

Cable ID: C/LEON-01
 DENELEC
 SITE: COL/INGENIEROS/LEON
 OPERATOR: JOSE DE LA PEÑA
 Standards Version: 5.12
 Software Version: 4.912
 NVP: 69.0% FAULT ANOMALY THRESHOLD: 15%
 SHIELD TEST: N/A

Test Summary: PASS
 HEADROOM: 3.3 dB (NEXT @ Remote 36-45)
 Date / Time: 02/12/2004 12:03:50pm
 Test Standard: TIA Cat 5e Channel
 Cable Type: UTP 100 Ohm Cat 5e
 FLUKE DSP-4100 S/N: 7380091 LIA013
 FLUKE DSP-4100SR S/N: 7380091 LIA012

Wire Map PASS

Result RJ45 PIN: 1 2 3 4 5 6 7 8 S

RJ45 PIN: 1 2 3 4 5 6 7 8

Pair	Length		Prop. Delay		Delay Skew		Resistance		Impedance		Attenuation			
	(ft)	Limit	ns	Limit	ns	Limit	ohms	Limit	ohms	Limit	(ft)	Result (dB)	Freq. (MHz)	Limit (dB)
12	38	328	56	555	1	50						2.5	100.0	24.0
36	38	328	56	555	1	50						2.5	100.0	24.0
45	38	328	56	555	1	50						2.6	96.4	23.5
78	37	328	55	555	0	50						2.5	100.0	24.0

Main Results

Remote Results

Pair	Worst Margin			Worst Value			Worst Margin			Worst Value		
	Result (dB)	Freq. (MHz)	Limit (dB)	Result (dB)	Freq. (MHz)	Limit (dB)	Result (dB)	Freq. (MHz)	Limit (dB)	Result (dB)	Freq. (MHz)	Limit (dB)
RETURN LOSS												
12	26.0	100.0	0.0	26.0	100.0	0.0	23.3	100.0	0.0	23.3	100.0	0.0
36	24.6	100.0	0.0	24.6	100.0	0.0	26.5	100.0	0.0	26.5	100.0	0.0
45	24.3	100.0	0.0	24.3	100.0	0.0	21.2	100.0	0.0	21.2	100.0	0.0
78	17.5	100.0	0.0	17.5	100.0	0.0	20.7	100.0	0.0	20.7	100.0	0.0
PSNEXT												
12	48.0	53.6	31.8	44.0	95.0	27.5	43.4	94.8	27.5	43.4	94.8	27.5
36	33.4	94.8	27.5	33.4	94.8	27.5	33.2	95.0	27.5	33.2	95.2	27.4
45	33.9	94.8	27.5	33.9	94.8	27.5	33.8	95.0	27.5	33.8	95.2	27.4
78	47.3	55.0	31.6	44.2	95.8	27.4	47.0	54.2	31.7	43.0	95.0	27.5
PSACR												
12	59.9	10.7	36.2	41.5	95.0	4.1	59.3	12.0	34.9	40.9	94.8	4.2
36	66.6	1.8	53.2	31.1	94.8	4.2	66.7	1.7	53.6	30.9	95.2	4.1
45	67.2	1.8	53.2	31.4	94.8	4.2	67.0	1.7	53.6	31.3	95.2	4.1
78	76.8	1.8	53.2	41.8	95.8	3.9	59.7	10.8	36.1	40.6	95.0	4.1
NEXT												
12-36	48.9	53.6	34.8	45.8	94.6	30.5	44.6	94.8	30.5	44.6	94.8	30.5
12-45	51.0	95.8	30.4	51.0	95.8	30.4	66.7	14.4	44.4	54.4	88.4	31.0
12-78	66.1	9.0	47.8	49.3	100.0	30.1	46.9	100.0	30.1	46.9	100.0	30.1
36-45	34.0	94.8	30.5	34.0	94.8	30.5	33.8	95.0	30.5	33.8	95.2	30.4
36-78	48.7	55.0	34.6	45.5	95.4	30.4	44.5	95.0	30.5	44.5	95.0	30.5
45-78	54.2	45.2	36.0	49.9	85.6	31.2	52.7	52.8	34.9	50.9	69.2	32.9
ACR												
12-36	61.1	11.4	38.5	43.5	94.6	7.2	60.6	12.7	37.2	42.3	94.8	7.2
12-45	76.8	4.5	48.0	48.5	96.2	6.9	83.2	1.6	57.0	52.0	87.6	8.7
12-78	66.0	8.4	41.8	46.8	100.0	6.0	67.6	7.7	42.7	44.4	100.0	6.0
36-45	67.2	1.8	56.2	31.5	94.8	7.2	67.1	1.7	56.6	31.3	95.2	7.1
36-78	77.6	1.7	56.6	43.1	95.4	7.0	78.0	1.6	57.0	42.1	95.0	7.1
45-78	73.1	7.7	42.7	47.6	85.6	9.2	60.5	24.8	29.1	48.9	69.2	13.2
ELFEXT												
12-36	53.0	38.8	25.7	46.4	93.0	18.0	52.9	38.8	25.7	46.3	93.0	18.0
12-45	76.8	1.0	57.4	37.4	99.6	17.4	61.4	6.0	41.9	37.4	99.6	17.4
12-78	54.2	75.6	19.9	54.2	75.6	19.9	54.1	75.6	19.9	54.1	75.6	19.9
36-12	52.6	42.6	24.9	46.0	92.4	18.1	52.9	41.0	25.2	46.1	92.4	18.1
36-45	51.7	40.0	25.4	44.8	93.4	18.0	51.8	40.0	25.4	44.9	92.8	18.0
36-78	82.6	1.0	57.4	42.9	99.2	17.5	82.7	1.0	57.4	43.0	99.6	17.4
45-12	72.8	1.6	53.3	37.9	100.0	17.4	72.8	1.6	53.3	37.9	100.0	17.4
45-36	62.3	13.1	35.1	47.1	93.0	18.0	62.5	12.6	35.4	47.0	93.0	18.0
45-78	71.4	2.5	49.5	40.7	99.6	17.4	71.4	2.5	49.5	40.7	99.6	17.4
78-12	87.7	2.1	51.0	56.8	97.4	17.6	87.7	2.1	51.0	56.8	97.4	17.6
78-36	83.0	1.0	57.4	46.9	87.6	18.5	82.9	1.0	57.4	46.8	87.6	18.5
78-45	46.4	44.8	24.4	41.1	100.0	17.4	46.4	44.8	24.4	41.1	100.0	17.4

PSELFEXT

12	60.9	6.0	38.9	37.4	100.0	14.4	60.6	6.2	38.6	37.1	99.6	14.4
36	58.9	13.1	32.1	43.2	93.2	15.0	41.3	90.4	15.2	41.3	100.0	14.4
45	57.7	7.3	37.2	35.8	100.0	14.4	67.5	2.3	47.1	36.0	100.0	14.4
78	77.8	1.0	54.4	38.7	99.6	14.4	77.8	1.0	54.4	40.1	99.4	14.4