4
Freq. (MHz)	1.0	1.0	249.0	250.0
Limit (dB)	61.2	61.2	13.3	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-36
ACR-N (dB)	14.8	15.0	30.7	33.2
Freq. (MHz)	4.8	6.8	239.5	246.5
Limit (dB)	59.1	56.0	5.3	4.6
Worst Pair	12	12	45	12
PS ACR-N (dB)	15.4	16.6	30.7	33.6
Freq. (MHz)	9.9	8.3	241.5	237.5
Limit (dB)	50.1	51.8	2.5	2.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	78
RL (dB)	3.1	2.3	3.1	3.2
Freq. (MHz)	190.5	191.0	190.5	237.5
Limit (dB)	11.2	11.2	11.2	10.2

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



Cable ID: 081

Date / Time: 01/09/2023 04:21:49 PM

Headroom 3.4 dB (NEXT 12-45)

Test Limit: TIA Cat 6 Perm. Link

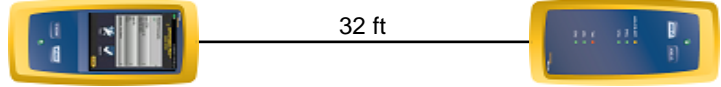
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

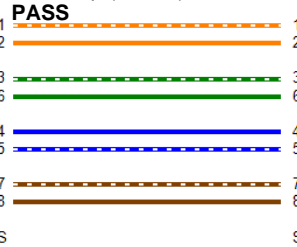
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	32
Prop. Delay (ns), Limit 498	[Pair 78]	50
Delay Skew (ns), Limit 44	[Pair 12]	3
Resistance (ohms)	[Pair 12]	4.18
Insertion Loss Margin (dB)	[Pair 36]	26.7
Frequency (MHz)	[Pair 36]	236.0
Limit (dB)	[Pair 36]	30.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-36	12-45	12-36
NEXT (dB)	3.4	5.7	3.5	5.7
Freq. (MHz)	239.0	246.5	239.5	246.5
Limit (dB)	35.7	35.4	35.6	35.4
Worst Pair	45	12	45	12
PS NEXT (dB)	3.3	6.6	3.3	6.6
Freq. (MHz)	241.5	237.5	241.5	237.5
Limit (dB)	33.0	33.1	33.0	33.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
ACR-F (dB)	17.6	17.6	18.6	18.7
Freq. (MHz)	5.9	6.8	250.0	250.0
Limit (dB)	48.8	47.6	16.2	16.2
Worst Pair	45	36	36	45
PS ACR-F (dB)	17.5	17.4	20.4	20.4
Freq. (MHz)	1.0	1.0	249.0	250.0
Limit (dB)	61.2	61.2	13.3	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-36
ACR-N (dB)	14.6	15.0	30.7	33.2
Freq. (MHz)	4.8	5.1	239.5	246.5
Limit (dB)	59.1	58.4	5.3	4.6
Worst Pair	12	12	45	12
PS ACR-N (dB)	15.4	16.7	30.7	33.6
Freq. (MHz)	9.4	9.4	241.5	237.5
Limit (dB)	50.6	50.6	2.5	2.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	3.1	2.3	3.1	2.3
Freq. (MHz)	190.5	190.5	190.5	190.5
Limit (dB)	11.2	11.2	11.2	11.2

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



Cable ID: 082

Date / Time: 01/09/2023 03:12:53 PM

Headroom 3.7 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

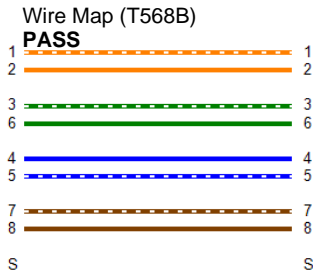
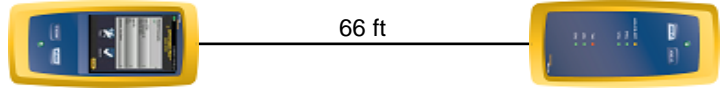
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	66
Prop. Delay (ns), Limit 498	[Pair 78]	103
Delay Skew (ns), Limit 44	[Pair 78]	7
Resistance (ohms)	[Pair 36]	3.43
Insertion Loss Margin (dB)	[Pair 36]	24.7
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	36-45
NEXT (dB)	3.7	6.8	3.8	6.9
Freq. (MHz)	228.0	181.0	241.5	243.5
Limit (dB)	36.0	37.6	35.6	35.5
Worst Pair	36	36	36	45
PS NEXT (dB)	4.6	6.5	4.6	7.5
Freq. (MHz)	241.5	180.5	241.5	243.5
Limit (dB)	33.0	35.1	33.0	32.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	20.0	20.4	20.0	20.4
Freq. (MHz)	239.5	240.0	239.5	240.0
Limit (dB)	16.6	16.6	16.6	16.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	19.5	19.2	21.5	22.7
Freq. (MHz)	1.4	1.0	242.0	250.0
Limit (dB)	58.4	61.2	13.5	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	36-45
ACR-N (dB)	15.2	17.2	28.0	31.3
Freq. (MHz)	32.0	14.3	241.5	243.5
Limit (dB)	39.7	48.8	5.1	4.9
Worst Pair	12	12	36	36
PS ACR-N (dB)	16.6	17.4	28.8	31.9
Freq. (MHz)	4.5	4.5	241.5	243.5
Limit (dB)	57.3	57.3	2.5	2.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	4.6	4.9	4.6	5.3
Freq. (MHz)	211.0	163.0	211.0	211.0
Limit (dB)	10.8	11.9	10.8	10.8

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



Cable ID: 083

Date / Time: 01/09/2023 03:15:50 PM

Headroom 1.6 dB (NEXT 36-45)

Test Limit: TIA Cat 6 Perm. Link

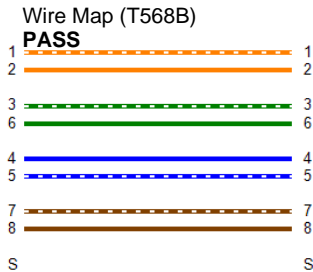
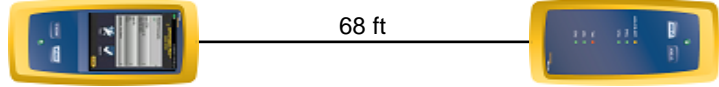
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	68
Prop. Delay (ns), Limit 498	[Pair 78]	106
Delay Skew (ns), Limit 44	[Pair 78]	7
Resistance (ohms)	[Pair 78]	3.51
Insertion Loss Margin (dB)	[Pair 36]	24.3
Frequency (MHz)	[Pair 36]	249.0
Limit (dB)	[Pair 36]	31.0



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	12-36
NEXT (dB)	1.6	5.0	1.6	5.4
Freq. (MHz)	247.0	191.0	247.0	241.5
Limit (dB)	35.4	37.3	35.4	35.6
Worst Pair	36	36	36	36
PS NEXT (dB)	2.8	4.7	2.8	4.7
Freq. (MHz)	246.5	237.0	246.5	237.0
Limit (dB)	32.8	33.1	32.8	33.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	45-36
ACR-F (dB)	18.5	18.5	18.7	18.7
Freq. (MHz)	7.3	7.0	249.0	244.5
Limit (dB)	47.0	47.3	16.3	16.4
Worst Pair	45	45	36	36
PS ACR-F (dB)	17.6	17.5	20.8	21.1
Freq. (MHz)	1.0	1.1	247.5	244.5
Limit (dB)	61.2	60.2	13.3	13.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	45-78	36-45	12-36
ACR-N (dB)	14.5	14.9	26.1	29.3
Freq. (MHz)	9.6	4.8	247.0	241.5
Limit (dB)	52.7	59.1	4.5	5.1
Worst Pair	45	45	36	36
PS ACR-N (dB)	14.8	15.2	27.0	28.3
Freq. (MHz)	5.6	15.1	246.5	237.0
Limit (dB)	55.3	45.8	2.0	2.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	36	45
RL (dB)	5.3	6.2	5.4	6.9
Freq. (MHz)	107.5	164.0	170.0	211.0
Limit (dB)	13.7	11.9	11.7	10.8

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



Cable ID: 084

Date / Time: 01/09/2023 03:17:42 PM

Headroom 4.5 dB (NEXT 36-45)

Test Limit: TIA Cat 6 Perm. Link

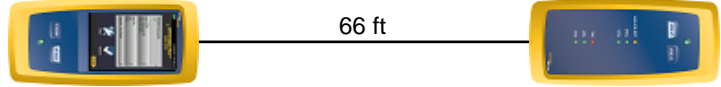
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

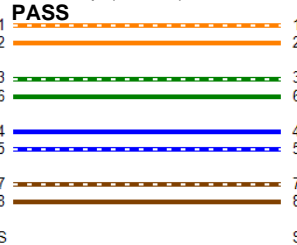
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	66
Prop. Delay (ns), Limit 498	[Pair 78]	103
Delay Skew (ns), Limit 44	[Pair 78]	7
Resistance (ohms)	[Pair 78]	3.40
Insertion Loss Margin (dB)	[Pair 36]	24.7
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-45	36-45
NEXT (dB)	4.5	5.7	4.5	6.3
Freq. (MHz)	249.5	185.5	249.5	249.5
Limit (dB)	35.4	37.5	35.4	35.4
Worst Pair	36	36	36	36
PS NEXT (dB)	5.5	6.1	5.6	6.6
Freq. (MHz)	243.0	185.5	249.0	249.0
Limit (dB)	32.9	34.9	32.7	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	12-78
ACR-F (dB)	16.9	16.9	18.4	18.3
Freq. (MHz)	18.9	9.4	248.5	248.5
Limit (dB)	38.7	44.8	16.3	16.3
Worst Pair	12	12	12	12
PS ACR-F (dB)	18.4	18.2	19.5	19.3
Freq. (MHz)	1.4	1.1	248.5	248.5
Limit (dB)	58.4	60.2	13.3	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	36-45
ACR-N (dB)	15.7	16.0	29.4	31.2
Freq. (MHz)	14.6	14.6	249.5	249.5
Limit (dB)	48.5	48.5	4.3	4.3
Worst Pair	12	12	36	36
PS ACR-N (dB)	17.3	17.5	30.2	31.2
Freq. (MHz)	14.6	14.4	249.0	249.0
Limit (dB)	46.1	46.3	1.7	1.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	4.2	4.5	5.6	5.9
Freq. (MHz)	158.0	164.0	228.0	227.5
Limit (dB)	12.0	11.9	10.4	10.4

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



Cable ID: 085

Date / Time: 01/09/2023 03:19:36 PM

Headroom 5.4 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

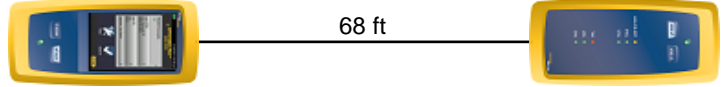
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

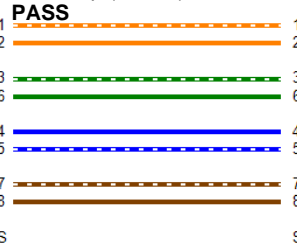
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	68
Prop. Delay (ns), Limit 498	[Pair 78]	104
Delay Skew (ns), Limit 44	[Pair 78]	6
Resistance (ohms)	[Pair 78]	3.47
Insertion Loss Margin (dB)	[Pair 36]	24.6
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-36
NEXT (dB)	5.6	5.4	6.3	5.5
Freq. (MHz)	224.0	178.0	250.0	249.5
Limit (dB)	36.1	37.8	35.3	35.4
Worst Pair	36	36	36	36
PS NEXT (dB)	5.6	6.5	5.6	6.5
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	32.7	32.7	32.7	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
ACR-F (dB)	21.1	21.1	21.6	21.9
Freq. (MHz)	10.1	11.3	242.5	243.0
Limit (dB)	44.1	43.2	16.5	16.5
Worst Pair	36	36	36	36
PS ACR-F (dB)	19.0	19.0	22.0	22.1
Freq. (MHz)	1.1	1.0	242.5	244.5
Limit (dB)	60.2	61.2	13.5	13.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-36
ACR-N (dB)	14.9	15.1	31.1	30.1
Freq. (MHz)	9.9	10.1	250.0	249.5
Limit (dB)	52.4	52.2	4.2	4.3
Worst Pair	12	12	36	36
PS ACR-N (dB)	16.1	16.4	30.2	31.1
Freq. (MHz)	9.9	10.1	250.0	250.0
Limit (dB)	50.1	49.8	1.6	1.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	4.3	6.8	4.3	6.8
Freq. (MHz)	224.0	224.0	224.0	224.0
Limit (dB)	10.5	10.5	10.5	10.5

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



Cable ID: 086

Date / Time: 01/09/2023 03:21:58 PM

Headroom 2.2 dB (NEXT 36-45)

Test Limit: TIA Cat 6 Perm. Link

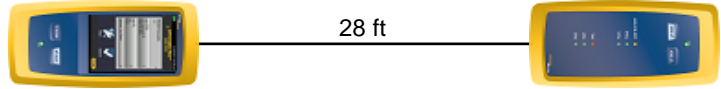
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

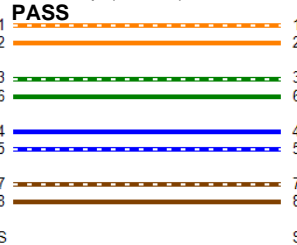
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	28
Prop. Delay (ns), Limit 498	[Pair 78]	44
Delay Skew (ns), Limit 44	[Pair 12]	3
Resistance (ohms)	[Pair 36]	1.71
Insertion Loss Margin (dB)	[Pair 36]	27.7
Frequency (MHz)	[Pair 36]	245.0
Limit (dB)	[Pair 36]	30.7



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	2.2	3.0	2.2	3.0
Freq. (MHz)	239.0	239.5	239.0	239.5
Limit (dB)	35.7	35.6	35.7	35.6
Worst Pair	36	36	36	36
PS NEXT (dB)	4.0	5.0	4.0	5.0
Freq. (MHz)	240.0	241.5	240.0	241.5
Limit (dB)	33.0	33.0	33.0	33.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	12-78
ACR-F (dB)	16.4	16.4	16.8	16.9
Freq. (MHz)	137.0	5.1	249.0	250.0
Limit (dB)	21.5	50.0	16.3	16.2
Worst Pair	12	12	78	78
PS ACR-F (dB)	17.5	17.4	19.3	19.4
Freq. (MHz)	1.5	1.1	249.0	250.0
Limit (dB)	57.7	60.2	13.3	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	36-45	36-45
ACR-N (dB)	17.1	17.5	29.7	30.5
Freq. (MHz)	5.1	3.4	239.0	239.5
Limit (dB)	58.4	61.8	5.4	5.3
Worst Pair	36	12	36	36
PS ACR-N (dB)	17.5	17.6	31.4	32.5
Freq. (MHz)	9.9	4.0	240.0	241.5
Limit (dB)	50.1	58.3	2.6	2.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	4.1	4.2	4.1	4.2
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	10.0	10.0	10.0	10.0

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



Cable ID: 087

Date / Time: 01/09/2023 03:23:05 PM

Headroom **3.9 dB (NEXT 36-45)**

Test Limit: TIA Cat 6 Perm. Link

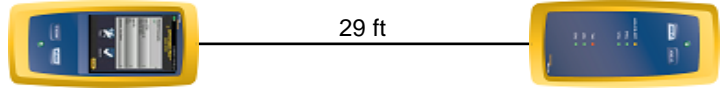
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

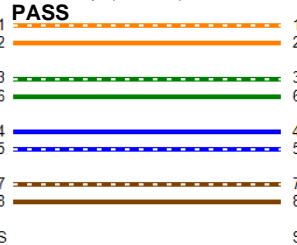
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	29
Prop. Delay (ns), Limit 498	[Pair 78]	45
Delay Skew (ns), Limit 44	[Pair 78]	3
Resistance (ohms)	[Pair 78]	1.71
Insertion Loss Margin (dB)	[Pair 36]	27.6
Frequency (MHz)	[Pair 36]	243.0
Limit (dB)	[Pair 36]	30.6



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	3.9	5.4	3.9	6.3
Freq. (MHz)	245.5	154.5	245.5	245.0
Limit (dB)	35.5	38.8	35.5	35.5
Worst Pair	36	45	36	45
PS NEXT (dB)	5.2	6.3	5.2	6.5
Freq. (MHz)	245.0	155.0	245.0	245.5
Limit (dB)	32.9	36.2	32.9	32.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	78-12	12-78	12-78
ACR-F (dB)	19.8	19.9	20.6	20.5
Freq. (MHz)	221.0	221.0	250.0	250.0
Limit (dB)	17.3	17.3	16.2	16.2
Worst Pair	12	12	78	78
PS ACR-F (dB)	19.7	19.5	21.6	21.9
Freq. (MHz)	1.3	1.0	245.5	250.0
Limit (dB)	59.3	61.2	13.4	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-78	36-45	36-45
ACR-N (dB)	14.7	13.9	31.9	34.3
Freq. (MHz)	6.1	7.8	245.5	245.0
Limit (dB)	56.8	54.7	4.7	4.7
Worst Pair	45	45	36	45
PS ACR-N (dB)	14.3	13.1	33.1	34.4
Freq. (MHz)	6.9	7.5	245.0	245.5
Limit (dB)	53.5	52.7	2.1	2.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	45	45
RL (dB)	7.2	7.2	2.5	2.5
Freq. (MHz)	214.0	226.0	220.5	221.0
Limit (dB)	10.7	10.5	10.6	10.6

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



Cable ID: 088

Date / Time: 01/09/2023 03:24:24 PM

Headroom 1.4 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

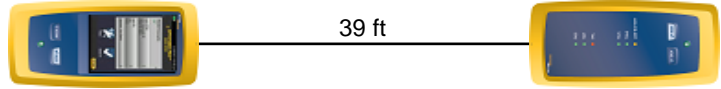
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

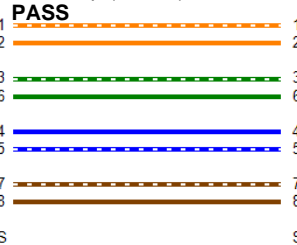
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	39
Prop. Delay (ns), Limit 498	[Pair 78]	61
Delay Skew (ns), Limit 44	[Pair 12]	4
Resistance (ohms)	[Pair 78]	2.25
Insertion Loss Margin (dB)	[Pair 36]	26.1
Frequency (MHz)	[Pair 36]	239.0
Limit (dB)	[Pair 36]	30.3



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	1.4	4.5	1.4	4.5
Freq. (MHz)	245.5	245.0	245.5	245.0
Limit (dB)	35.5	35.5	35.5	35.5
Worst Pair	36	36	36	36
PS NEXT (dB)	3.3	5.8	3.3	5.8
Freq. (MHz)	244.5	244.5	244.5	244.5
Limit (dB)	32.9	32.9	32.9	32.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	78-12
ACR-F (dB)	18.9	18.9	19.3	19.3
Freq. (MHz)	132.0	9.4	248.5	248.5
Limit (dB)	21.8	44.8	16.3	16.3
Worst Pair	12	36	78	78
PS ACR-F (dB)	18.7	18.5	20.4	19.9
Freq. (MHz)	1.0	1.0	249.0	249.0
Limit (dB)	61.2	61.2	13.3	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	15.8	15.7	28.2	31.3
Freq. (MHz)	8.8	3.5	245.5	245.0
Limit (dB)	53.6	61.7	4.7	4.7
Worst Pair	12	12	36	36
PS ACR-N (dB)	15.7	16.1	30.0	32.5
Freq. (MHz)	18.4	18.8	244.5	244.5
Limit (dB)	43.7	43.5	2.2	2.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	36
RL (dB)	5.1	5.5	5.1	6.8
Freq. (MHz)	213.5	144.5	213.5	240.0
Limit (dB)	10.7	12.4	10.7	10.2

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


Cable ID: 089

Date / Time: 01/09/2023 03:25:37 PM

Headroom 3.1 dB (NEXT 12-36)
Test Limit: TIA Cat 6 Perm. Link

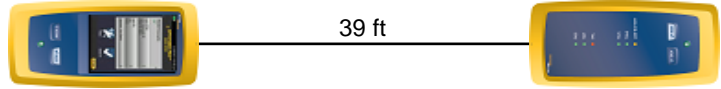
 Cable Type: DataTwist 2412, 24 CMR/NH
 NVP: 70.0%

 Operator: Lynch Networks
 Software Version: V6.8 Build 6
 Limits Version: V6.2
 Calibration Start Date:
 Main (Module): 09/30/2022
 Remote (Module): 09/30/2022

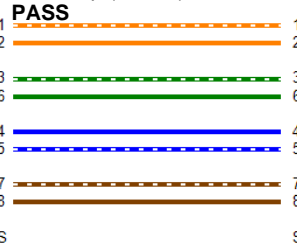
Test Summary: PASS

 Model: DSX-8000
 Main S/N: 3788256
 Remote S/N: 3587215
 Main Adapter: DSX-PLA004
 Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	39
Prop. Delay (ns), Limit 498	[Pair 78]	61
Delay Skew (ns), Limit 44	[Pair 78]	4
Resistance (ohms)	[Pair 78]	2.18
Insertion Loss Margin (dB)	[Pair 36]	27.0
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	4.7	3.1	5.0	3.1
Freq. (MHz)	168.0	239.0	238.5	239.0
Limit (dB)	38.2	35.7	35.7	35.7
Worst Pair	36	36	36	36
PS NEXT (dB)	4.6	3.5	4.6	3.5
Freq. (MHz)	237.5	238.0	237.5	238.0
Limit (dB)	33.1	33.1	33.1	33.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	78-12
ACR-F (dB)	21.0	20.9	21.3	21.4
Freq. (MHz)	162.5	133.5	250.0	250.0
Limit (dB)	20.0	21.7	16.2	16.2
Worst Pair	12	12	12	12
PS ACR-F (dB)	19.7	19.8	21.7	21.5
Freq. (MHz)	1.4	1.5	248.0	249.5
Limit (dB)	58.4	57.7	13.3	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	15.5	15.3	31.3	29.4
Freq. (MHz)	9.1	9.0	238.5	239.0
Limit (dB)	53.2	53.3	5.4	5.4
Worst Pair	12	12	36	36
PS ACR-N (dB)	15.0	15.3	30.9	29.9
Freq. (MHz)	17.4	17.1	237.5	238.0
Limit (dB)	44.3	44.5	2.9	2.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	36
RL (dB)	4.7	5.6	4.7	5.8
Freq. (MHz)	215.0	178.5	215.0	219.5
Limit (dB)	10.7	11.5	10.7	10.6

 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



Cable ID: 090

Date / Time: 01/09/2023 03:26:37 PM

Headroom **1.9 dB (NEXT 12-45)**

Test Limit: TIA Cat 6 Perm. Link

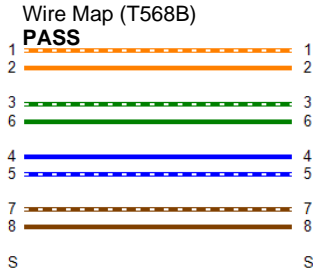
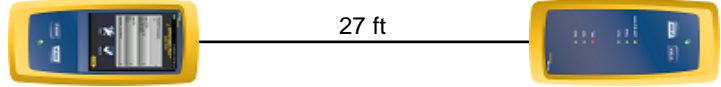
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	27
Prop. Delay (ns), Limit 498	[Pair 78]	41
Delay Skew (ns), Limit 44	[Pair 12]	2
Resistance (ohms)	[Pair 36]	1.64
Insertion Loss Margin (dB)	[Pair 36]	28.3
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-36	12-45	12-36
NEXT (dB)	1.9	3.8	1.9	3.8
Freq. (MHz)	215.0	235.5	215.0	235.5
Limit (dB)	36.4	35.8	36.4	35.8
Worst Pair	45	12	45	12
PS NEXT (dB)	3.4	5.5	3.4	5.5
Freq. (MHz)	228.5	237.0	228.5	237.0
Limit (dB)	33.4	33.1	33.4	33.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	18.4	18.6	18.4	18.6
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	16.2	16.2	16.2	16.2
Worst Pair	45	45	36	45
PS ACR-F (dB)	18.0	18.2	20.9	20.9
Freq. (MHz)	1.1	1.1	250.0	250.0
Limit (dB)	60.2	60.2	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-36
ACR-N (dB)	14.5	14.5	28.0	31.1
Freq. (MHz)	7.8	6.5	215.0	235.5
Limit (dB)	54.7	56.3	7.9	5.7
Worst Pair	12	12	45	45
PS ACR-N (dB)	15.4	16.0	31.8	33.6
Freq. (MHz)	12.6	12.1	241.5	242.5
Limit (dB)	47.6	48.0	2.5	2.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	3.6	4.1	5.7	5.9
Freq. (MHz)	3.1	3.6	224.0	224.0
Limit (dB)	21.0	21.0	10.5	10.5

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



Cable ID: 091

Date / Time: 01/09/2023 04:23:15 PM

Headroom 1.0 dB (NEXT 36-45)

Test Limit: TIA Cat 6 Perm. Link

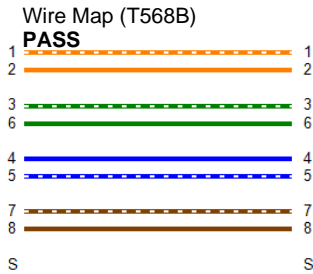
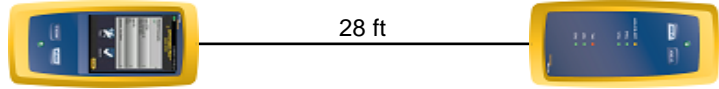
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	28
Prop. Delay (ns), Limit 498	[Pair 78]	43
Delay Skew (ns), Limit 44	[Pair 12]	2
Resistance (ohms)	[Pair 36]	1.71
Insertion Loss Margin (dB)	[Pair 36]	28.0
Frequency (MHz)	[Pair 36]	248.5
Limit (dB)	[Pair 36]	31.0



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	1.0	2.0	1.0	2.0
Freq. (MHz)	230.5	231.0	230.5	231.0
Limit (dB)	35.9	35.9	35.9	35.9
Worst Pair	45	45	45	45
PS NEXT (dB)	1.4	2.1	1.4	2.1
Freq. (MHz)	231.0	231.5	231.0	231.5
Limit (dB)	33.3	33.3	33.3	33.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	78-12	12-78	12-78
ACR-F (dB)	21.3	21.4	21.7	21.7
Freq. (MHz)	217.0	214.5	250.0	250.0
Limit (dB)	17.5	17.6	16.2	16.2
Worst Pair	12	12	78	12
PS ACR-F (dB)	20.4	20.3	23.5	23.8
Freq. (MHz)	1.3	1.4	250.0	250.0
Limit (dB)	59.3	58.4	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	36-45	36-45
ACR-N (dB)	12.4	12.3	28.1	29.1
Freq. (MHz)	18.3	18.4	230.5	231.0
Limit (dB)	46.2	46.1	6.2	6.2
Worst Pair	36	36	45	45
PS ACR-N (dB)	13.1	13.3	28.5	30.6
Freq. (MHz)	13.6	12.5	231.0	244.5
Limit (dB)	46.9	47.7	3.6	2.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	45	45
RL (dB)	7.8	7.8	3.9	5.9
Freq. (MHz)	248.5	244.0	214.5	215.0
Limit (dB)	10.0	10.1	10.7	10.7

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



Cable ID: 092

Date / Time: 01/09/2023 03:31:18 PM

Headroom 2.7 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

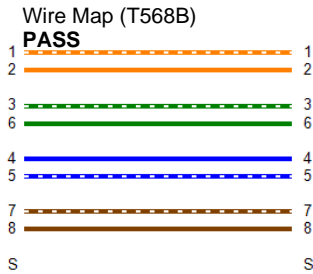
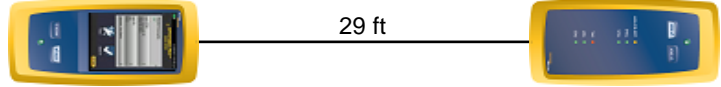
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	29
Prop. Delay (ns), Limit 498	[Pair 78]	45
Delay Skew (ns), Limit 44	[Pair 78]	3
Resistance (ohms)	[Pair 78]	1.64
Insertion Loss Margin (dB)	[Pair 36]	27.5
Frequency (MHz)	[Pair 36]	243.5
Limit (dB)	[Pair 36]	30.6



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-36
NEXT (dB)	2.7	3.1	3.5	3.1
Freq. (MHz)	207.5	207.5	250.0	207.5
Limit (dB)	36.7	36.7	35.3	36.7
Worst Pair	12	12	45	45
PS NEXT (dB)	3.3	4.5	3.4	5.7
Freq. (MHz)	210.5	209.5	250.0	249.0
Limit (dB)	34.0	34.0	32.7	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	45-36	45-36	36-45
ACR-F (dB)	14.8	14.8	14.9	15.0
Freq. (MHz)	246.5	219.5	248.0	248.5
Limit (dB)	16.4	17.4	16.3	16.3
Worst Pair	45	45	36	45
PS ACR-F (dB)	16.1	16.1	17.6	17.7
Freq. (MHz)	1.0	1.3	248.0	248.5
Limit (dB)	61.2	59.3	13.3	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	36-45	36-45
ACR-N (dB)	14.4	14.9	31.7	32.7
Freq. (MHz)	15.3	13.8	250.0	249.0
Limit (dB)	48.1	49.1	4.2	4.3
Worst Pair	12	12	45	45
PS ACR-N (dB)	15.2	15.8	31.6	33.8
Freq. (MHz)	12.8	13.8	250.0	249.0
Limit (dB)	47.5	46.8	1.6	1.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	45	45
RL (dB)	6.0	5.9	3.1	4.0
Freq. (MHz)	246.5	246.5	211.0	210.5
Limit (dB)	10.1	10.1	10.8	10.8

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



Cable ID: 093

Date / Time: 01/09/2023 03:32:31 PM

Headroom 3.1 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

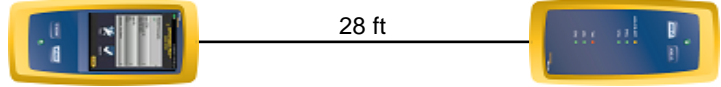
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

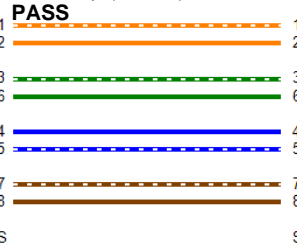
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	28
Prop. Delay (ns), Limit 498	[Pair 78]	44
Delay Skew (ns), Limit 44	[Pair 12]	3
Resistance (ohms)	[Pair 12]	5.62
Insertion Loss Margin (dB)	[Pair 36]	27.5
Frequency (MHz)	[Pair 36]	243.5
Limit (dB)	[Pair 36]	30.6



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-45	12-36
NEXT (dB)	3.7	3.1	3.7	3.2
Freq. (MHz)	228.5	147.5	228.5	245.0
Limit (dB)	36.0	39.1	36.0	35.5
Worst Pair	36	36	36	36
PS NEXT (dB)	4.6	5.0	4.6	5.4
Freq. (MHz)	229.0	148.0	229.0	245.5
Limit (dB)	33.3	36.5	33.3	32.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
ACR-F (dB)	15.5	15.5	16.1	16.2
Freq. (MHz)	5.5	5.4	247.0	247.0
Limit (dB)	49.4	49.6	16.3	16.3
Worst Pair	36	36	36	45
PS ACR-F (dB)	16.6	16.6	19.0	18.9
Freq. (MHz)	1.1	1.0	248.0	247.0
Limit (dB)	60.2	61.2	13.3	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	13.6	13.8	32.1	31.0
Freq. (MHz)	12.3	12.6	245.0	245.0
Limit (dB)	50.3	50.0	4.7	4.7
Worst Pair	36	36	36	36
PS ACR-N (dB)	14.9	15.3	31.1	33.1
Freq. (MHz)	12.3	11.8	229.0	245.5
Limit (dB)	47.9	48.4	3.8	2.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	45	45
RL (dB)	8.8	9.1	4.9	4.8
Freq. (MHz)	235.0	235.0	222.0	222.0
Limit (dB)	10.3	10.3	10.5	10.5

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



Cable ID: 094

Date / Time: 01/09/2023 03:36:21 PM

Headroom 3.2 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

Cable Type: DataTwist 2412, 24 CMR/NH

NVP: 70.0%

Operator: Lynch Networks

Software Version: V6.8 Build 6

Limits Version: V6.2

Calibration Start Date:

Main (Module): 09/30/2022

Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000

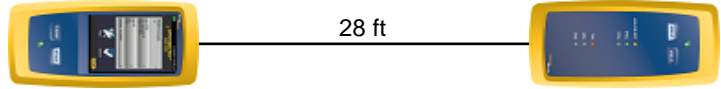
Main S/N: 3788256

Remote S/N: 3587215

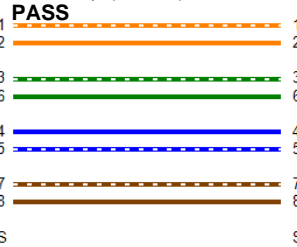
Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	28
Prop. Delay (ns), Limit 498	[Pair 78]	44
Delay Skew (ns), Limit 44	[Pair 12]	3
Resistance (ohms)	[Pair 36]	1.67
Insertion Loss Margin (dB)	[Pair 36]	27.6
Frequency (MHz)	[Pair 36]	244.0
Limit (dB)	[Pair 36]	30.7



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-36
NEXT (dB)	3.2	3.9	4.2	3.9
Freq. (MHz)	210.0	209.5	250.0	209.5
Limit (dB)	36.6	36.6	35.3	36.6
Worst Pair	36	12	36	36
PS NEXT (dB)	3.5	5.6	3.5	6.4
Freq. (MHz)	242.0	209.5	242.0	247.0
Limit (dB)	32.9	34.0	32.9	32.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	19.3	19.4	19.3	19.4
Freq. (MHz)	249.0	249.0	249.0	249.0
Limit (dB)	16.3	16.3	16.3	16.3
Worst Pair	45	45	36	36
PS ACR-F (dB)	19.2	19.0	21.9	22.3
Freq. (MHz)	1.3	1.1	247.0	250.0
Limit (dB)	59.3	60.2	13.3	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-36
ACR-N (dB)	14.3	14.7	32.3	29.5
Freq. (MHz)	12.4	12.5	250.0	209.5
Limit (dB)	50.2	50.1	4.2	8.5
Worst Pair	36	36	36	36
PS ACR-N (dB)	15.5	15.8	31.1	34.3
Freq. (MHz)	12.5	13.8	243.0	247.0
Limit (dB)	47.7	46.8	2.3	1.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	4.3	5.0	4.3	5.0
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	10.0	10.0	10.0	10.0

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	



Cable ID: 095

Date / Time: 01/09/2023 03:41:58 PM

Headroom 3.6 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

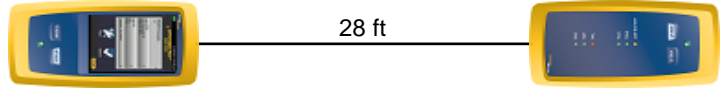
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

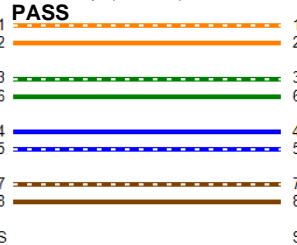
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	28
Prop. Delay (ns), Limit 498	[Pair 78]	44
Delay Skew (ns), Limit 44	[Pair 12]	3
Resistance (ohms)	[Pair 78]	1.71
Insertion Loss Margin (dB)	[Pair 36]	27.5
Frequency (MHz)	[Pair 36]	243.5
Limit (dB)	[Pair 36]	30.6



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-45	12-36
NEXT (dB)	4.3	3.6	4.4	3.6
Freq. (MHz)	239.0	232.0	239.5	232.0
Limit (dB)	35.7	35.9	35.6	35.9
Worst Pair	36	36	36	36
PS NEXT (dB)	5.2	4.3	5.2	4.3
Freq. (MHz)	239.5	231.0	239.5	231.0
Limit (dB)	33.0	33.3	33.0	33.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
ACR-F (dB)	15.3	15.3	16.1	16.1
Freq. (MHz)	5.5	5.5	250.0	250.0
Limit (dB)	49.4	49.4	16.2	16.2
Worst Pair	36	36	45	45
PS ACR-F (dB)	15.8	15.9	18.9	18.6
Freq. (MHz)	1.3	1.6	249.5	250.0
Limit (dB)	59.3	57.0	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	36-45	12-36
ACR-N (dB)	17.4	17.0	31.9	30.4
Freq. (MHz)	12.0	7.0	239.5	232.0
Limit (dB)	50.5	55.6	5.3	6.1
Worst Pair	36	36	36	36
PS ACR-N (dB)	16.9	16.8	32.6	31.0
Freq. (MHz)	21.9	7.8	239.5	231.0
Limit (dB)	41.8	52.4	2.7	3.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	45	45
RL (dB)	6.8	8.8	4.1	4.8
Freq. (MHz)	246.0	246.0	212.0	212.0
Limit (dB)	10.1	10.1	10.7	10.7

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



Cable ID: 096

Date / Time: 01/09/2023 03:44:44 PM

Headroom 3.4 dB (NEXT 36-45)

Test Limit: TIA Cat 6 Perm. Link

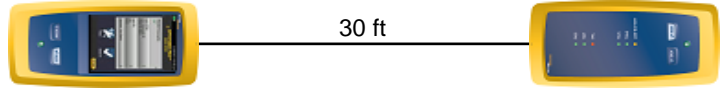
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

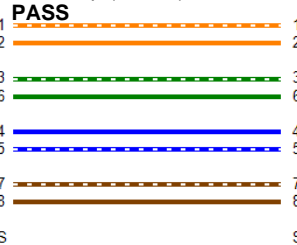
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	30
Prop. Delay (ns), Limit 498	[Pair 78]	45
Delay Skew (ns), Limit 44	[Pair 12]	2
Resistance (ohms)	[Pair 78]	1.75
Insertion Loss Margin (dB)	[Pair 36]	27.0
Frequency (MHz)	[Pair 36]	239.0
Limit (dB)	[Pair 36]	30.3



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-45	12-36
NEXT (dB)	3.4	3.7	3.4	3.8
Freq. (MHz)	233.5	235.5	233.5	249.0
Limit (dB)	35.8	35.8	35.8	35.4
Worst Pair	36	36	36	36
PS NEXT (dB)	4.9	5.1	4.9	5.2
Freq. (MHz)	234.5	235.0	234.5	250.0
Limit (dB)	33.2	33.2	33.2	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	45-36	45-36
ACR-F (dB)	19.2	19.1	19.9	20.1
Freq. (MHz)	215.5	215.5	250.0	250.0
Limit (dB)	17.5	17.5	16.2	16.2
Worst Pair	36	36	36	36
PS ACR-F (dB)	19.6	19.8	22.5	21.2
Freq. (MHz)	1.0	1.0	250.0	250.0
Limit (dB)	61.2	61.2	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	12-36
ACR-N (dB)	12.8	12.3	30.6	31.8
Freq. (MHz)	6.5	6.9	233.5	249.0
Limit (dB)	56.3	55.8	5.9	4.3
Worst Pair	45	45	36	36
PS ACR-N (dB)	14.4	13.9	31.7	33.2
Freq. (MHz)	6.5	7.5	234.5	250.0
Limit (dB)	54.0	52.7	3.2	1.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	45	45
RL (dB)	7.7	9.2	3.4	2.9
Freq. (MHz)	240.5	240.5	207.0	207.5
Limit (dB)	10.2	10.2	10.8	10.8

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



Cable ID: 097

Date / Time: 01/09/2023 03:26:37 PM

Headroom 1.9 dB (NEXT 12-45)

Test Limit: TIA Cat 6 Perm. Link

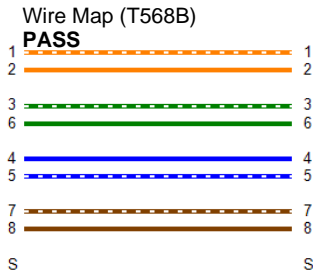
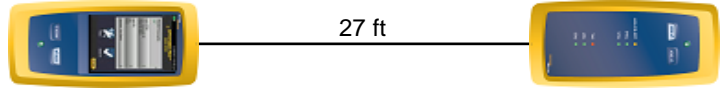
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	27
Prop. Delay (ns), Limit 498	[Pair 78]	41
Delay Skew (ns), Limit 44	[Pair 12]	2
Resistance (ohms)	[Pair 36]	1.64
Insertion Loss Margin (dB)	[Pair 36]	28.3
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-36	12-45	12-36
NEXT (dB)	1.9	3.8	1.9	3.8
Freq. (MHz)	215.0	235.5	215.0	235.5
Limit (dB)	36.4	35.8	36.4	35.8
Worst Pair	45	12	45	12
PS NEXT (dB)	3.4	5.5	3.4	5.5
Freq. (MHz)	228.5	237.0	228.5	237.0
Limit (dB)	33.4	33.1	33.4	33.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	36-45	45-36	36-45
ACR-F (dB)	18.4	18.6	18.4	18.6
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	16.2	16.2	16.2	16.2
Worst Pair	45	45	36	45
PS ACR-F (dB)	18.0	18.2	20.9	20.9
Freq. (MHz)	1.1	1.1	250.0	250.0
Limit (dB)	60.2	60.2	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-36
ACR-N (dB)	14.5	14.5	28.0	31.1
Freq. (MHz)	7.8	6.5	215.0	235.5
Limit (dB)	54.7	56.3	7.9	5.7
Worst Pair	12	12	45	45
PS ACR-N (dB)	15.4	16.0	31.8	33.6
Freq. (MHz)	12.6	12.1	241.5	242.5
Limit (dB)	47.6	48.0	2.5	2.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	3.6	4.1	5.7	5.9
Freq. (MHz)	3.1	3.6	224.0	224.0
Limit (dB)	21.0	21.0	10.5	10.5

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



Cable ID: 098

Date / Time: 01/09/2023 03:31:18 PM

Headroom 2.7 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

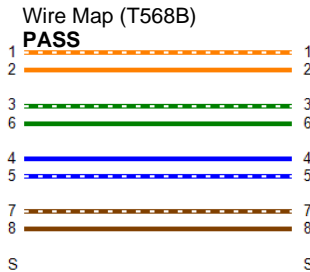
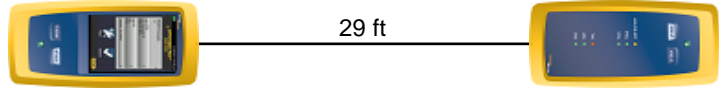
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	29
Prop. Delay (ns), Limit 498	[Pair 78]	45
Delay Skew (ns), Limit 44	[Pair 78]	3
Resistance (ohms)	[Pair 78]	1.64
Insertion Loss Margin (dB)	[Pair 36]	27.5
Frequency (MHz)	[Pair 36]	243.5
Limit (dB)	[Pair 36]	30.6



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-36
NEXT (dB)	2.7	3.1	3.5	3.1
Freq. (MHz)	207.5	207.5	250.0	207.5
Limit (dB)	36.7	36.7	35.3	36.7
Worst Pair	12	12	45	45
PS NEXT (dB)	3.3	4.5	3.4	5.7
Freq. (MHz)	210.5	209.5	250.0	249.0
Limit (dB)	34.0	34.0	32.7	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	45-36	45-36	36-45
ACR-F (dB)	14.8	14.8	14.9	15.0
Freq. (MHz)	246.5	219.5	248.0	248.5
Limit (dB)	16.4	17.4	16.3	16.3
Worst Pair	45	45	36	45
PS ACR-F (dB)	16.1	16.1	17.6	17.7
Freq. (MHz)	1.0	1.3	248.0	248.5
Limit (dB)	61.2	59.3	13.3	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	36-45	36-45
ACR-N (dB)	14.4	14.9	31.7	32.7
Freq. (MHz)	15.3	13.8	250.0	249.0
Limit (dB)	48.1	49.1	4.2	4.3
Worst Pair	12	12	45	45
PS ACR-N (dB)	15.2	15.8	31.6	33.8
Freq. (MHz)	12.8	13.8	250.0	249.0
Limit (dB)	47.5	46.8	1.6	1.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	45	45
RL (dB)	6.0	5.9	3.1	4.0
Freq. (MHz)	246.5	246.5	211.0	210.5
Limit (dB)	10.1	10.1	10.8	10.8

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



Cable ID: 099

Date / Time: 01/09/2023 03:31:18 PM

Headroom 2.7 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

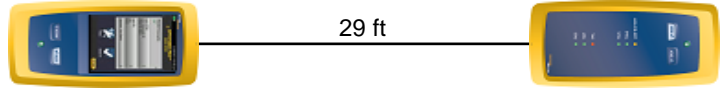
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

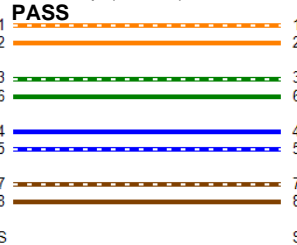
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	29
Prop. Delay (ns), Limit 498	[Pair 78]	45
Delay Skew (ns), Limit 44	[Pair 78]	3
Resistance (ohms)	[Pair 78]	1.64
Insertion Loss Margin (dB)	[Pair 36]	27.5
Frequency (MHz)	[Pair 36]	243.5
Limit (dB)	[Pair 36]	30.6



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-36
NEXT (dB)	2.7	3.1	3.5	3.1
Freq. (MHz)	207.5	207.5	250.0	207.5
Limit (dB)	36.7	36.7	35.3	36.7
Worst Pair	12	12	45	45
PS NEXT (dB)	3.3	4.5	3.4	5.7
Freq. (MHz)	210.5	209.5	250.0	249.0
Limit (dB)	34.0	34.0	32.7	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	45-36	45-36	36-45
ACR-F (dB)	14.8	14.8	14.9	15.0
Freq. (MHz)	246.5	219.5	248.0	248.5
Limit (dB)	16.4	17.4	16.3	16.3
Worst Pair	45	45	36	45
PS ACR-F (dB)	16.1	16.1	17.6	17.7
Freq. (MHz)	1.0	1.3	248.0	248.5
Limit (dB)	61.2	59.3	13.3	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	36-45	36-45
ACR-N (dB)	14.4	14.9	31.7	32.7
Freq. (MHz)	15.3	13.8	250.0	249.0
Limit (dB)	48.1	49.1	4.2	4.3
Worst Pair	12	12	45	45
PS ACR-N (dB)	15.2	15.8	31.6	33.8
Freq. (MHz)	12.8	13.8	250.0	249.0
Limit (dB)	47.5	46.8	1.6	1.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	45	45
RL (dB)	6.0	5.9	3.1	4.0
Freq. (MHz)	246.5	246.5	211.0	210.5
Limit (dB)	10.1	10.1	10.8	10.8

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



Cable ID: 100

Date / Time: 01/09/2023 03:31:18 PM

Headroom 2.7 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

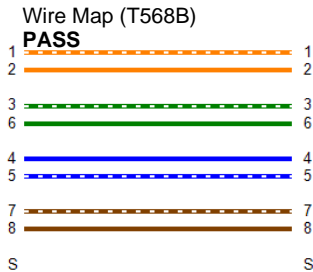
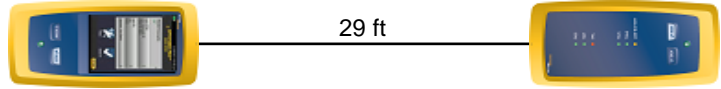
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	29
Prop. Delay (ns), Limit 498	[Pair 78]	45
Delay Skew (ns), Limit 44	[Pair 78]	3
Resistance (ohms)	[Pair 78]	1.64
Insertion Loss Margin (dB)	[Pair 36]	27.5
Frequency (MHz)	[Pair 36]	243.5
Limit (dB)	[Pair 36]	30.6



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-36
NEXT (dB)	2.7	3.1	3.5	3.1
Freq. (MHz)	207.5	207.5	250.0	207.5
Limit (dB)	36.7	36.7	35.3	36.7
Worst Pair	12	12	45	45
PS NEXT (dB)	3.3	4.5	3.4	5.7
Freq. (MHz)	210.5	209.5	250.0	249.0
Limit (dB)	34.0	34.0	32.7	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	45-36	45-36	36-45
ACR-F (dB)	14.8	14.8	14.9	15.0
Freq. (MHz)	246.5	219.5	248.0	248.5
Limit (dB)	16.4	17.4	16.3	16.3
Worst Pair	45	45	36	45
PS ACR-F (dB)	16.1	16.1	17.6	17.7
Freq. (MHz)	1.0	1.3	248.0	248.5
Limit (dB)	61.2	59.3	13.3	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	36-45	36-45
ACR-N (dB)	14.4	14.9	31.7	32.7
Freq. (MHz)	15.3	13.8	250.0	249.0
Limit (dB)	48.1	49.1	4.2	4.3
Worst Pair	12	12	45	45
PS ACR-N (dB)	15.2	15.8	31.6	33.8
Freq. (MHz)	12.8	13.8	250.0	249.0
Limit (dB)	47.5	46.8	1.6	1.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	45	45
RL (dB)	6.0	5.9	3.1	4.0
Freq. (MHz)	246.5	246.5	211.0	210.5
Limit (dB)	10.1	10.1	10.8	10.8

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



Cable ID: 101

Date / Time: 01/09/2023 03:21:58 PM

Headroom 2.2 dB (NEXT 36-45)

Test Limit: TIA Cat 6 Perm. Link

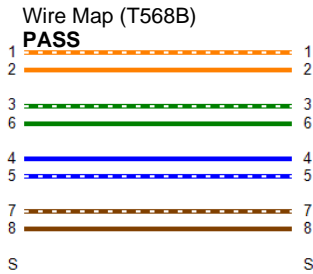
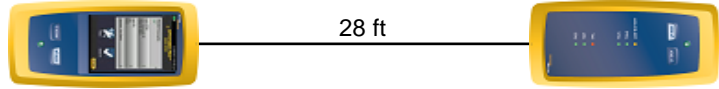
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	28
Prop. Delay (ns), Limit 498	[Pair 78]	44
Delay Skew (ns), Limit 44	[Pair 12]	3
Resistance (ohms)	[Pair 36]	1.71
Insertion Loss Margin (dB)	[Pair 36]	27.7
Frequency (MHz)	[Pair 36]	245.0
Limit (dB)	[Pair 36]	30.7



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	2.2	3.0	2.2	3.0
Freq. (MHz)	239.0	239.5	239.0	239.5
Limit (dB)	35.7	35.6	35.7	35.6
Worst Pair	36	36	36	36
PS NEXT (dB)	4.0	5.0	4.0	5.0
Freq. (MHz)	240.0	241.5	240.0	241.5
Limit (dB)	33.0	33.0	33.0	33.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	12-78
ACR-F (dB)	16.4	16.4	16.8	16.9
Freq. (MHz)	137.0	5.1	249.0	250.0
Limit (dB)	21.5	50.0	16.3	16.2
Worst Pair	12	12	78	78
PS ACR-F (dB)	17.5	17.4	19.3	19.4
Freq. (MHz)	1.5	1.1	249.0	250.0
Limit (dB)	57.7	60.2	13.3	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	36-45	36-45
ACR-N (dB)	17.1	17.5	29.7	30.5
Freq. (MHz)	5.1	3.4	239.0	239.5
Limit (dB)	58.4	61.8	5.4	5.3
Worst Pair	36	12	36	36
PS ACR-N (dB)	17.5	17.6	31.4	32.5
Freq. (MHz)	9.9	4.0	240.0	241.5
Limit (dB)	50.1	58.3	2.6	2.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	4.1	4.2	4.1	4.2
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	10.0	10.0	10.0	10.0

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



Cable ID: 102

Date / Time: 01/09/2023 03:21:58 PM

Headroom 2.2 dB (NEXT 36-45)

Test Limit: TIA Cat 6 Perm. Link

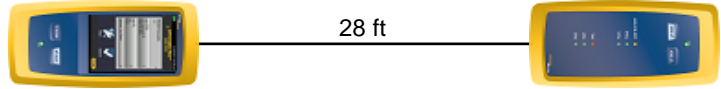
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

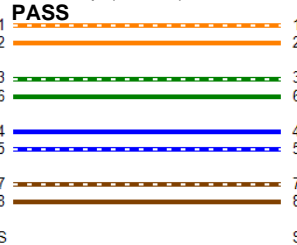
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	28
Prop. Delay (ns), Limit 498	[Pair 78]	44
Delay Skew (ns), Limit 44	[Pair 12]	3
Resistance (ohms)	[Pair 36]	1.71
Insertion Loss Margin (dB)	[Pair 36]	27.7
Frequency (MHz)	[Pair 36]	245.0
Limit (dB)	[Pair 36]	30.7



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	2.2	3.0	2.2	3.0
Freq. (MHz)	239.0	239.5	239.0	239.5
Limit (dB)	35.7	35.6	35.7	35.6
Worst Pair	36	36	36	36
PS NEXT (dB)	4.0	5.0	4.0	5.0
Freq. (MHz)	240.0	241.5	240.0	241.5
Limit (dB)	33.0	33.0	33.0	33.0

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	12-78
ACR-F (dB)	16.4	16.4	16.8	16.9
Freq. (MHz)	137.0	5.1	249.0	250.0
Limit (dB)	21.5	50.0	16.3	16.2
Worst Pair	12	12	78	78
PS ACR-F (dB)	17.5	17.4	19.3	19.4
Freq. (MHz)	1.5	1.1	249.0	250.0
Limit (dB)	57.7	60.2	13.3	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	36-45	36-45
ACR-N (dB)	17.1	17.5	29.7	30.5
Freq. (MHz)	5.1	3.4	239.0	239.5
Limit (dB)	58.4	61.8	5.4	5.3
Worst Pair	36	12	36	36
PS ACR-N (dB)	17.5	17.6	31.4	32.5
Freq. (MHz)	9.9	4.0	240.0	241.5
Limit (dB)	50.1	58.3	2.6	2.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	4.1	4.2	4.1	4.2
Freq. (MHz)	250.0	250.0	250.0	250.0
Limit (dB)	10.0	10.0	10.0	10.0

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



Cable ID: 103

Date / Time: 01/09/2023 03:41:58 PM

Headroom **3.6 dB (NEXT 12-36)**

Test Limit: TIA Cat 6 Perm. Link

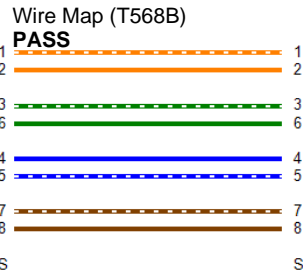
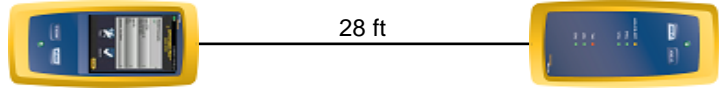
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	28
Prop. Delay (ns), Limit 498	[Pair 78]	44
Delay Skew (ns), Limit 44	[Pair 12]	3
Resistance (ohms)	[Pair 78]	1.71
Insertion Loss Margin (dB)	[Pair 36]	27.5
Frequency (MHz)	[Pair 36]	243.5
Limit (dB)	[Pair 36]	30.6



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-45	12-36
NEXT (dB)	4.3	3.6	4.4	3.6
Freq. (MHz)	239.0	232.0	239.5	232.0
Limit (dB)	35.7	35.9	35.6	35.9
Worst Pair	36	36	36	36
PS NEXT (dB)	5.2	4.3	5.2	4.3
Freq. (MHz)	239.5	231.0	239.5	231.0
Limit (dB)	33.0	33.3	33.0	33.3

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
ACR-F (dB)	15.3	15.3	16.1	16.1
Freq. (MHz)	5.5	5.5	250.0	250.0
Limit (dB)	49.4	49.4	16.2	16.2
Worst Pair	36	36	45	45
PS ACR-F (dB)	15.8	15.9	18.9	18.6
Freq. (MHz)	1.3	1.6	249.5	250.0
Limit (dB)	59.3	57.0	13.2	13.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	36-45	12-36
ACR-N (dB)	17.4	17.0	31.9	30.4
Freq. (MHz)	12.0	7.0	239.5	232.0
Limit (dB)	50.5	55.6	5.3	6.1
Worst Pair	36	36	36	36
PS ACR-N (dB)	16.9	16.8	32.6	31.0
Freq. (MHz)	21.9	7.8	239.5	231.0
Limit (dB)	41.8	52.4	2.7	3.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	45	45
RL (dB)	6.8	8.8	4.1	4.8
Freq. (MHz)	246.0	246.0	212.0	212.0
Limit (dB)	10.1	10.1	10.7	10.7

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



Cable ID: 104

Date / Time: 01/09/2023 03:31:18 PM

Headroom 2.7 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

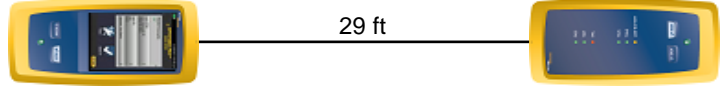
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

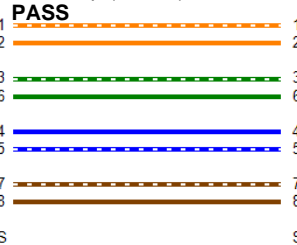
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 36]	29
Prop. Delay (ns), Limit 498	[Pair 78]	45
Delay Skew (ns), Limit 44	[Pair 78]	3
Resistance (ohms)	[Pair 78]	1.64
Insertion Loss Margin (dB)	[Pair 36]	27.5
Frequency (MHz)	[Pair 36]	243.5
Limit (dB)	[Pair 36]	30.6



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-36
NEXT (dB)	2.7	3.1	3.5	3.1
Freq. (MHz)	207.5	207.5	250.0	207.5
Limit (dB)	36.7	36.7	35.3	36.7
Worst Pair	12	12	45	45
PS NEXT (dB)	3.3	4.5	3.4	5.7
Freq. (MHz)	210.5	209.5	250.0	249.0
Limit (dB)	34.0	34.0	32.7	32.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-36	45-36	45-36	36-45
ACR-F (dB)	14.8	14.8	14.9	15.0
Freq. (MHz)	246.5	219.5	248.0	248.5
Limit (dB)	16.4	17.4	16.3	16.3
Worst Pair	45	45	36	45
PS ACR-F (dB)	16.1	16.1	17.6	17.7
Freq. (MHz)	1.0	1.3	248.0	248.5
Limit (dB)	61.2	59.3	13.3	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	36-45	36-45
ACR-N (dB)	14.4	14.9	31.7	32.7
Freq. (MHz)	15.3	13.8	250.0	249.0
Limit (dB)	48.1	49.1	4.2	4.3
Worst Pair	12	12	45	45
PS ACR-N (dB)	15.2	15.8	31.6	33.8
Freq. (MHz)	12.8	13.8	250.0	249.0
Limit (dB)	47.5	46.8	1.6	1.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	45	45
RL (dB)	6.0	5.9	3.1	4.0
Freq. (MHz)	246.5	246.5	211.0	210.5
Limit (dB)	10.1	10.1	10.8	10.8

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



Cable ID: 105

Date / Time: 01/09/2023 03:04:43 PM

Headroom 2.5 dB (NEXT 12-36)

Test Limit: TIA Cat 6 Perm. Link

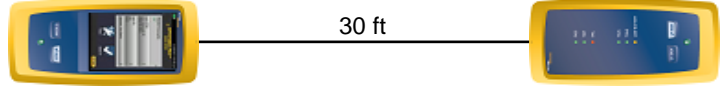
Cable Type: DataTwist 2412, 24 CMR/NH
NVP: 70.0%

Operator: Lynch Networks
Software Version: V6.8 Build 6
Limits Version: V6.2
Calibration Start Date:
Main (Module): 09/30/2022
Remote (Module): 09/30/2022

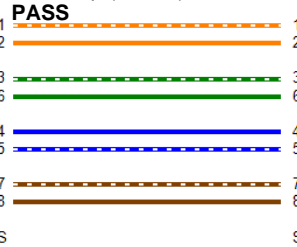
Test Summary: PASS

Model: DSX-8000
Main S/N: 3788256
Remote S/N: 3587215
Main Adapter: DSX-PLA004
Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 45]	30
Prop. Delay (ns), Limit 498	[Pair 78]	46
Delay Skew (ns), Limit 44	[Pair 12]	3
Resistance (ohms)	[Pair 78]	1.75
Insertion Loss Margin (dB)	[Pair 36]	27.6
Frequency (MHz)	[Pair 36]	245.0
Limit (dB)	[Pair 36]	30.7



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	2.5	5.3	2.6	5.3
Freq. (MHz)	242.5	247.0	243.0	247.0
Limit (dB)	35.6	35.4	35.5	35.4
Worst Pair	36	36	36	36
PS NEXT (dB)	3.9	6.0	3.9	6.0
Freq. (MHz)	250.0	248.0	250.0	248.0
Limit (dB)	32.7	32.8	32.7	32.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
ACR-F (dB)	15.2	15.1	15.2	15.1
Freq. (MHz)	249.0	249.0	249.0	249.0
Limit (dB)	16.3	16.3	16.3	16.3
Worst Pair	45	36	45	36
PS ACR-F (dB)	17.0	17.1	18.1	17.7
Freq. (MHz)	1.1	1.0	249.0	249.0
Limit (dB)	60.2	61.2	13.3	13.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
ACR-N (dB)	15.9	15.3	30.1	33.2
Freq. (MHz)	16.9	16.0	243.0	247.0
Limit (dB)	47.0	47.6	4.9	4.5
Worst Pair	12	36	36	36
PS ACR-N (dB)	17.7	17.2	32.0	34.0
Freq. (MHz)	17.1	16.0	250.0	248.0
Limit (dB)	44.5	45.2	1.6	1.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	36	78	45	45
RL (dB)	5.4	6.5	4.3	5.0
Freq. (MHz)	238.0	235.5	213.0	213.5
Limit (dB)	10.2	10.3	10.7	10.7

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