



Cable ID/ Test ID: 006

Test Limit: TIA Cat 6 Channel

Limits Version: V7.9

Date / Time: 04/29/2025 08:59:20 AM

Operator: RL

Headroom 15.1 dB (NEXT 1,2-3,6)

Cable Type: Cat 6 U/UTP

NVP: 69.0%

Main: Versiv

S/N: 2132080

Software Version: V6.11 Build 2

Calibration Date: 09/09/2024

Adapter: DSX-8000 (DSX-CHA804)

S/N: 21352579

Test Summary: PASS

Remote: Versiv

S/N: 2131282

Software Version: V6.11 Build 2

Calibration Date: 09/09/2024

Adapter: DSX-8000R (DSX-CHA804)

S/N: 21352587

Length (ft), Limit 328	[Pair 3,6]	20
Prop. Delay (ns), Limit 555	[Pair 1,2]	30
Delay Skew (ns), Limit 50	[Pair 1,2]	1
Resistance (ohms)	[Pair 1,2]	0.93
Insertion Loss Margin (dB)	[Pair 1,2]	34.0
Frequency (MHz)	[Pair 1,2]	250.0
Limit (dB)	[Pair 1,2]	35.9

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	1,2-3,6	4,5-7,8	4,5-7,8
NEXT (dB)	15.1	15.5	15.9	16.9
Freq. (MHz)	75.8	76.8	246.5	246.0
Limit (dB)	42.0	41.9	33.2	33.2
Worst Pair	4,5	4,5	4,5	4,5
PS NEXT (dB)	15.3	16.3	15.3	16.3
Freq. (MHz)	199.0	199.0	199.0	199.0
Limit (dB)	31.9	31.9	31.9	31.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	4,5-1,2	4,5-1,2	1,2-4,5
ACR-F (dB)	19.7	19.7	20.8	20.7
Freq. (MHz)	5.3	5.3	250.0	248.0
Limit (dB)	48.9	48.9	15.3	15.4
Worst Pair	1,2	1,2	1,2	1,2
PS ACR-F (dB)	21.4	20.6	22.6	22.5
Freq. (MHz)	1.4	1.0	250.0	250.0
Limit (dB)	57.5	60.3	12.3	12.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-4,5	4,5-7,8	4,5-7,8
ACR-N (dB)	19.8	23.8	49.6	50.8
Freq. (MHz)	3.4	1.0	246.5	247.0
Limit (dB)	60.5	62.0	-2.4	-2.5
Worst Pair	7,8	3,6	4,5	4,5
PS ACR-N (dB)	21.8	25.8	45.2	46.2
Freq. (MHz)	3.4	3.0	199.0	199.0
Limit (dB)	58.0	58.5	0.4	0.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	4,5	3,6	3,6	3,6
RL (dB)	8.6	9.1	13.9	15.1
Freq. (MHz)	1.0	5.1	235.5	250.0
Limit (dB)	19.0	19.0	8.3	8.0

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		

