

Cable ID: 003

Cat 6 U/UTP
08/16/2024 01:43 PM

ISO11801 Channel Class E
DSX-8000

Headroom (NEXT): 5.3 dB
S/N: 1903059

PASS

Tests	Detail	Status	Value	Limit	Margin
Insertion Loss (dB)	Pair 1,2, 249.5 MHz	PASS	29.9	35.9	6.0
NEXT (dB)	Pair 4,5-7,8, 248.5 MHz	PASS	38.5	33.2	5.3
PS NEXT (dB)	Pair 3,6, 7.8 MHz	PASS	63.4	55.8	7.6
ACR-N (dB)	Pair 3,6-4,5, 7.8 MHz	PASS	59.8	52.6	7.2
PS ACR-N (dB)	Pair 3,6, 7.8 MHz	PASS	58.5	50.0	8.5
ACR-F (dB)	Pair 7,8-1,2, 165.5 MHz	PASS	23.7	18.9	4.8
PS ACR-F (dB)	Pair 1,2, 166.0 MHz	PASS	22.8	15.9	6.9
RL (dB)	Pair 4,5, 3.6 MHz	PASS	25.2	19.0	6.2
Length (m)	Pair 4,5	N/A	93.0	100.0	7.0
Prop. Delay (ns)	Pair 1,2	PASS	495	555	60
Delay Skew (ns)	Pair 1,2	PASS	18	50	32
Resistance (ohms)	Pair 3,6	PASS	16.78	25.00	8.22
Wire Map		PASS			

Cable ID: 002

Cat 6 U/UTP
08/16/2024 01:39 PM

TIA Cat 6 Channel
DSX-8000

Headroom (NEXT): 4.5 dB
S/N: 1903059

PASS

Tests	Detail	Status	Value	Limit	Margin
Insertion Loss (dB)	Pair 1,2, 250.0 MHz	PASS	30.1	35.9	5.8
NEXT (dB)	Pair 4,5-7,8, 248.5 MHz	PASS	37.7	33.2	4.5
PS NEXT (dB)	Pair 4,5, 3.0 MHz	PASS	68.9	62.0	6.9
ACR-N (dB)	Pair 3,6-4,5, 3.0 MHz	N/A	67.1	61.5	5.6
PS ACR-N (dB)	Pair 4,5, 3.0 MHz	N/A	65.9	58.5	7.4
ACR-F (dB)	Pair 1,2-7,8, 199.0 MHz	PASS	21.3	17.3	4.0
PS ACR-F (dB)	Pair 7,8, 199.0 MHz	PASS	19.7	14.3	5.4
RL (dB)	Pair 4,5, 3.5 MHz	PASS	25.3	19.0	6.3
Length (m)	Pair 4,5	PASS	93.0	100.0	7.0
Prop. Delay (ns)	Pair 1,2	PASS	495	555	60
Delay Skew (ns)	Pair 1,2	PASS	18	50	32
Resistance (ohms)	Pair 3,6		16.80		
Wire Map		PASS			

Total Length:	186.0 m
Number of Reports:	2
Number of Passing Reports:	2
Number of Failing Reports:	0
Number of Warning Reports:	0
Documentation Only:	0



Cable ID: 003

Test Limit: ISO11801 Channel Class E

Limits Version: V7.9

Date / Time: 08/16/2024 01:43:06 PM

Operator: ZAFIRO

Headroom 5.3 dB (NEXT 4,5-7,8)

Cable Type: Cat 6 U/UTP

NVP: 65.0%

Main: Versiv

S/N: 1903059

Software Version: V6.11 Build 2

Calibration Date: 07/16/2024

Adapter: DSX-8000 (DSX-CHA804)

S/N: 18420550

Test Summary: PASS

Remote: Versiv

S/N: 1903056

Software Version: V6.11 Build 2

Calibration Date: 07/16/2024

Adapter: DSX-8000R (DSX-CHA804)

S/N: 18420311

Length (m), Limit 100.0	[Pair 4,5]	93.0
Prop. Delay (ns), Limit 555	[Pair 1,2]	495
Delay Skew (ns), Limit 50	[Pair 1,2]	18
Resistance (ohms), Limit 25.00	[Pair 3,6]	16.78
Insertion Loss Margin (dB)	[Pair 1,2]	6.0
Frequency (MHz)	[Pair 1,2]	249.5
Limit (dB)	[Pair 1,2]	35.9



93.0 m

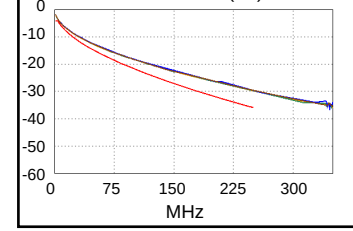


Wire Map (T568B)

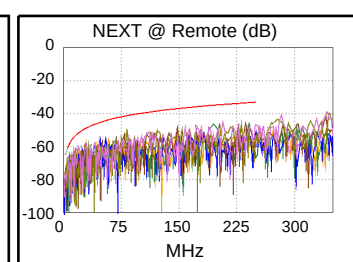
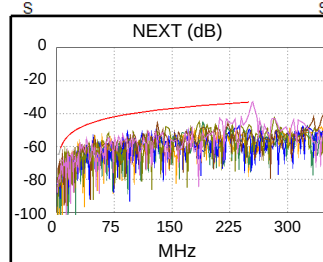
PASS



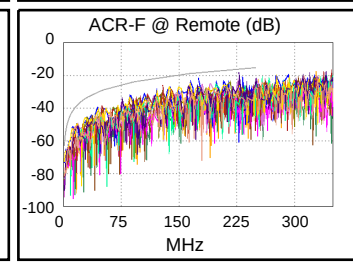
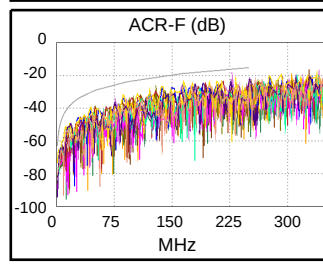
Insertion Loss (dB)



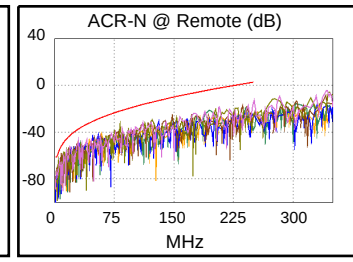
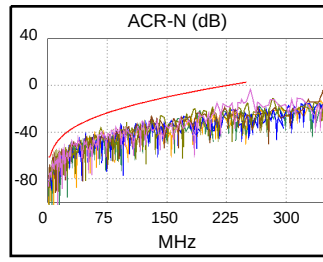
	Worst Case Margin	Worst Case Value		
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	3,6-4,5	4,5-7,8	4,5-7,8
NEXT (dB)	5.3	6.7	5.3	9.7
Freq. (MHz)	248.5	7.9	248.5	250.0
Limit (dB)	33.2	58.3	33.2	33.1
Worst Pair	3,6	3,6	7,8	7,8
PS NEXT (dB)	7.6	7.8	7.7	11.7
Freq. (MHz)	7.8	7.9	248.5	250.0
Limit (dB)	55.8	55.7	30.2	30.2



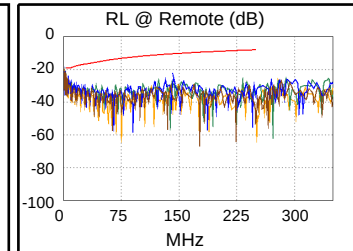
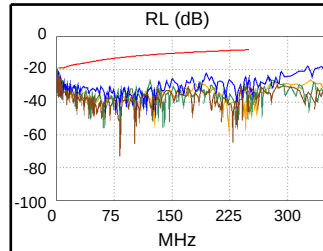
	Worst Case Margin	Worst Case Value		
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-1,2	1,2-7,8	3,6-7,8	7,8-3,6
ACR-F (dB)	4.8	4.9	5.4	5.3
Freq. (MHz)	165.5	165.5	228.5	228.5
Limit (dB)	18.9	18.9	16.1	16.1
Worst Pair	1,2	7,8	7,8	3,6
PS ACR-F (dB)	6.9	7.2	7.0	7.8
Freq. (MHz)	166.0	165.5	228.5	228.5
Limit (dB)	15.9	15.9	13.1	13.1



	Worst Case Margin	Worst Case Value		
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-7,8	4,5-7,8	4,5-7,8
ACR-N (dB)	7.2	7.6	12.2	16.5
Freq. (MHz)	7.8	4.5	248.5	250.0
Limit (dB)	52.6	57.8	-2.7	-2.8
Worst Pair	3,6	3,6	7,8	7,8
PS ACR-N (dB)	8.5	8.6	14.5	18.6
Freq. (MHz)	7.8	7.9	248.5	250.0
Limit (dB)	50.0	49.9	-5.6	-5.8



	Worst Case Margin	Worst Case Value		
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	4,5	4,5	4,5
RL (dB)	6.3	6.2	13.3	6.2
Freq. (MHz)	3.6	3.6	194.5	3.6
Limit (dB)	19.0	19.0	9.1	19.0



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 11.4

Project: PRUEBAS 16/08

Site: Not Set

Floor: Not Set

Rack: Not Set

Pruebas ZAFIRO.flw

Building: Not Set

Room: Not Set

Patch: Not Set

FLUKE
networks®



Cable ID: 002

Test Limit: TIA Cat 6 Channel

Limits Version: V7.9

Date / Time: 08/16/2024 01:39:41 PM

Operator: ZAFIRO

Headroom 4.5 dB (NEXT 4,5-7,8)

Cable Type: Cat 6 U/UTP

NVP: 65.0%

Main: Versiv

S/N: 1903059

Software Version: V6.11 Build 2

Calibration Date: 07/16/2024

Adapter: DSX-8000 (DSX-CHA804)

S/N: 18420550

Test Summary: PASS

Remote: Versiv

S/N: 1903056

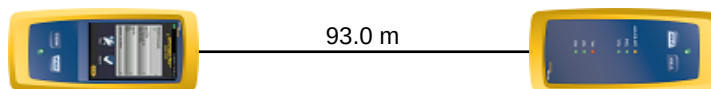
Software Version: V6.11 Build 2

Calibration Date: 07/16/2024

Adapter: DSX-8000R (DSX-CHA804)

S/N: 18420311

Length (m), Limit 100.0	[Pair 4,5]	93.0
Prop. Delay (ns), Limit 555	[Pair 1,2]	495
Delay Skew (ns), Limit 50	[Pair 1,2]	18
Resistance (ohms)	[Pair 3,6]	16.80
Insertion Loss Margin (dB)	[Pair 1,2]	5.8
Frequency (MHz)	[Pair 1,2]	250.0
Limit (dB)	[Pair 1,2]	35.9

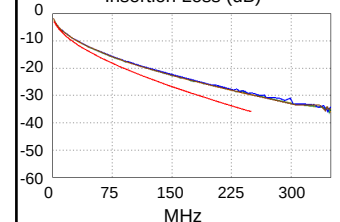


Wire Map (T568B)

PASS



Insertion Loss (dB)



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-7,8	3,6-4,5	4,5-7,8	4,5-7,8
NEXT (dB)	4.5	6.1	4.5	9.2
Freq. (MHz)	248.5	2.9	248.5	250.0
Limit (dB)	33.2	65.0	33.2	33.1
Worst Pair	4,5	7,8	7,8	7,8
PS NEXT (dB)	6.9	7.6	7.3	11.2
Freq. (MHz)	3.0	6.6	248.5	250.0
Limit (dB)	62.0	56.9	30.2	30.2

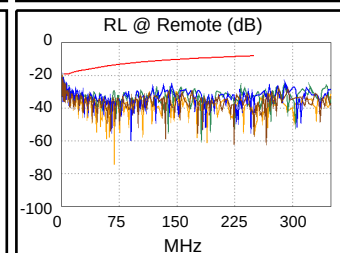
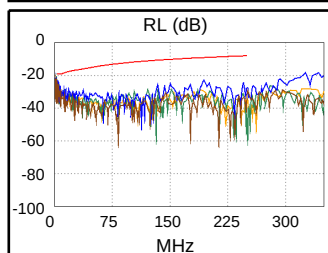
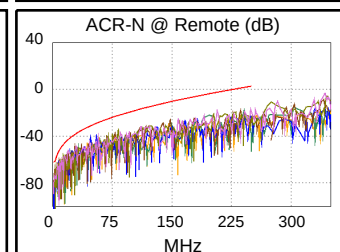
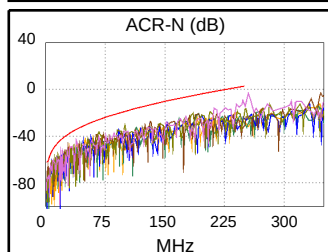
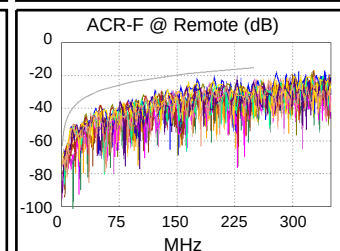
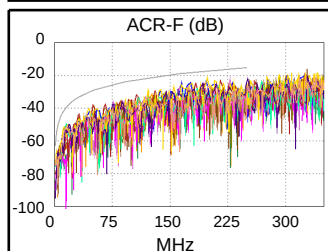
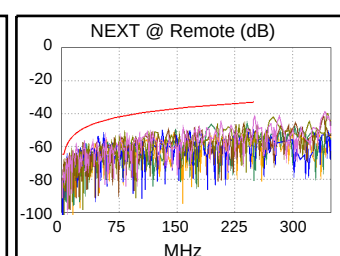
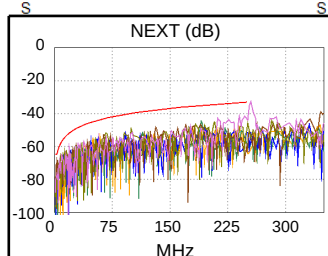
PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-1,2	1,2-7,8	7,8-1,2	1,2-7,8
ACR-F (dB)	4.1	4.0	4.1	4.0
Freq. (MHz)	199.0	199.0	199.0	199.0
Limit (dB)	17.3	17.3	17.3	17.3
Worst Pair	1,2	7,8	7,8	7,8
PS ACR-F (dB)	6.6	5.4	7.8	5.4
Freq. (MHz)	176.0	199.0	229.0	199.0
Limit (dB)	15.3	14.3	13.1	14.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	4,5-7,8	4,5-7,8
ACR-N (dB)	5.6	6.6	11.4	16.1
Freq. (MHz)	3.0	2.9	248.5	250.0
Limit (dB)	61.5	61.6	-2.7	-2.8
Worst Pair	4,5	4,5	4,5	7,8
PS ACR-N (dB)	7.4	8.2	14.1	18.2
Freq. (MHz)	3.0	2.9	248.5	250.0
Limit (dB)	58.5	58.6	-5.6	-5.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	4,5	4,5	4,5
RL (dB)	6.4	6.3	13.8	6.3
Freq. (MHz)	3.5	3.5	194.0	3.5
Limit (dB)	19.0	19.0	9.1	19.0

Compliant Network Standards:

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



LinkWare™ PC Version 11.4

Project: PRUEBAS 16/08

Site: Not Set

Floor: Not Set

Rack: Not Set

Pruebas ZAFIRO.flw

Building: Not Set

Room: Not Set

Patch: Not Set

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