

Cable ID: FARBIN_FB-00-UU6-DCA-B3-LILBL

PASS

Cat 6 U/UTP
04/03/2024 12:42 PM

TIA Cat 6 Perm. Link (+All)
DSX-8000

Headroom (NEXT): 8.8 dB
S/N: 1703093

Tests	Detail	Status	Value	Limit	Margin
Insertion Loss (dB)	Pair 1,2, 250.0 MHz	PASS	24.1	31.1	7.0
NEXT (dB)	Pair 4,5-7,8, 205.5 MHz	PASS	45.5	36.7	8.8
PS NEXT (dB)	Pair 3,6, 246.0 MHz	PASS	42.1	32.8	9.3
ACR-N (dB)	Pair 1,2-7,8, 5.8 MHz	N/A	68.3	57.4	10.9
PS ACR-N (dB)	Pair 1,2, 5.3 MHz	N/A	66.7	55.9	10.8
ACR-F (dB)	Pair 4,5-3,6, 202.5 MHz	PASS	19.7	18.1	1.6
PS ACR-F (dB)	Pair 4,5, 228.0 MHz	PASS	17.3	14.0	3.3
RL (dB)	Pair 1,2, 54.0 MHz	PASS	24.5	16.7	7.8
TCL (dB)	Pair 4,5, 4.9 MHz	PASS	49.9	39.7	10.2
CDNEXT (dB)	Pair 1,2-3,6, 333.0 MHz		24.8		
CMRL (dB)	Pair 3,6, 2.0 MHz		4.1		
ELTCTL (dB)	Pair 3,6, 1.0 MHz	PASS	47.5	30.0	17.5
Length (m)	Pair 7,8	PASS	80.9	90.0	9.1
Prop. Delay (ns)	Pair 3,6	PASS	414	498	84
Delay Skew (ns)	Pair 3,6	PASS	23	44	21
Resistance (ohms)	Pair 3,6	PASS	11.90	21.00	9.10
Resistance Unbalance (ohms)	Pair 4,5	PASS	0.024	0.350	0.326
Resistance P2P Unbalance (ohms)	Pair 3,6-7,8	PASS	0.124	0.410	0.286
Wire Map		PASS			

Total Length:	80.9 m
Number of Reports:	1
Number of Passing Reports:	1
Number of Failing Reports:	0
Number of Warning Reports:	0
Documentation Only:	0



Cable ID: FARBIN_FB-00-UU6-DCA-B3-LILBL

Test Limit: TIA Cat 6 Perm. Link (+All)

Limits Version: V7.7

Date / Time: 04/03/2024 12:42:35 PM

Operator: FARBIN

Headroom 8.8 dB (NEXT 4,5-7,8)

Cable Type: Cat 6 U/UTP

NVP: 69.0%

Main: Versiv

S/N: 1703093

Software Version: V6.8 Build 6

Calibration Date: 05/07/2017

Adapter: DSX-8000 (DSX-PLA804)

S/N: 20305630

Test Summary: PASS

Remote: Versiv

S/N: 1703021

Software Version: V6.8 Build 6

Calibration Date: 05/07/2017

Adapter: DSX-8000R (DSX-PLA804)

S/N: 20305627

Length (m), Limit 90.0	[Pair 7,8]	80.9
Prop. Delay (ns), Limit 498	[Pair 3,6]	414
Delay Skew (ns), Limit 44	[Pair 3,6]	23
Resistance (ohms), Limit 21.00	[Pair 3,6]	11.90
Resist. Unbal. (ohms), Limit 0.350	[Pair 4,5]	0.024
Resist. P2P Unbal. (ohms), Limit 0.410	[Pair 3,6-7,8]	0.124
Insertion Loss Margin (dB)	[Pair 1,2]	7.0
Frequency (MHz)	[Pair 1,2]	250.0
Limit (dB)	[Pair 1,2]	31.1



80.9 m

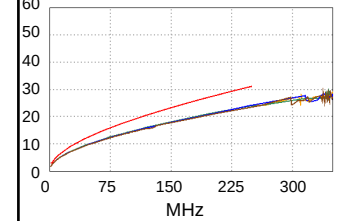


Wire Map (T568B)

PASS

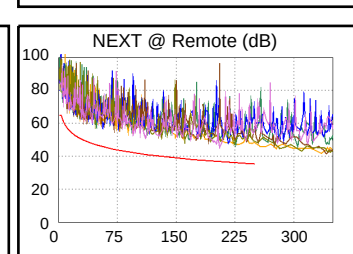
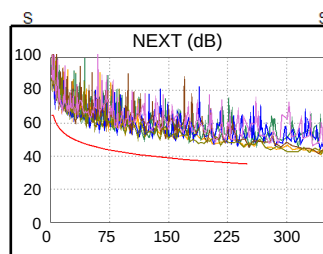


Insertion Loss (dB)

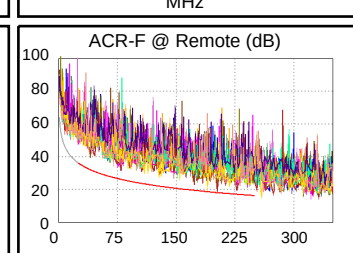
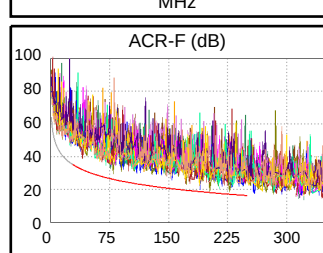


Worst Case Margin Worst Case Value

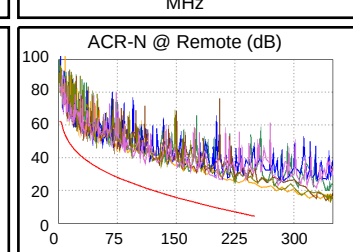
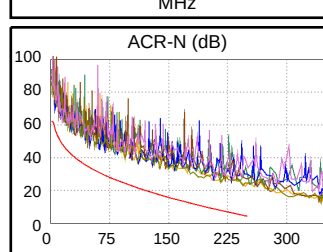
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	4,5-7,8	3,6-7,8	4,5-7,8
NEXT (dB)	9.0	8.8	10.0	8.8
Freq. (MHz)	183.0	205.5	245.5	205.5
Limit (dB)	37.6	36.7	35.5	36.7
Worst Pair	3,6	7,8	3,6	3,6
PS NEXT (dB)	9.3	9.9	9.3	10.2
Freq. (MHz)	246.0	111.0	246.0	225.0
Limit (dB)	32.8	38.6	32.8	33.5



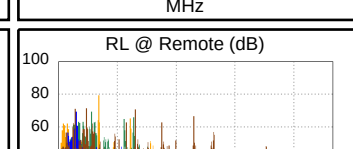
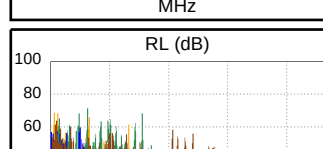
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	3,6-4,5	4,5-3,6
ACR-F (dB)	2.1	1.6	2.6	2.6
Freq. (MHz)	202.5	202.5	228.0	227.5
Limit (dB)	18.1	18.1	17.0	17.0
Worst Pair	4,5	3,6	4,5	3,6
PS ACR-F (dB)	3.3	4.5	3.3	5.5
Freq. (MHz)	228.0	202.5	228.0	228.0
Limit (dB)	14.0	15.1	14.0	14.0



N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-7,8	1,2-7,8	3,6-7,8	1,2-3,6
ACR-N (dB)	10.9	12.3	17.8	17.7
Freq. (MHz)	5.8	5.8	245.5	237.0
Limit (dB)	57.4	57.4	4.7	5.6
Worst Pair	1,2	1,2	3,6	3,6
PS ACR-N (dB)	10.8	11.8	17.0	18.8
Freq. (MHz)	5.3	5.3	246.0	247.5
Limit (dB)	55.9	55.9	2.0	1.9



PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2	3,6	1,2	1,2
RL (dB)	7.8	8.1	9.0	9.5
Freq. (MHz)	54.0	5.0	213.0	246.5
Limit (dB)	16.7	21.0	10.7	10.1



Compliant Network Standards:

10BASE-T 100BASE-TX

1000BASE-T 2.5GBASE-T

ATM-25 ATM-51

100VG-AnyLan TR-4

TR-16 Passive

100BASE-T4

5GBASE-T

ATM-155

TR-16 Active

LinkWare™ PC Version 11.5

Project: FARBIN-PRODUCT

Site: Not Set

Floor: Not Set

Rack: Not Set

FB-00-UU6-DCA-B3-LILBL.flw

Building: Not Set

Room: Not Set

Patch: Not Set

FLUKE
networks®



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Test Limit: TIA Cat 6 Perm. Link (+All)

Limits Version: V7.7

Date / Time: 04/03/2024 12:42:35 PM

Operator: FARBIN

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NVP: 69.0%

Main: Versiv

S/N: 1703093

Software Version: V6.8 Build 6

Calibration Date: 05/07/2017

Adapter: DSX-8000 (DSX-PLA804)

S/N: 20305630

Test Summary: PASS

Remote: Versiv

S/N: 1703021

Software Version: V6.8 Build 6

Calibration Date: 05/07/2017

Adapter: DSX-8000R (DSX-PLA804)

S/N: 20305627

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	4,5	1,2	1,2
TCL (dB)	11.1	10.2	15.8	13.4
Freq. (MHz)	1.3	4.9	216.0	216.5
Limit (dB)	40.0	39.7	15.0	15.0
N/A	MAIN	SR	MAIN	SR
Worst Pair			1,2-3,6	1,2-3,6
CDNEXT (dB)			24.8	24.1
Freq. (MHz)			333.0	320.0
Limit (dB)				
N/A	MAIN	SR	MAIN	SR
Worst Pair			3,6	3,6
CMRL (dB)			3.7	4.1
Freq. (MHz)			258.0	2.0
Limit (dB)				
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	1,2	1,2
ELTCTL (dB)	17.5	20.0	28.3	30.1
Freq. (MHz)	1.0	1.0	15.1	19.8
Limit (dB)	30.0	30.0	6.4	4.1

