

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
001	PASS	TIA Cat 6 Perm. Link	98 ft	5.6 dB (NEXT)	05/22/2017 05:15 PM
002	PASS	TIA Cat 6 Perm. Link	99 ft	2.0 dB (NEXT)	05/22/2017 05:16 PM
003	PASS	TIA Cat 6 Perm. Link	98 ft	4.5 dB (NEXT)	05/22/2017 05:18 PM
004	PASS	TIA Cat 6 Perm. Link	98 ft	5.3 dB (NEXT)	05/22/2017 05:19 PM
005	PASS	TIA Cat 6 Perm. Link	98 ft	2.0 dB (NEXT)	05/22/2017 05:19 PM
006	PASS	TIA Cat 6 Perm. Link	98 ft	2.7 dB (NEXT)	05/22/2017 05:20 PM
007	PASS	TIA Cat 6 Perm. Link	98 ft	1.4 dB (NEXT)	05/22/2017 05:20 PM
008	PASS	TIA Cat 6 Perm. Link	98 ft	5.0 dB (NEXT)	05/22/2017 05:23 PM
009	PASS	TIA Cat 6 Perm. Link	97 ft	5.1 dB (NEXT)	05/22/2017 05:23 PM
010	PASS	TIA Cat 6 Perm. Link	97 ft	1.1 dB (NEXT)	05/22/2017 05:24 PM
011	PASS	TIA Cat 6 Perm. Link	76 ft	4.1 dB (NEXT)	05/22/2017 05:25 PM
012	PASS	TIA Cat 6 Perm. Link	75 ft	5.9 dB (NEXT)	05/22/2017 05:25 PM
013	PASS	TIA Cat 6 Perm. Link	75 ft	3.2 dB (NEXT)	05/22/2017 05:25 PM
014	PASS	TIA Cat 6 Perm. Link	75 ft	6.3 dB (NEXT)	05/22/2017 05:26 PM
015	PASS	TIA Cat 6 Perm. Link	74 ft	5.3 dB (NEXT)	05/22/2017 05:26 PM
016	PASS	TIA Cat 6 Perm. Link	74 ft	3.0 dB (NEXT)	05/22/2017 05:26 PM
019	PASS	TIA Cat 6 Perm. Link	92 ft	3.0 dB (NEXT)	05/22/2017 05:30 PM
017	PASS	TIA Cat 6 Perm. Link	92 ft	5.0 dB (NEXT)	05/22/2017 05:31 PM
018	PASS	TIA Cat 6 Perm. Link	92 ft	4.3 dB (NEXT)	05/22/2017 05:32 PM
020	PASS	TIA Cat 6 Perm. Link	92 ft	5.3 dB (NEXT)	05/22/2017 05:33 PM
021	PASS	TIA Cat 6 Perm. Link	92 ft	6.1 dB (NEXT)	05/22/2017 05:34 PM
022	PASS	TIA Cat 6 Perm. Link	92 ft	3.5 dB (NEXT)	05/22/2017 05:34 PM
023	PASS	TIA Cat 6 Perm. Link	92 ft	4.8 dB (NEXT)	05/22/2017 05:34 PM
024	PASS	TIA Cat 6 Perm. Link	92 ft	2.8 dB (NEXT)	05/22/2017 05:34 PM
025	PASS	TIA Cat 6 Perm. Link	92 ft	5.8 dB (NEXT)	05/22/2017 05:35 PM
026	PASS	TIA Cat 6 Perm. Link	92 ft	1.6 dB (NEXT)	05/22/2017 05:37 PM
027	PASS	TIA Cat 6 Perm. Link	98 ft	3.4 dB (NEXT)	05/22/2017 05:38 PM
028	PASS	TIA Cat 6 Perm. Link	98 ft	6.0 dB (NEXT)	05/22/2017 05:42 PM
029	PASS	TIA Cat 6 Perm. Link	98 ft	4.8 dB (NEXT)	05/22/2017 05:42 PM
030	PASS	TIA Cat 6 Perm. Link	98 ft	3.4 dB (NEXT)	05/22/2017 05:42 PM
031	PASS	TIA Cat 6 Perm. Link	118 ft	3.7 dB (NEXT)	05/22/2017 05:43 PM
032	PASS	TIA Cat 6 Perm. Link	117 ft	7.0 dB (NEXT)	05/22/2017 05:43 PM
033	PASS	TIA Cat 6 Perm. Link	117 ft	5.9 dB (NEXT)	05/22/2017 05:44 PM
034	PASS	TIA Cat 6 Perm. Link	117 ft	4.1 dB (NEXT)	05/22/2017 05:44 PM
035	PASS	TIA Cat 6 Perm. Link	118 ft	3.4 dB (NEXT)	05/22/2017 05:44 PM
036	PASS	TIA Cat 6 Perm. Link	118 ft	5.3 dB (NEXT)	05/22/2017 05:49 PM
037	PASS	TIA Cat 6 Perm. Link	119 ft	2.8 dB (NEXT)	05/22/2017 05:49 PM
038	PASS	TIA Cat 6 Perm. Link	118 ft	6.5 dB (NEXT)	05/22/2017 05:50 PM
039	PASS	TIA Cat 6 Perm. Link	118 ft	5.7 dB (NEXT)	05/22/2017 05:50 PM
040	PASS	TIA Cat 6 Perm. Link	118 ft	1.1 dB (NEXT)	05/22/2017 05:50 PM
041	PASS	TIA Cat 6 Perm. Link	123 ft	5.4 dB (NEXT)	05/22/2017 05:51 PM
042	PASS	TIA Cat 6 Perm. Link	123 ft	4.0 dB (NEXT)	05/22/2017 05:52 PM
043	PASS	TIA Cat 6 Perm. Link	123 ft	1.4 dB (NEXT)	05/22/2017 05:53 PM
044	PASS	TIA Cat 6 Perm. Link	123 ft	2.7 dB (NEXT)	05/22/2017 05:53 PM
045	PASS	TIA Cat 6 Perm. Link	123 ft	3.3 dB (NEXT)	05/22/2017 05:53 PM
046	PASS	TIA Cat 6 Perm. Link	123 ft	5.3 dB (NEXT)	05/22/2017 05:54 PM
047	PASS	TIA Cat 6 Perm. Link	118 ft	4.5 dB (NEXT)	05/22/2017 05:54 PM
048	PASS	TIA Cat 6 Perm. Link	116 ft	2.0 dB (NEXT)	05/22/2017 05:54 PM
049	PASS	TIA Cat 6 Perm. Link	117 ft	7.4 dB (NEXT)	05/23/2017 01:06 PM
050	PASS	TIA Cat 6 Perm. Link	117 ft	1.6 dB (NEXT)	05/23/2017 01:12 PM
051	PASS	TIA Cat 6 Perm. Link	118 ft	4.1 dB (NEXT)	05/23/2017 01:14 PM
052	PASS	TIA Cat 6 Perm. Link	118 ft	6.1 dB (NEXT)	05/23/2017 01:15 PM
053	PASS	TIA Cat 6 Perm. Link	117 ft	4.2 dB (NEXT)	05/23/2017 01:15 PM
054	PASS	TIA Cat 6 Perm. Link	116 ft	4.6 dB (NEXT)	05/23/2017 01:16 PM
056	PASS	TIA Cat 6 Perm. Link	88 ft	3.5 dB (NEXT)	05/23/2017 01:21 PM
055	PASS	TIA Cat 6 Perm. Link	88 ft	3.5 dB (NEXT)	05/23/2017 01:21 PM
057	PASS	TIA Cat 6 Perm. Link	88 ft	2.0 dB (NEXT)	05/23/2017 01:21 PM
058	PASS	TIA Cat 6 Perm. Link	88 ft	3.3 dB (NEXT)	05/23/2017 01:22 PM
059	PASS	TIA Cat 6 Perm. Link	77 ft	4.6 dB (NEXT)	05/23/2017 01:24 PM
060	PASS	TIA Cat 6 Perm. Link	78 ft	4.2 dB (NEXT)	05/23/2017 01:25 PM
061	PASS	TIA Cat 6 Perm. Link	77 ft	5.4 dB (NEXT)	05/23/2017 01:25 PM
062	PASS	TIA Cat 6 Perm. Link	76 ft	3.4 dB (NEXT)	05/23/2017 01:25 PM
063	PASS	TIA Cat 6 Perm. Link	76 ft	5.0 dB (NEXT)	05/23/2017 01:26 PM
064	PASS	TIA Cat 6 Perm. Link	76 ft	4.9 dB (NEXT)	05/23/2017 01:26 PM
065	PASS	TIA Cat 6 Perm. Link	76 ft	4.5 dB (NEXT)	05/23/2017 01:30 PM
066	PASS	TIA Cat 6 Perm. Link	77 ft	6.4 dB (NEXT)	05/23/2017 01:30 PM
067	PASS	TIA Cat 6 Perm. Link	76 ft	3.6 dB (NEXT)	05/23/2017 01:31 PM
068	PASS	TIA Cat 6 Perm. Link	76 ft	4.4 dB (NEXT)	05/23/2017 01:31 PM
069	PASS	TIA Cat 6 Perm. Link	73 ft	1.1 dB (NEXT)	05/23/2017 01:36 PM
070	PASS	TIA Cat 6 Perm. Link	30 ft	3.6 dB (NEXT)	05/23/2017 01:36 PM
071	PASS	TIA Cat 6 Perm. Link	30 ft	3.7 dB (NEXT)	05/23/2017 01:47 PM
072	PASS	TIA Cat 6 Perm. Link	31 ft	3.9 dB (NEXT)	05/23/2017 01:49 PM
073	PASS	TIA Cat 6 Perm. Link	32 ft	3.7 dB (NEXT)	05/23/2017 01:55 PM
074	PASS	TIA Cat 6 Perm. Link	32 ft	3.6 dB (NEXT)	05/23/2017 02:00 PM
075	PASS	TIA Cat 6 Perm. Link	32 ft	3.6 dB (NEXT)	05/23/2017 02:00 PM
076	PASS	TIA Cat 6 Perm. Link	30 ft	4.8 dB (NEXT)	05/23/2017 02:01 PM
077	PASS	TIA Cat 6 Perm. Link	32 ft	3.2 dB (NEXT)	05/23/2017 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)	05/23/2017 02:30 PM
079	PASS	TIA Cat 6 Perm. Link	30 ft	2.5 dB (NEXT)	05/23/2017 03:04 PM
080	PASS	TIA Cat 6 Perm. Link	32 ft	3.4 dB (NEXT)	05/23/2017 04:22 PM
081	PASS	TIA Cat 6 Perm. Link	32 ft	3.4 dB (NEXT)	05/23/2017 04:21 PM
082	PASS	TIA Cat 6 Perm. Link	66 ft	3.7 dB (NEXT)	05/23/2017 03:12 PM
083	PASS	TIA Cat 6 Perm. Link	68 ft	1.6 dB (NEXT)	05/23/2017 03:15 PM
084	PASS	TIA Cat 6 Perm. Link	66 ft	4.5 dB (NEXT)	05/23/2017 03:17 PM
085	PASS	TIA Cat 6 Perm. Link	68 ft	5.4 dB (NEXT)	05/23/2017 03:19 PM
086	PASS	TIA Cat 6 Perm. Link	28 ft	2.2 dB (NEXT)	05/23/2017 03:21 PM
087	PASS	TIA Cat 6 Perm. Link	29 ft	3.9 dB (NEXT)	05/23/2017 03:23 PM
088	PASS	TIA Cat 6 Perm. Link	39 ft	1.4 dB (NEXT)	05/23/2017 03:24 PM
089	PASS	TIA Cat 6 Perm. Link	39 ft	3.1 dB (NEXT)	05/23/2017 03:25 PM
090	PASS	TIA Cat 6 Perm. Link	27 ft	1.9 dB (NEXT)	05/23/2017 03:26 PM
091	PASS	TIA Cat 6 Perm. Link	28 ft	1.0 dB (NEXT)	05/23/2017 04:23 PM
092	PASS	TIA Cat 6 Perm. Link	29 ft	2.7 dB (NEXT)	05/23/2017 03:31 PM
093	PASS	TIA Cat 6 Perm. Link	28 ft	3.1 dB (NEXT)	05/23/2017 03:32 PM
094	PASS	TIA Cat 6 Perm. Link	28 ft	3.2 dB (NEXT)	05/23/2017 03:36 PM
095	PASS	TIA Cat 6 Perm. Link	28 ft	3.6 dB (NEXT)	05/23/2017 03:41 PM
096	PASS	TIA Cat 6 Perm. Link	30 ft	3.4 dB (NEXT)	05/23/2017 03:44 PM
097	PASS	TIA Cat 6 Perm. Link	27 ft	1.9 dB (NEXT)	05/23/2017 03:26 PM
098	PASS	TIA Cat 6 Perm. Link	29 ft	2.7 dB (NEXT)	05/23/2017 03:31 PM
099	PASS	TIA Cat 6 Perm. Link	29 ft	2.7 dB (NEXT)	05/23/2017 03:31 PM
100	PASS	TIA Cat 6 Perm. Link	29 ft	2.7 dB (NEXT)	05/23/2017 03:31 PM
101	PASS	TIA Cat 6 Perm. Link	28 ft	2.2 dB (NEXT)	05/23/2017 03:21 PM
102	PASS	TIA Cat 6 Perm. Link	28 ft	2.2 dB (NEXT)	05/23/2017 03:21 PM
103	PASS	TIA Cat 6 Perm. Link	28 ft	3.6 dB (NEXT)	05/23/2017 03:41 PM
104	PASS	TIA Cat 6 Perm. Link	29 ft	2.7 dB (NEXT)	05/23/2017 03:31 PM
105	PASS	TIA Cat 6 Perm. Link	30 ft	2.5 dB (NEXT)	05/23/2017 03:04 PM

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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: 05/22/2017 05:15:32 PM

**Headroom 5.6 dB (NEXT 36-78)**

**Test Limit: TIA Cat 6 Perm. Link**

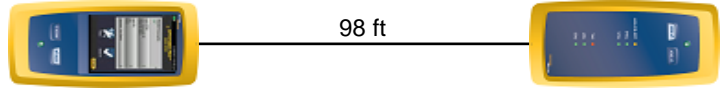
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

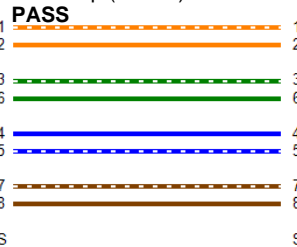
**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-45
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 05:16:41 PM

**Headroom 2.0 dB (NEXT 45-78)**

**Test Limit: TIA Cat 6 Perm. Link**

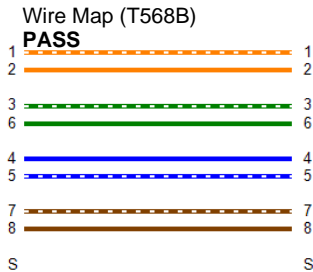
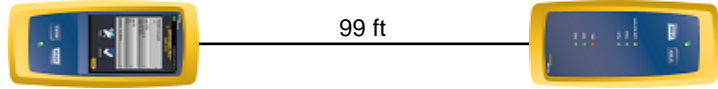
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

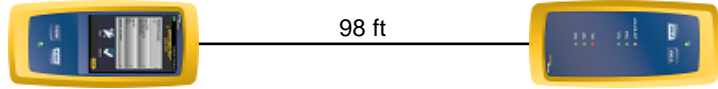
Main S/N: 3488232

Remote S/N: 3488228

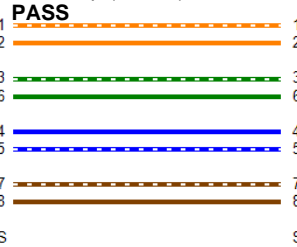
Main Adapter: DSX-PLA004

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



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 05:19:13 PM

**Headroom 5.3 dB (NEXT 12-36)**

**Test Limit: TIA Cat 6 Perm. Link**

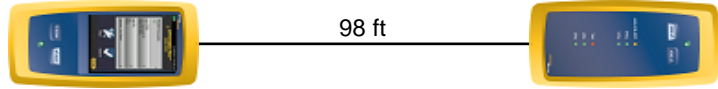
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

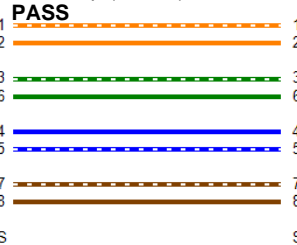
**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 05:19:56 PM

**Headroom 2.0 dB (NEXT 12-36)**

**Test Limit: TIA Cat 6 Perm. Link**

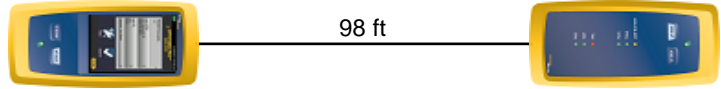
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

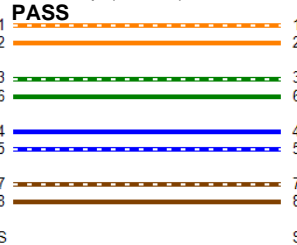
**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 05:20:17 PM

**Headroom 2.7 dB (NEXT 12-36)**

**Test Limit: TIA Cat 6 Perm. Link**

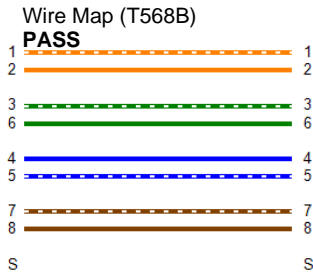
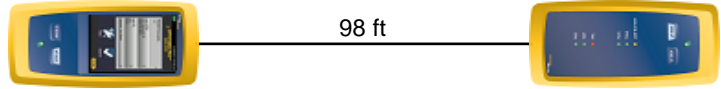
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

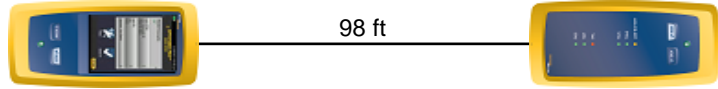
Main S/N: 3488232

Remote S/N: 3488228

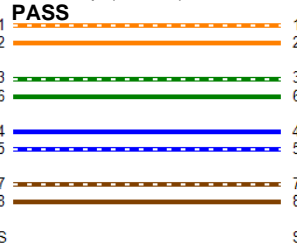
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 05:23:22 PM

**Headroom 5.0 dB (NEXT 12-36)**

**Test Limit: TIA Cat 6 Perm. Link**

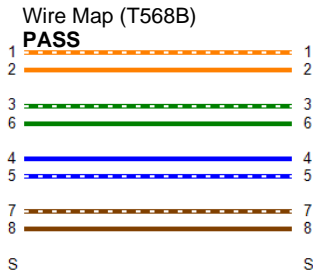
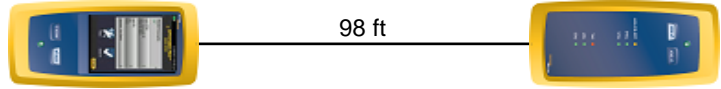
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 05:23:47 PM

**Headroom 5.1 dB (NEXT 12-36)**

**Test Limit: TIA Cat 6 Perm. Link**

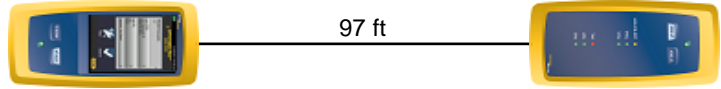
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

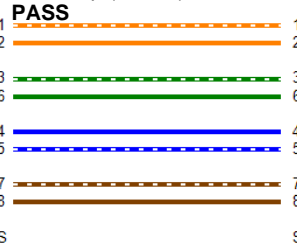
**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

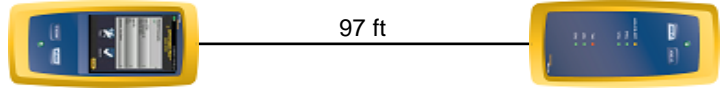
Main S/N: 3488232

Remote S/N: 3488228

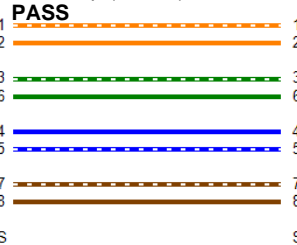
Main Adapter: DSX-PLA004

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



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

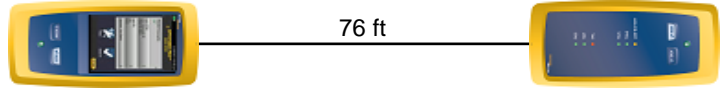
Main S/N: 3488232

Remote S/N: 3488228

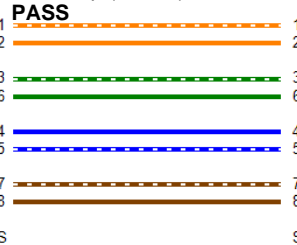
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 05:25:27 PM

**Headroom 5.9 dB (NEXT 12-36)**

**Test Limit: TIA Cat 6 Perm. Link**

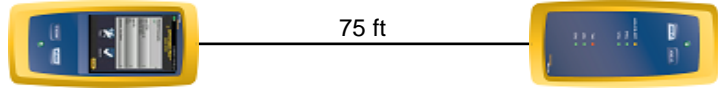
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

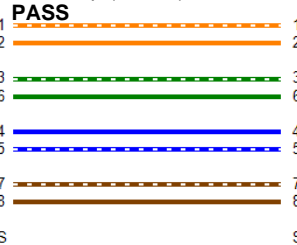
**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

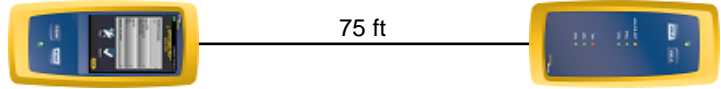
Main S/N: 3488232

Remote S/N: 3488228

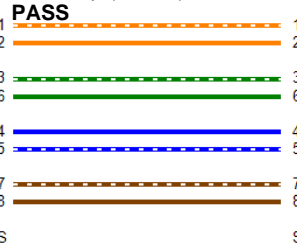
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

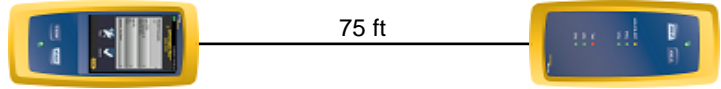
Main S/N: 3488232

Remote S/N: 3488228

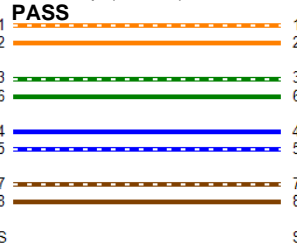
Main Adapter: DSX-PLA004

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



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

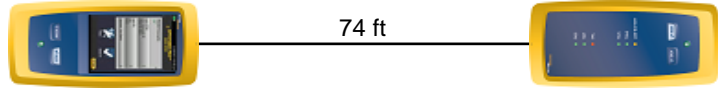
Main S/N: 3488232

Remote S/N: 3488228

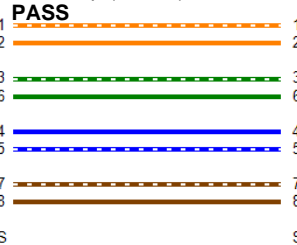
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

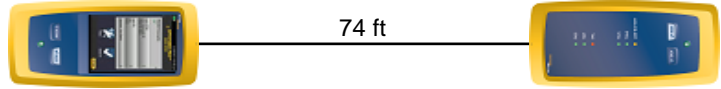
Main S/N: 3488232

Remote S/N: 3488228

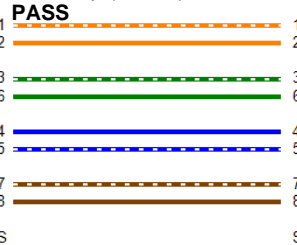
Main Adapter: DSX-PLA004

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

<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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

<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	45-36	45-36	45-36	45-36
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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

<b>N/A</b>	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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

<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	45	36	45	36
<b>RL (dB)</b>	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: 05/22/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

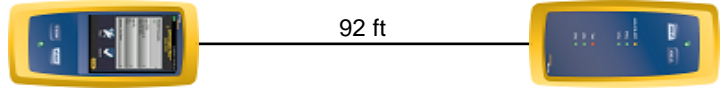
Main S/N: 3488232

Remote S/N: 3488228

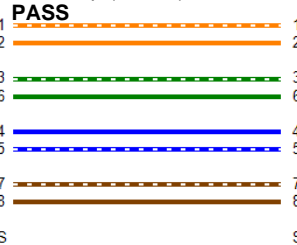
Main Adapter: DSX-PLA004

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



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

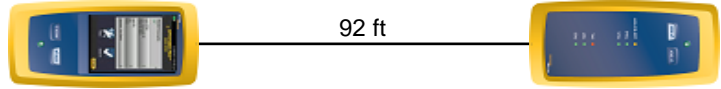
Main S/N: 3488232

Remote S/N: 3488228

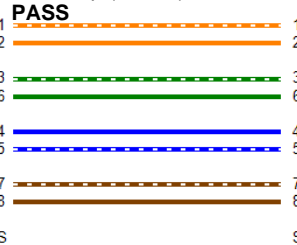
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 05:32:41 PM

Headroom **4.3 dB (NEXT 45-78)**

Test Limit: TIA Cat 6 Perm. Link

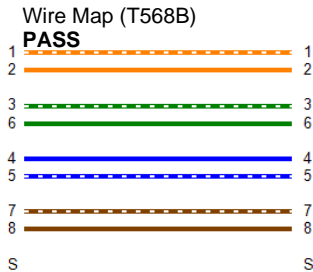
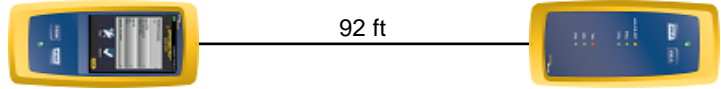
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

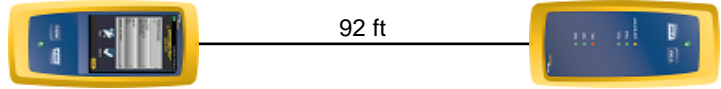
Main S/N: 3488232

Remote S/N: 3488228

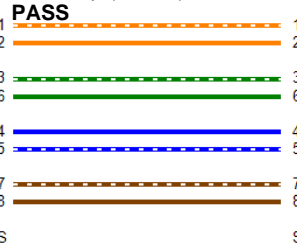
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

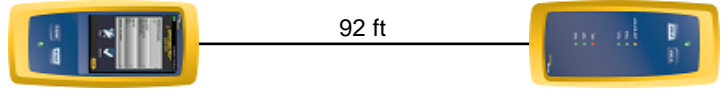
Main S/N: 3488232

Remote S/N: 3488228

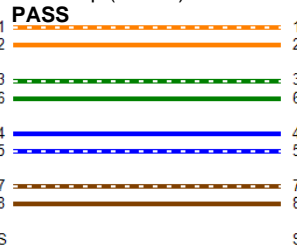
Main Adapter: DSX-PLA004

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



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	12-36	36-45
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

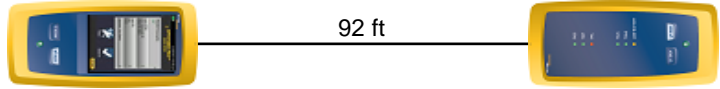
Main S/N: 3488232

Remote S/N: 3488228

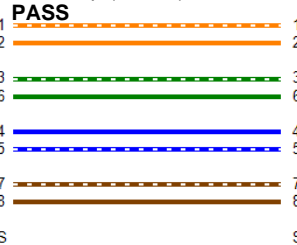
Main Adapter: DSX-PLA004

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



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 05:34:41 PM

**Headroom 4.8 dB (NEXT 36-45)**

**Test Limit: TIA Cat 6 Perm. Link**

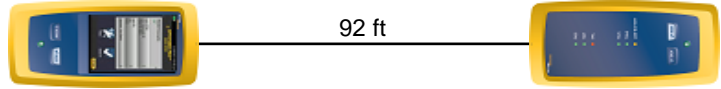
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

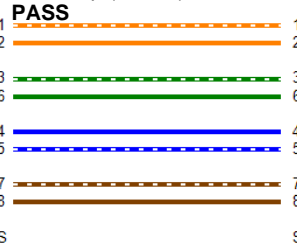
**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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	36-45	36-45	36-45	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

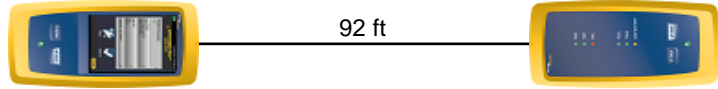
Main S/N: 3488232

Remote S/N: 3488228

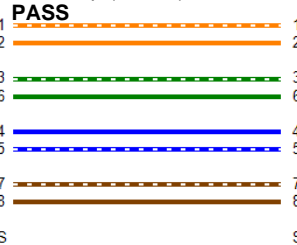
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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**

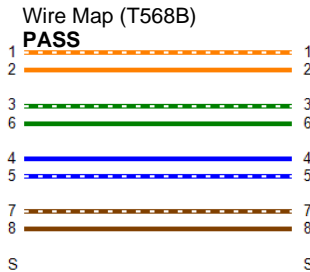
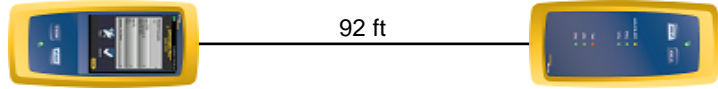
Date / Time: 05/22/2017 05:35:58 PM  
**Headroom 5.8 dB (NEXT 36-45)**  
**Test Limit: TIA Cat 6 Perm. Link**  
 Cable Type: DataTwist 2412, 24 CMR/NH  
 NVP: 70.0%

Operator: Lynch Networks  
 Software Version: V5.0 Build 3  
 Limits Version: V5.0  
 Calibration Start Date:  
 Main (Module): 09/19/2016  
 Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000  
 Main S/N: 3488232  
 Remote S/N: 3488228  
 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



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	36-45	12-45	36-45
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

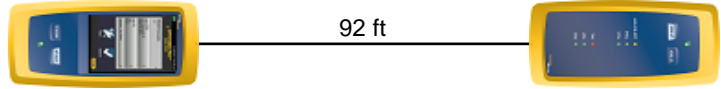
Main S/N: 3488232

Remote S/N: 3488228

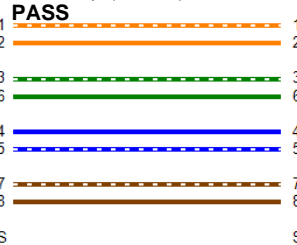
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

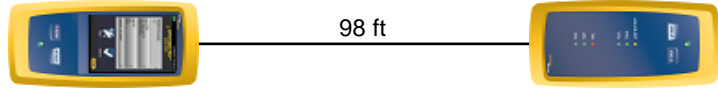
Main S/N: 3488232

Remote S/N: 3488228

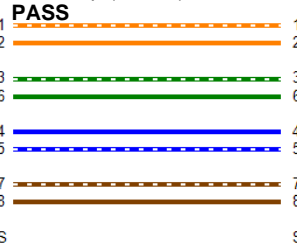
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

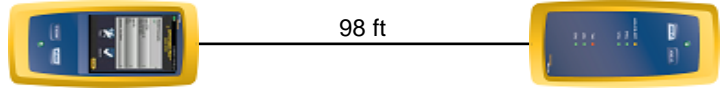
Main S/N: 3488232

Remote S/N: 3488228

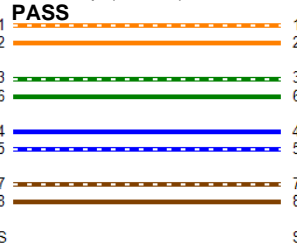
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

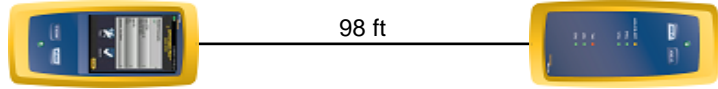
Main S/N: 3488232

Remote S/N: 3488228

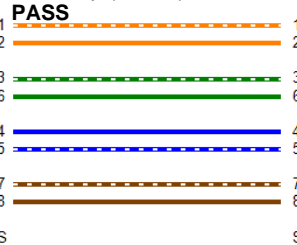
Main Adapter: DSX-PLA004

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



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

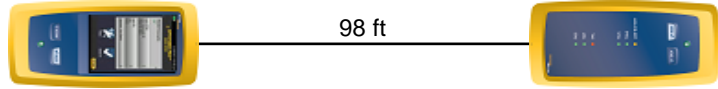
Main S/N: 3488232

Remote S/N: 3488228

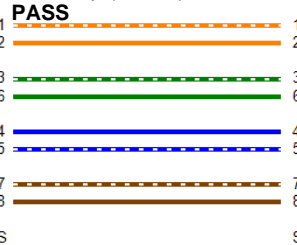
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

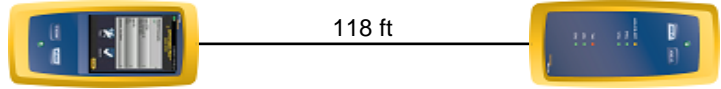
Main S/N: 3488232

Remote S/N: 3488228

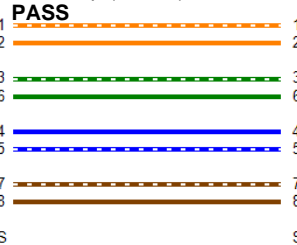
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 05:43:40 PM

**Headroom 7.0 dB (NEXT 12-36)**

**Test Limit: TIA Cat 6 Perm. Link**

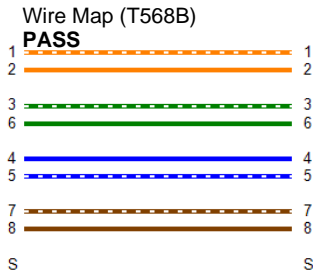
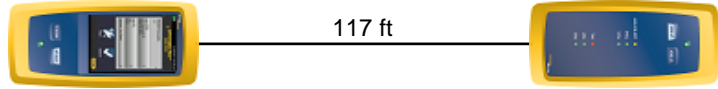
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

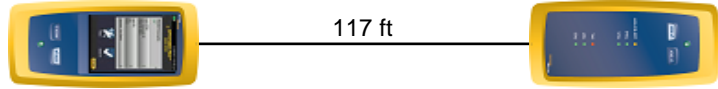
Main S/N: 3488232

Remote S/N: 3488228

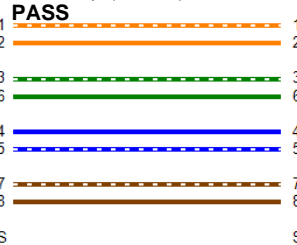
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

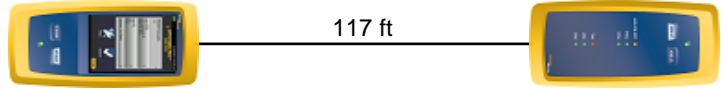
Main S/N: 3488232

Remote S/N: 3488228

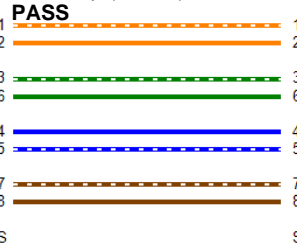
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 05:44:47 PM

**Headroom 3.4 dB (NEXT 12-36)**

**Test Limit: TIA Cat 6 Perm. Link**

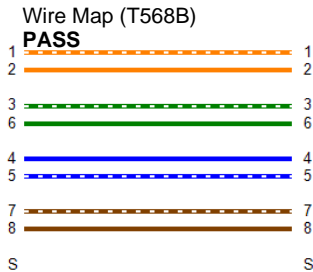
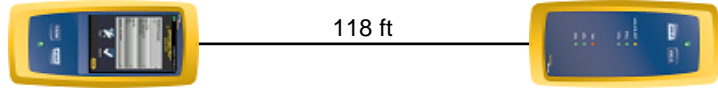
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 05:49:24 PM

**Headroom 5.3 dB (NEXT 36-78)**

**Test Limit: TIA Cat 6 Perm. Link**

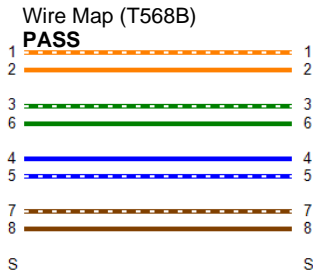
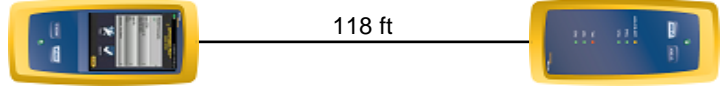
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-36	36-78	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

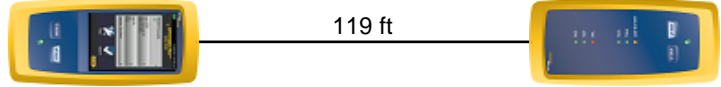
Main S/N: 3488232

Remote S/N: 3488228

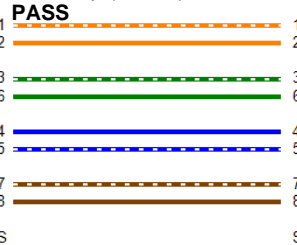
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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**

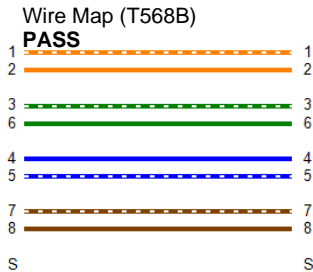
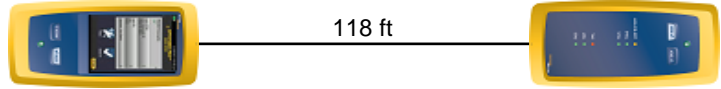
Date / Time: 05/22/2017 05:50:01 PM  
**Headroom 6.5 dB (NEXT 12-36)**  
**Test Limit: TIA Cat 6 Perm. Link**  
 Cable Type: DataTwist 2412, 24 CMR/NH  
 NVP: 70.0%

Operator: Lynch Networks  
 Software Version: V5.0 Build 3  
 Limits Version: V5.0  
 Calibration Start Date:  
 Main (Module): 09/19/2016  
 Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000  
 Main S/N: 3488232  
 Remote S/N: 3488228  
 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



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-45	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

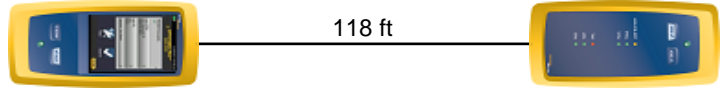
Main S/N: 3488232

Remote S/N: 3488228

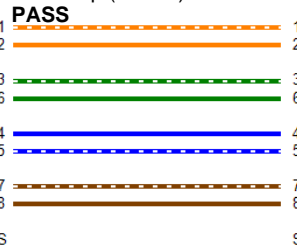
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

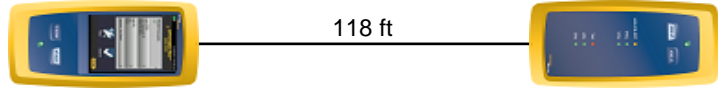
Main S/N: 3488232

Remote S/N: 3488228

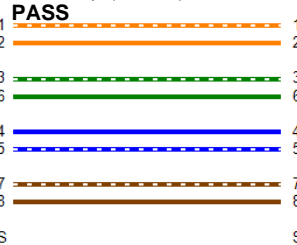
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

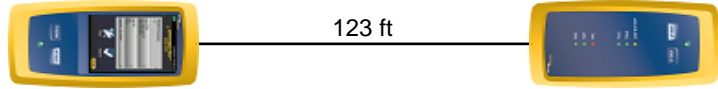
Main S/N: 3488232

Remote S/N: 3488228

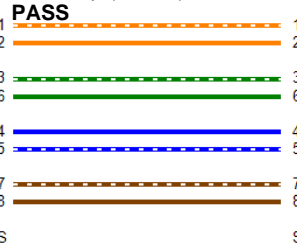
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 05:52:49 PM

**Headroom 4.0 dB (NEXT 36-78)**

**Test Limit: TIA Cat 6 Perm. Link**

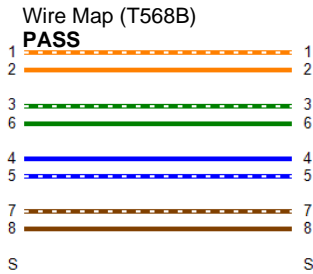
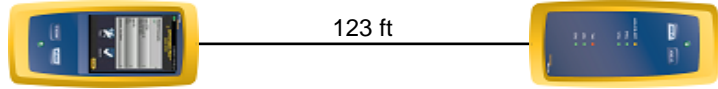
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 05:53:12 PM

**Headroom 1.4 dB (NEXT 12-45)**

**Test Limit: TIA Cat 6 Perm. Link**

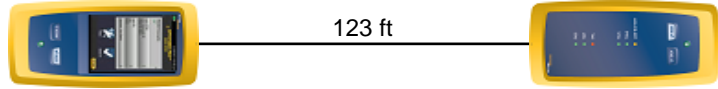
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

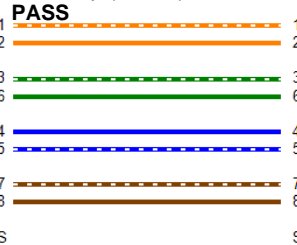
**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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

<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	12-45	36-45	12-45	36-45
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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

<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	45-78
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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

<b>N/A</b>	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	36-45
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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

<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	45	36	45	45
<b>RL (dB)</b>	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: 05/22/2017 05:53:27 PM

**Headroom 2.7 dB (NEXT 12-36)**

**Test Limit: TIA Cat 6 Perm. Link**

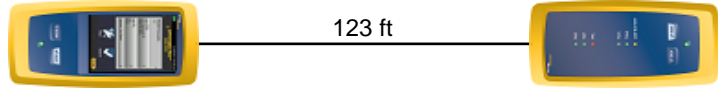
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

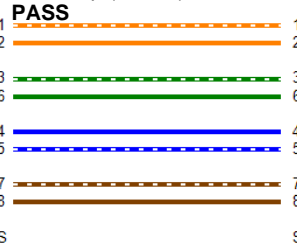
**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

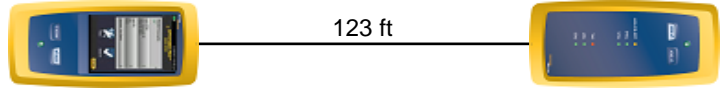
Main S/N: 3488232

Remote S/N: 3488228

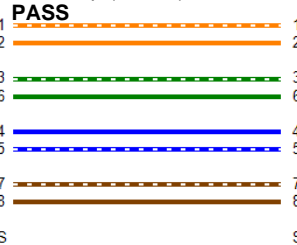
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 05:54:09 PM

**Headroom 5.3 dB (NEXT 36-45)**

**Test Limit: TIA Cat 6 Perm. Link**

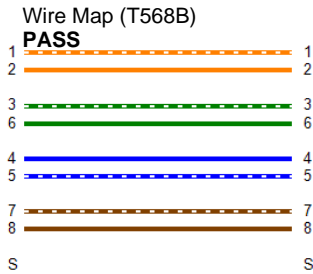
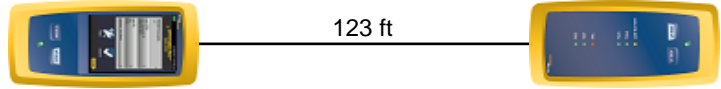
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

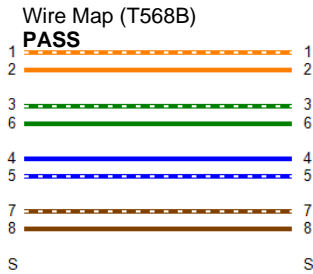
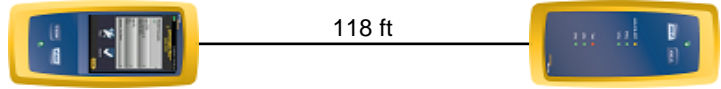
Main S/N: 3488232

Remote S/N: 3488228

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



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-45	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/22/2017 05:54:54 PM

**Headroom 2.0 dB (NEXT 12-36)**

**Test Limit: TIA Cat 6 Perm. Link**

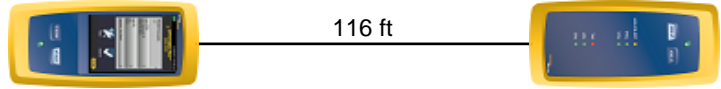
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

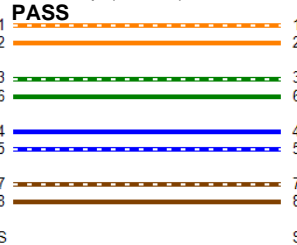
**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

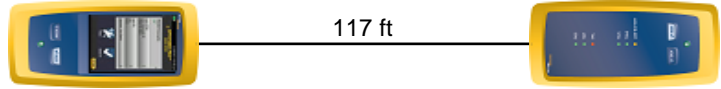
Main S/N: 3488232

Remote S/N: 3488228

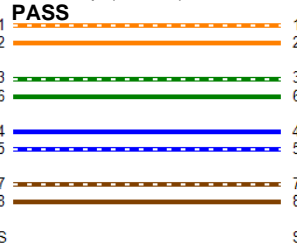
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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**

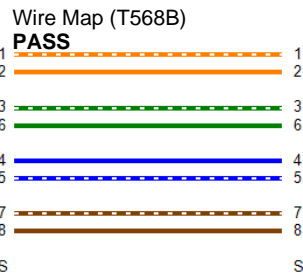
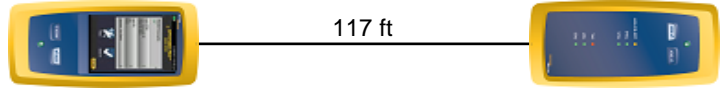
Date / Time: 05/23/2017 01:12:52 PM  
**Headroom 1.6 dB (NEXT 12-78)**  
**Test Limit: TIA Cat 6 Perm. Link**  
 Cable Type: DataTwist 2412, 24 CMR/NH  
 NVP: 70.0%

Operator: Lynch Networks  
 Software Version: V5.0 Build 3  
 Limits Version: V5.0  
 Calibration Start Date:  
 Main (Module): 09/19/2016  
 Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000  
 Main S/N: 3488232  
 Remote S/N: 3488228  
 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



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	12-78	12-78	12-78
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 01:14:31 PM

**Headroom 4.1 dB (NEXT 12-45)**

**Test Limit: TIA Cat 6 Perm. Link**

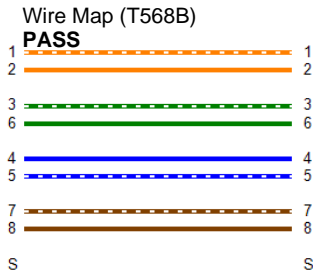
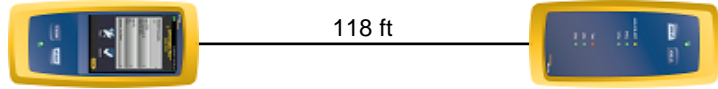
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	36-78	12-45	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 01:15:35 PM

**Headroom 6.1 dB (NEXT 12-36)**

**Test Limit: TIA Cat 6 Perm. Link**

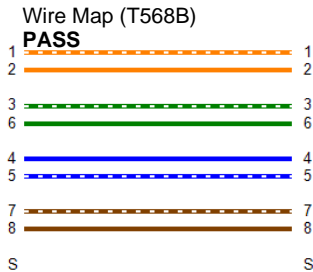
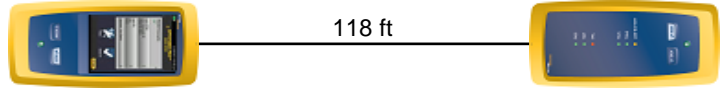
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

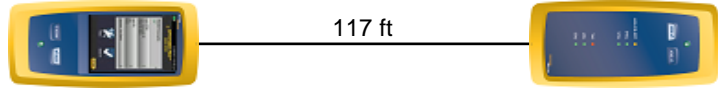
Main S/N: 3488232

Remote S/N: 3488228

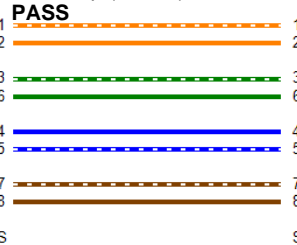
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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**

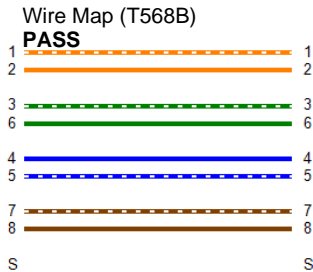
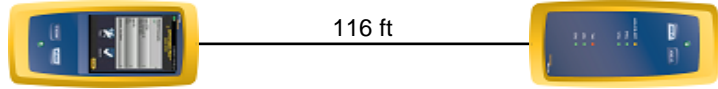
Date / Time: 05/23/2017 01:16:31 PM  
**Headroom 4.6 dB (NEXT 12-36)**  
**Test Limit: TIA Cat 6 Perm. Link**  
 Cable Type: DataTwist 2412, 24 CMR/NH  
 NVP: 70.0%

Operator: Lynch Networks  
 Software Version: V5.0 Build 3  
 Limits Version: V5.0  
 Calibration Start Date:  
 Main (Module): 09/19/2016  
 Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000  
 Main S/N: 3488232  
 Remote S/N: 3488228  
 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



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-36	12-45	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

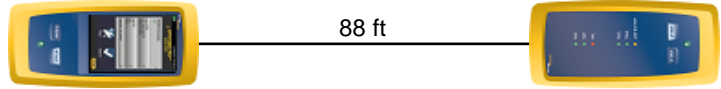
Main S/N: 3488232

Remote S/N: 3488228

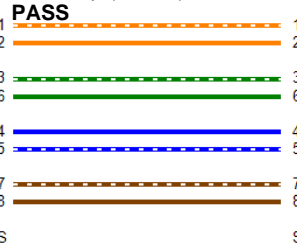
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

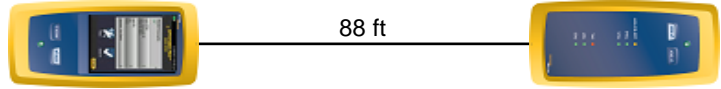
Main S/N: 3488232

Remote S/N: 3488228

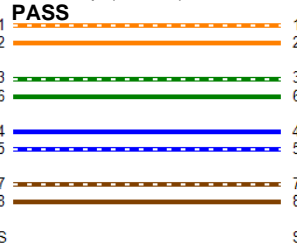
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

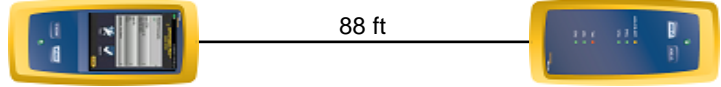
Main S/N: 3488232

Remote S/N: 3488228

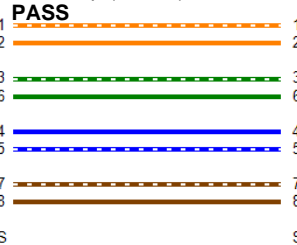
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

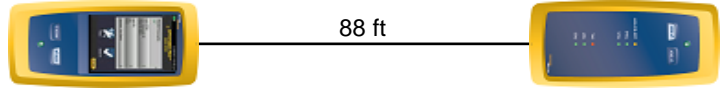
Main S/N: 3488232

Remote S/N: 3488228

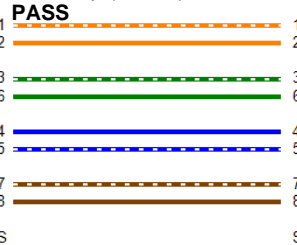
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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**

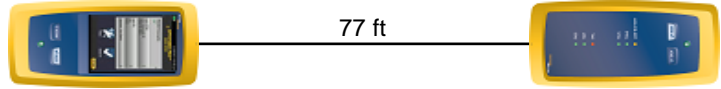
Date / Time: 05/23/2017 01:24:05 PM  
**Headroom 4.6 dB (NEXT 12-36)**  
**Test Limit: TIA Cat 6 Perm. Link**  
 Cable Type: DataTwist 2412, 24 CMR/NH  
 NVP: 70.0%

Operator: Lynch Networks  
 Software Version: V5.0 Build 3  
 Limits Version: V5.0  
 Calibration Start Date:  
 Main (Module): 09/19/2016  
 Remote (Module): 09/30/2016

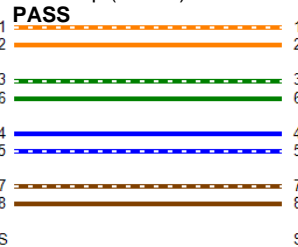
**Test Summary: PASS**

Model: DSX-5000  
 Main S/N: 3488232  
 Remote S/N: 3488228  
 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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

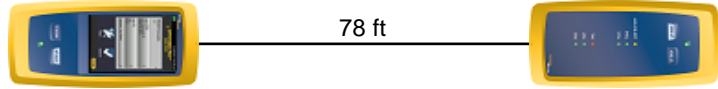
Main S/N: 3488232

Remote S/N: 3488228

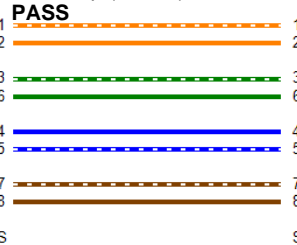
Main Adapter: DSX-PLA004

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



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	12-36	36-45
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

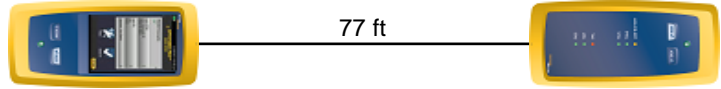
Main S/N: 3488232

Remote S/N: 3488228

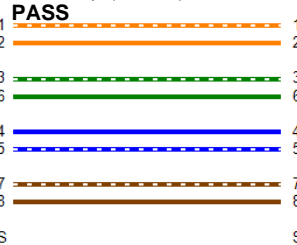
Main Adapter: DSX-PLA004

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



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	12-36	12-36	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 01:25:52 PM

**Headroom 3.4 dB (NEXT 12-36)**

**Test Limit: TIA Cat 6 Perm. Link**

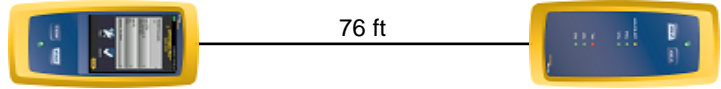
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

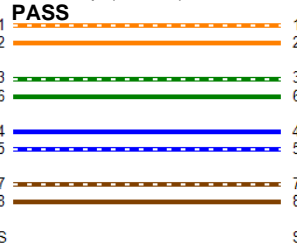
**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-36	12-78	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

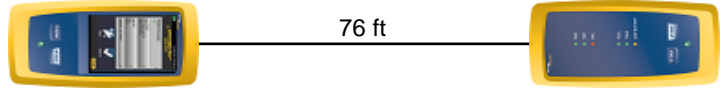
Main S/N: 3488232

Remote S/N: 3488228

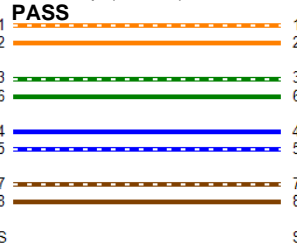
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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**

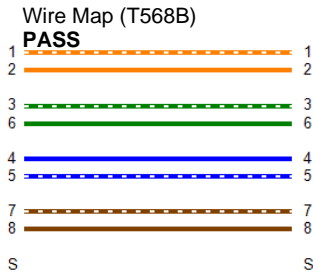
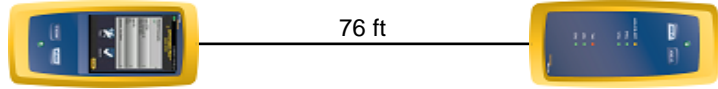
Date / Time: 05/23/2017 01:26:38 PM  
**Headroom 4.9 dB (NEXT 36-45)**  
**Test Limit: TIA Cat 6 Perm. Link**  
 Cable Type: DataTwist 2412, 24 CMR/NH  
 NVP: 70.0%

Operator: Lynch Networks  
 Software Version: V5.0 Build 3  
 Limits Version: V5.0  
 Calibration Start Date:  
 Main (Module): 09/19/2016  
 Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000  
 Main S/N: 3488232  
 Remote S/N: 3488228  
 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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 01:30:34 PM

**Headroom 4.5 dB (NEXT 12-36)**

**Test Limit: TIA Cat 6 Perm. Link**

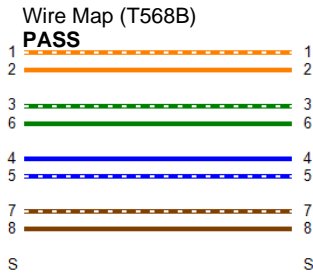
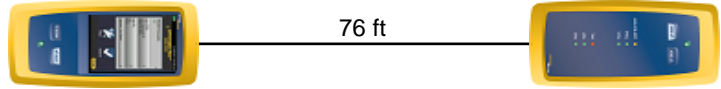
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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**

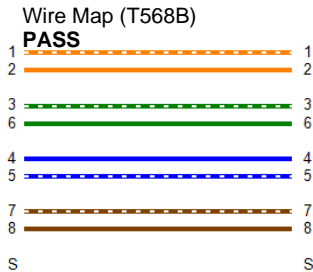
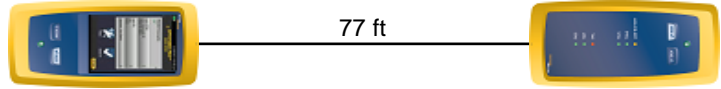
Date / Time: 05/23/2017 01:30:51 PM  
**Headroom 6.4 dB (NEXT 12-78)**  
**Test Limit: TIA Cat 6 Perm. Link**  
 Cable Type: DataTwist 2412, 24 CMR/NH  
 NVP: 70.0%

Operator: Lynch Networks  
 Software Version: V5.0 Build 3  
 Limits Version: V5.0  
 Calibration Start Date:  
 Main (Module): 09/19/2016  
 Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000  
 Main S/N: 3488232  
 Remote S/N: 3488228  
 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



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-78	36-45	12-78
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

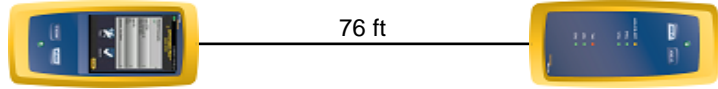
Main S/N: 3488232

Remote S/N: 3488228

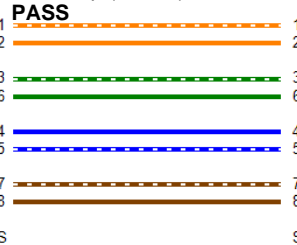
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

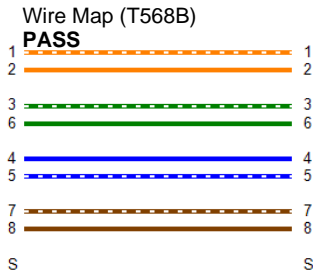
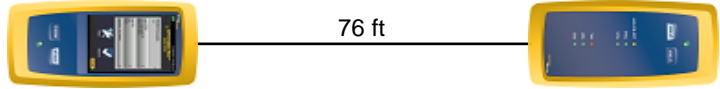
Main S/N: 3488232

Remote S/N: 3488228

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



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

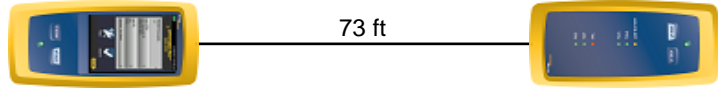
Main S/N: 3488232

Remote S/N: 3488228

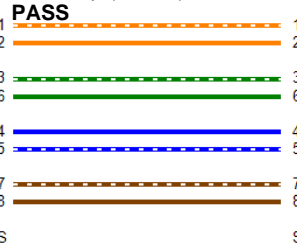
Main Adapter: DSX-PLA004

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



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-45	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

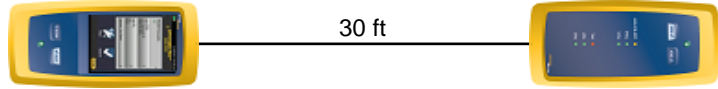
Main S/N: 3488232

Remote S/N: 3488228

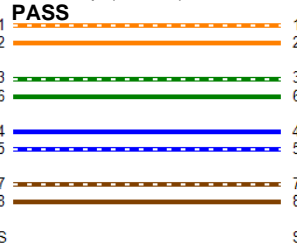
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

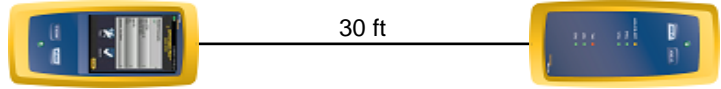
Main S/N: 3488232

Remote S/N: 3488228

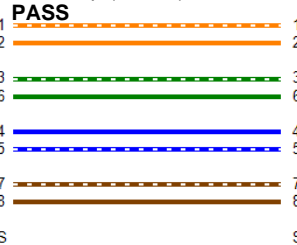
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

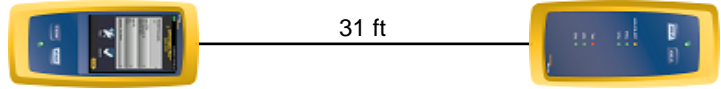
Main S/N: 3488232

Remote S/N: 3488228

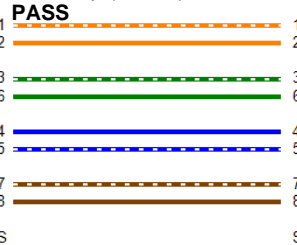
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

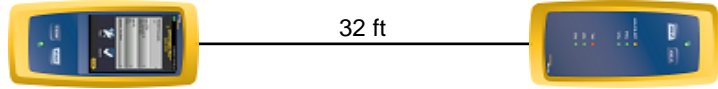
Main S/N: 3488232

Remote S/N: 3488228

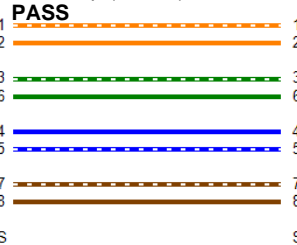
Main Adapter: DSX-PLA004

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

<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-36	12-45	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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

<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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

<b>N/A</b>	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-36
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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

<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	45	78	45	78
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

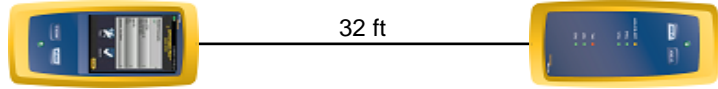
Main S/N: 3488232

Remote S/N: 3488228

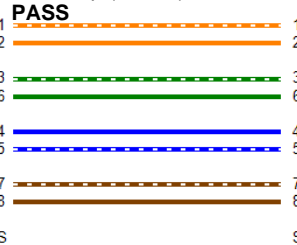
Main Adapter: DSX-PLA004

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

<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-36	12-45	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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

<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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

<b>N/A</b>	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-36
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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

<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	45	78	45	78
<b>RL (dB)</b>	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: 05/23/2017 02:00:27 PM

**Headroom 3.6 dB (NEXT 12-36)**

**Test Limit: TIA Cat 6 Perm. Link**

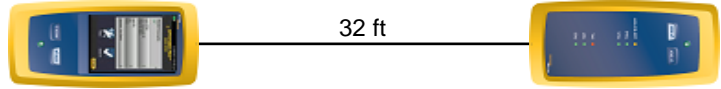
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

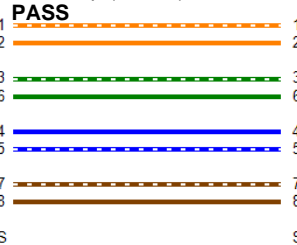
**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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

<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-45	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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

<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	45-36	45-36	45-36	36-45
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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

<b>N/A</b>	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-36
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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

<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	45	78	45	78
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

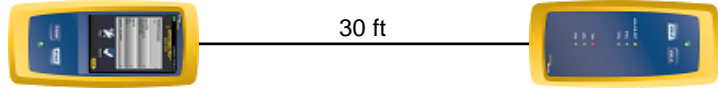
Main S/N: 3488232

Remote S/N: 3488228

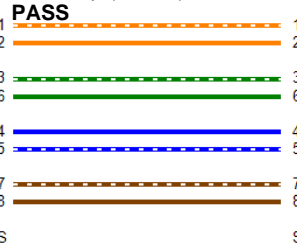
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

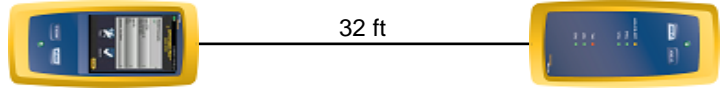
Main S/N: 3488232

Remote S/N: 3488228

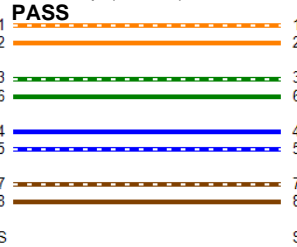
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

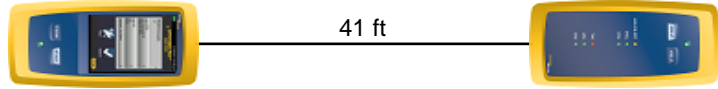
Main S/N: 3488232

Remote S/N: 3488228

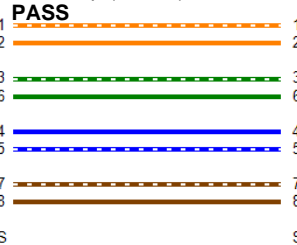
Main Adapter: DSX-PLA004

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

<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	36-45
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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

<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-12	78-12	12-36
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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

<b>N/A</b>	MAIN	SR	MAIN	SR
Worst Pair	45-78	45-78	45-78	36-45
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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

<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	36	78	36	78
<b>RL (dB)</b>	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: 05/23/2017 03:04:43 PM

**Headroom 2.5 dB (NEXT 12-36)**

**Test Limit: TIA Cat 6 Perm. Link**

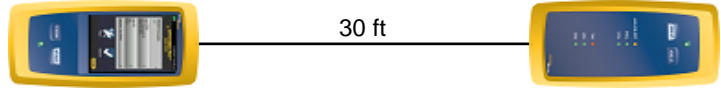
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

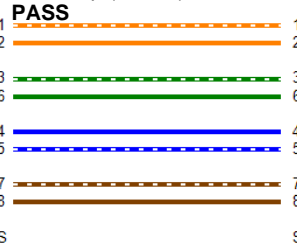
**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

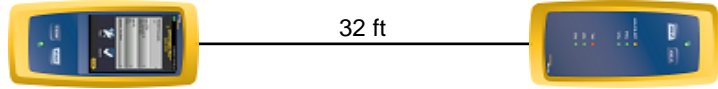
Main S/N: 3488232

Remote S/N: 3488228

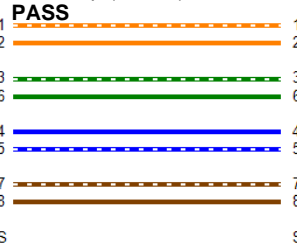
Main Adapter: DSX-PLA004

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



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-36	12-45	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

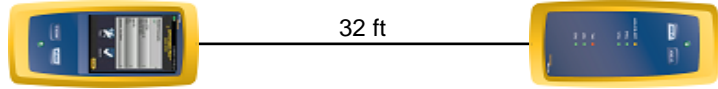
Main S/N: 3488232

Remote S/N: 3488228

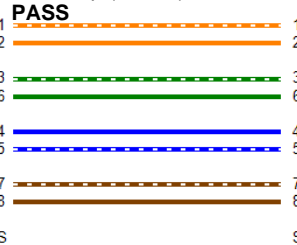
Main Adapter: DSX-PLA004

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

<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-36	12-45	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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

<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	45-36	36-45
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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

<b>N/A</b>	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-36
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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

<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

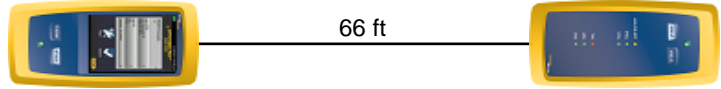
Main S/N: 3488232

Remote S/N: 3488228

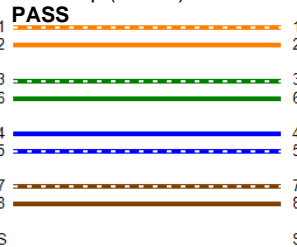
Main Adapter: DSX-PLA004

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



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	36-45
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

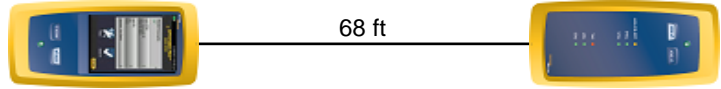
Main S/N: 3488232

Remote S/N: 3488228

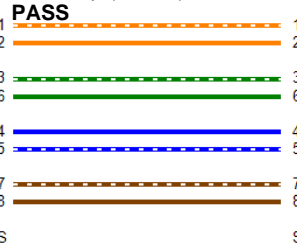
Main Adapter: DSX-PLA004

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



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 03:17:42 PM

**Headroom 4.5 dB (NEXT 36-45)**

**Test Limit: TIA Cat 6 Perm. Link**

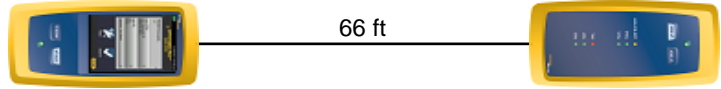
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

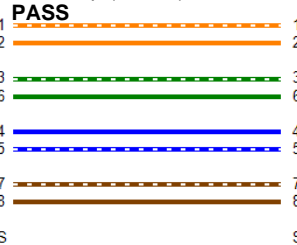
**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 03:19:36 PM

**Headroom 5.4 dB (NEXT 12-36)**

**Test Limit: TIA Cat 6 Perm. Link**

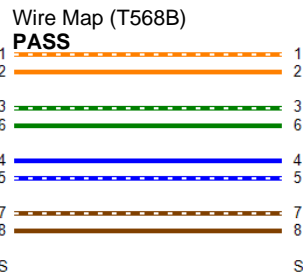
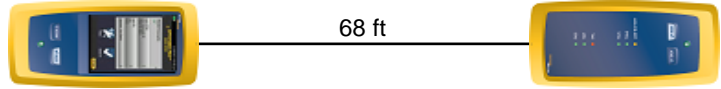
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	36-45	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

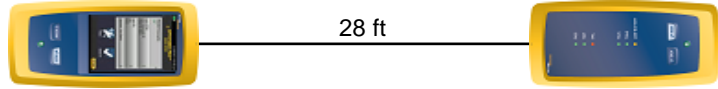
Main S/N: 3488232

Remote S/N: 3488228

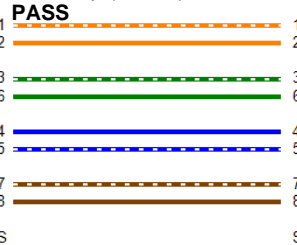
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 03:23:05 PM

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

**Test Limit: TIA Cat 6 Perm. Link**

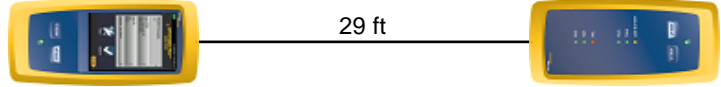
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

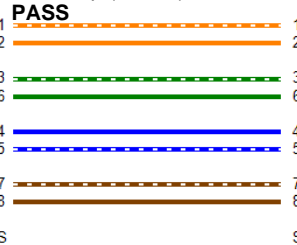
**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

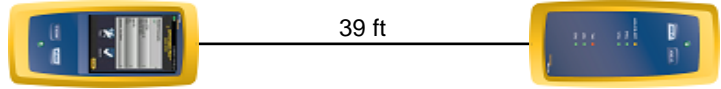
Main S/N: 3488232

Remote S/N: 3488228

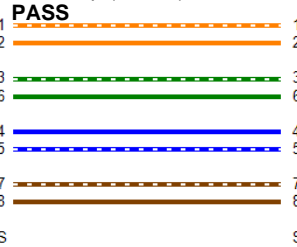
Main Adapter: DSX-PLA004

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

<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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

<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	78-12
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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

<b>N/A</b>	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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

<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	36
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

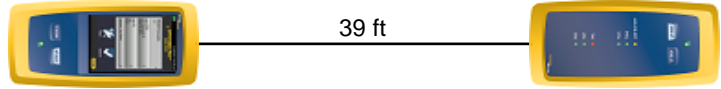
Main S/N: 3488232

Remote S/N: 3488228

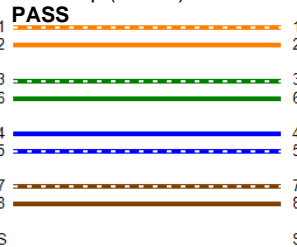
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

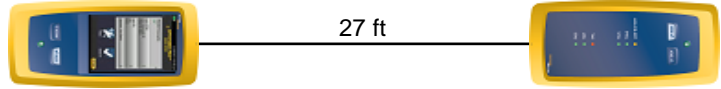
Main S/N: 3488232

Remote S/N: 3488228

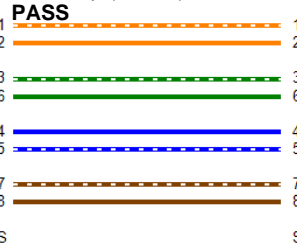
Main Adapter: DSX-PLA004

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



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-36	12-45	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

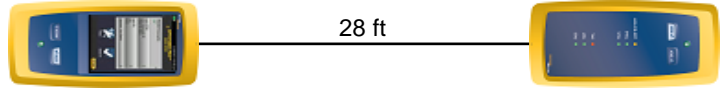
Main S/N: 3488232

Remote S/N: 3488228

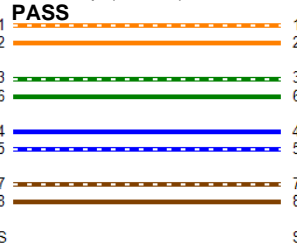
Main Adapter: DSX-PLA004

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



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

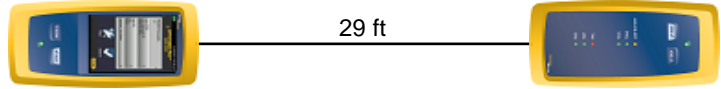
Main S/N: 3488232

Remote S/N: 3488228

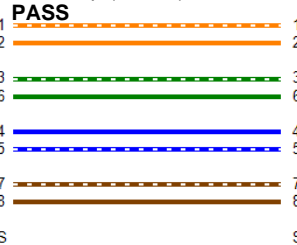
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

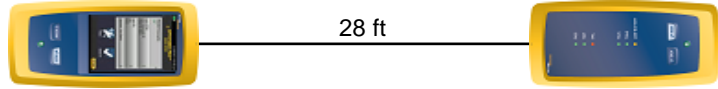
Main S/N: 3488232

Remote S/N: 3488228

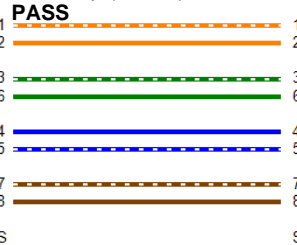
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

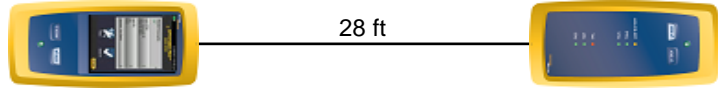
Main S/N: 3488232

Remote S/N: 3488228

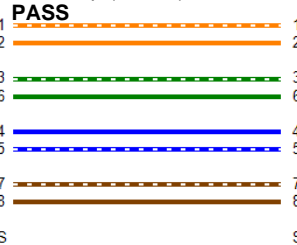
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

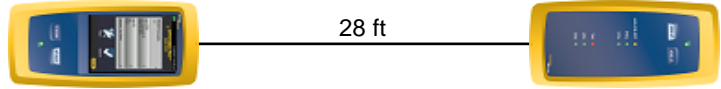
Main S/N: 3488232

Remote S/N: 3488228

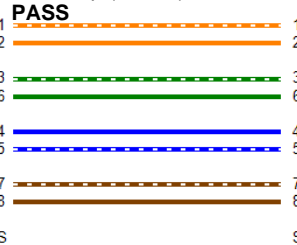
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 03:44:44 PM

**Headroom 3.4 dB (NEXT 36-45)**

**Test Limit: TIA Cat 6 Perm. Link**

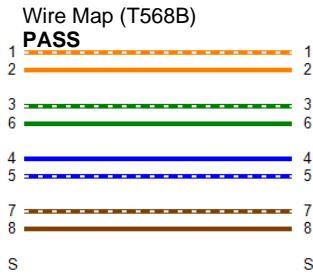
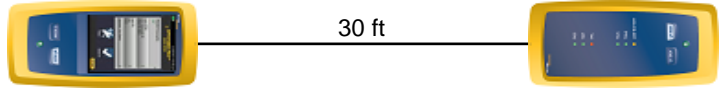
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-45	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

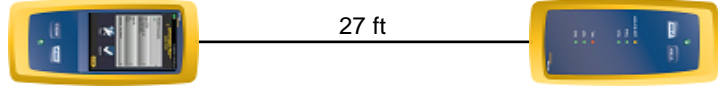
Main S/N: 3488232

Remote S/N: 3488228

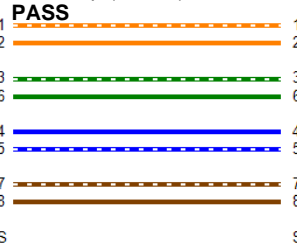
Main Adapter: DSX-PLA004

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



Wire Map (T568B)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-36	12-45	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

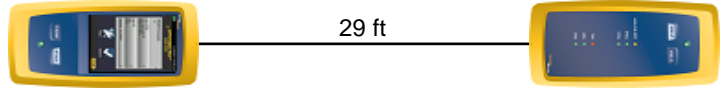
Main S/N: 3488232

Remote S/N: 3488228

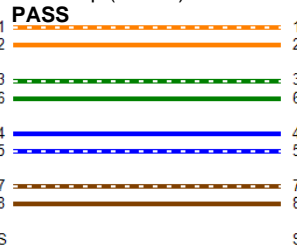
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

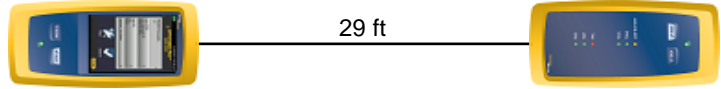
Main S/N: 3488232

Remote S/N: 3488228

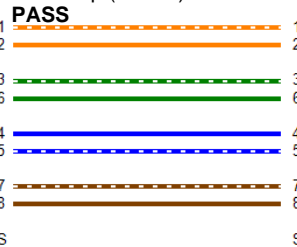
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 03:31:18 PM

**Headroom 2.7 dB (NEXT 12-36)**

**Test Limit: TIA Cat 6 Perm. Link**

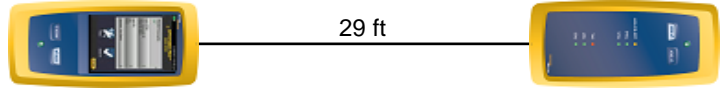
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

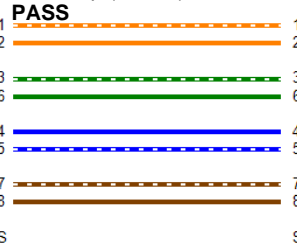
**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

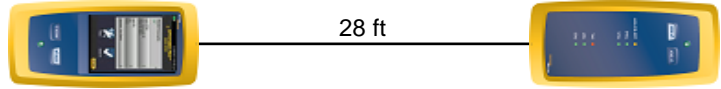
Main S/N: 3488232

Remote S/N: 3488228

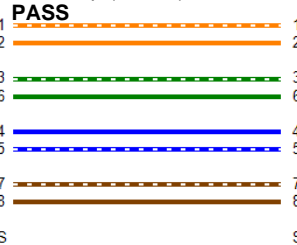
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

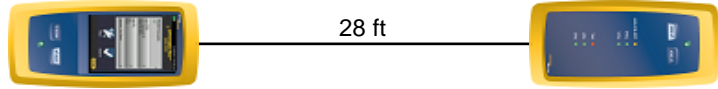
Main S/N: 3488232

Remote S/N: 3488228

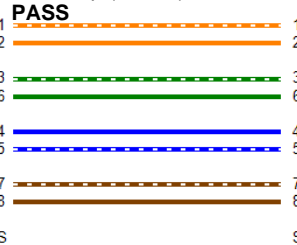
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

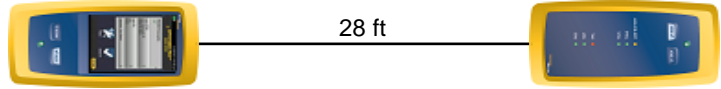
Main S/N: 3488232

Remote S/N: 3488228

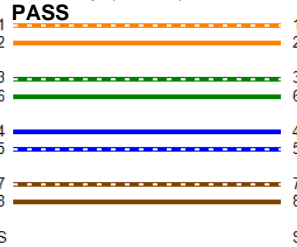
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 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: V5.0 Build 3

Limits Version: V5.0

Calibration Start Date:

Main (Module): 09/19/2016

Remote (Module): 09/30/2016

**Test Summary: PASS**

Model: DSX-5000

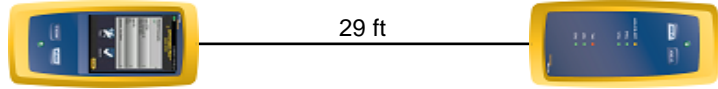
Main S/N: 3488232

Remote S/N: 3488228

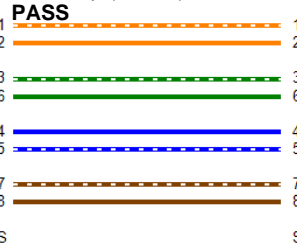
Main Adapter: DSX-PLA004

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
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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
<b>RL (dB)</b>	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: 05/23/2017 03:04:43 PM

**Headroom 2.5 dB (NEXT 12-36)**

**Test Limit: TIA Cat 6 Perm. Link**

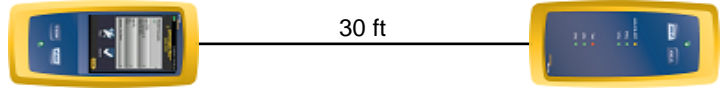
Cable Type: DataTwist 2412, 24 CMR/NH  
NVP: 70.0%

Operator: Lynch Networks  
Software Version: V5.0 Build 3  
Limits Version: V5.0  
Calibration Start Date:  
Main (Module): 09/19/2016  
Remote (Module): 09/30/2016

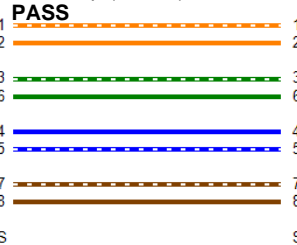
**Test Summary: PASS**

Model: DSX-5000  
Main S/N: 3488232  
Remote S/N: 3488228  
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

<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
<b>NEXT (dB)</b>	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
<b>PS NEXT (dB)</b>	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

<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	36-45	45-36
<b>ACR-F (dB)</b>	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
<b>PS ACR-F (dB)</b>	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

<b>N/A</b>	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-36	12-36	12-36
<b>ACR-N (dB)</b>	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
<b>PS ACR-N (dB)</b>	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

<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	36	78	45	45
<b>RL (dB)</b>	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