

Cable ID: FB-00-SF6A/7-CCA-R3-LB

PASS

Cat 6A S/FTP
04/14/2025 08:29 AM

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

Headroom (NEXT): 9.6 dB
S/N: 1703093

Tests	Detail	Status	Value	Limit	Margin
Insertion Loss (dB)	Pair 3,6, 500.0 MHz	PASS	38.7	43.8	5.1
NEXT (dB)	Pair 3,6-4,5, 3.6 MHz	PASS	74.4	64.8	9.6
PS NEXT (dB)	Pair 3,6, 498.0 MHz	PASS	33.3	23.8	9.5
ACR-N (dB)	Pair 3,6-4,5, 3.6 MHz	N/A	71.2	61.4	9.8
PS ACR-N (dB)	Pair 4,5, 4.9 MHz	N/A	68.7	56.6	12.1
ACR-F (dB)	Pair 7,8-4,5, 37.8 MHz	PASS	50.7	32.7	18.0
PS ACR-F (dB)	Pair 4,5, 29.3 MHz	PASS	49.8	31.9	17.9
RL (dB)	Pair 3,6, 4.0 MHz	PASS	27.0	21.0	6.0
TCL (dB)	Pair 3,6, 3.0 MHz	PASS	45.5	40.0	5.5
CDNEXT (dB)	Pair 7,8-3,6, 497.0 MHz		24.2		
CMRL (dB)	Pair 3,6, 489.0 MHz		9.2		
ELTCTL (dB)	Pair 3,6, 1.0 MHz	PASS	46.1	30.0	16.1
Length (m)	Pair 4,5	PASS	90.1	90.0	-0.1
Prop. Delay (ns)	Pair 3,6	PASS	411	498	87
Delay Skew (ns)	Pair 3,6	PASS	5	44	39
Resistance (ohms)	Pair 3,6	PASS	13.38	21.00	7.62
Resistance Unbalance (ohms)	Pair 4,5	PASS	0.065	0.390	0.325
Resistance P2P Unbalance (ohms)	Pair 3,6-4,5	PASS	0.069	0.460	0.391
Wire Map		PASS			

Total Length:	90.1 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: FB-00-SF6A/7-CCA-R3-LB

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

Limits Version: V7.10

Date / Time: 04/14/2025 08:29:07 AM

Operator: FARBIN

Headroom 9.6 dB (NEXT 3,6-4,5)

Cable Type: Cat 6A S/FTP

NVP: 74.0%

Main: Versiv

S/N: 1703093

Software Version: V6.12 Build 2

Calibration Date: 05/07/2017

Adapter: DSX-8000 (DSX-PLA804)

S/N: 20305627

Test Summary: PASS

Remote: Versiv

S/N: 1703021

Software Version: V6.12 Build 2

Calibration Date: 05/07/2017

Adapter: DSX-8000R (DSX-PLA804)

S/N: 20305630

Length (m), Limit 90.0	[Pair 4,5]	90.1
Prop. Delay (ns), Limit 498	[Pair 3,6]	411
Delay Skew (ns), Limit 44	[Pair 3,6]	5
Resistance (ohms), Limit 21.00	[Pair 3,6]	13.38
Resist. Unbal. (ohms), Limit 0.390	[Pair 4,5]	0.065
Resist. P2P Unbal. (ohms), Limit 0.460	[Pair 3,6-4,5]	0.069
Insertion Loss Margin (dB)	[Pair 3,6]	5.1
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	43.8



90.1 m

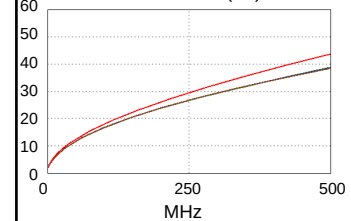


Wire Map (T568B)

PASS

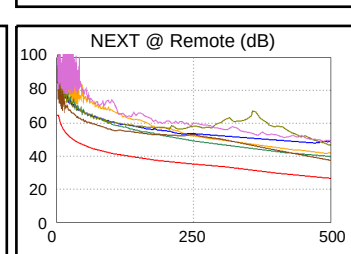
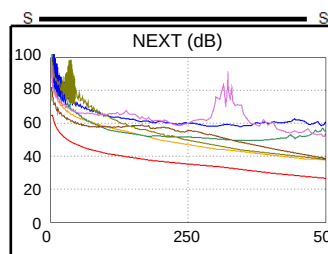


Insertion Loss (dB)

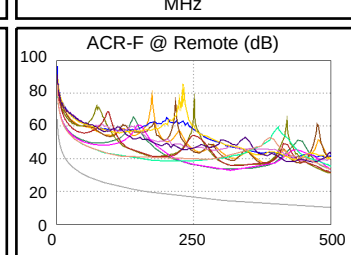
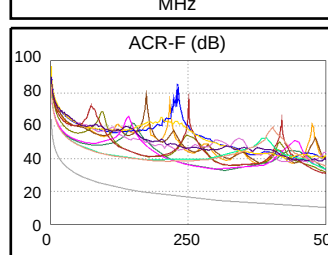


Worst Case Margin Worst Case Value

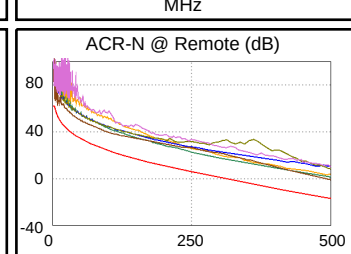
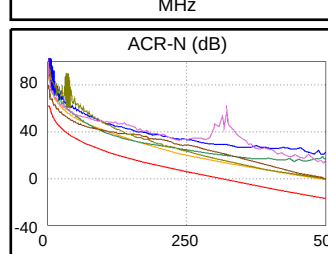
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
NEXT (dB)	9.6	10.8	11.2	10.8
Freq. (MHz)	3.6	500.0	500.0	500.0
Limit (dB)	64.8	26.7	26.7	26.7
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	9.5	11.5	9.5	11.5
Freq. (MHz)	498.0	500.0	498.0	500.0
Limit (dB)	23.8	23.8	23.8	23.8



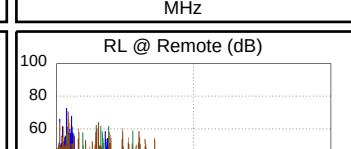
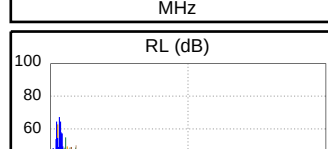
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-4,5	4,5-7,8	1,2-4,5	4,5-1,2
ACR-F (dB)	18.0	18.1	18.6	18.7
Freq. (MHz)	37.8	73.5	316.0	317.0
Limit (dB)	32.7	26.9	14.2	14.2
Worst Pair	4,5	4,5	4,5	4,5
PS ACR-F (dB)	17.9	18.2	21.4	20.7
Freq. (MHz)	29.3	1.5	500.0	500.0
Limit (dB)	31.9	57.7	7.2	7.2



N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	1,2-3,6	3,6-4,5
ACR-N (dB)	9.8	11.5	16.3	16.0
Freq. (MHz)	3.6	3.6	500.0	500.0
Limit (dB)	61.4	61.4	-17.1	-17.1
Worst Pair	4,5	4,5	3,6	4,5
PS ACR-N (dB)	12.1	13.7	14.4	16.7
Freq. (MHz)	4.9	3.6	498.0	500.0
Limit (dB)	56.6	58.6	-19.8	-20.0



PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	4,5	7,8
RL (dB)	6.9	6.0	11.2	9.9
Freq. (MHz)	4.0	4.0	440.0	494.0
Limit (dB)	21.0	21.0	8.0	8.0



Compliant Network Standards:

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



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Operator: FARBIN
Headroom 9.6 dB (NEXT 3,6-4,5)
Cable Type: Cat 6A S/FTP
NVP: 74.0%

Main: Versiv
S/N: 1703093
Software Version: V6.12 Build 2
Calibration Date: 05/07/2017
Adapter: DSX-8000 (DSX-PLA804)
S/N: 20305627

Test Summary: PASS

Remote: Versiv
S/N: 1703021
Software Version: V6.12 Build 2
Calibration Date: 05/07/2017
Adapter: DSX-8000R (DSX-PLA804)
S/N: 20305630

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	1,2	1,2
TCL (dB)	5.5	6.1	18.2	20.9
Freq. (MHz)	3.0	3.1	497.0	500.0
Limit (dB)	40.0	40.0	9.6	9.5
N/A	MAIN	SR	MAIN	SR
Worst Pair			7,8-3,6	7,8-3,6
CDNEXT (dB)			24.2	24.2
Freq. (MHz)			497.0	499.0
Limit (dB)				
N/A	MAIN	SR	MAIN	SR
Worst Pair			3,6	3,6
CMRL (dB)			8.9	9.2
Freq. (MHz)			492.0	489.0
Limit (dB)				
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	3,6	3,6
ELTCTL (dB)	16.1	16.7	20.7	20.6
Freq. (MHz)	1.0	9.1	25.5	25.8
Limit (dB)	30.0	10.8	1.9	1.8

