



**Cable ID: S1-LEGRAND CAT6 UTP ER-PERM**

Test Limit: TIA Cat 6 Perm. Link

Limits Version: V7.6

Date / Time: 06/23/2022 10:33:12 AM

Operator: MORADI

Headroom 4.1 dB (NEXT 4,5-7,8)

Cable Type: Cat 6 U/UTP

NVP: 69.0%

Main: Versiv

S/N: 2934032

Software Version: V6.6 Build 2

Calibration Date: 01/25/2020

Adapter: DSX-5000 (DSX-PLA004)

S/N: 3126110

**Test Summary: PASS**

Remote: Versiv

S/N: 2468333

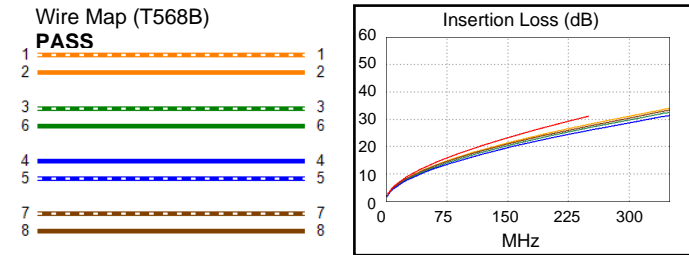
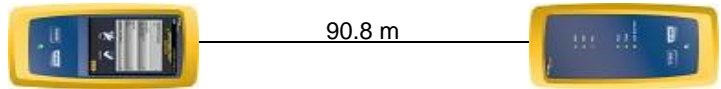
Software Version: V6.6 Build 2

Calibration Date: 08/12/2013

Adapter: DSX-5000R (DSX-PLA004)

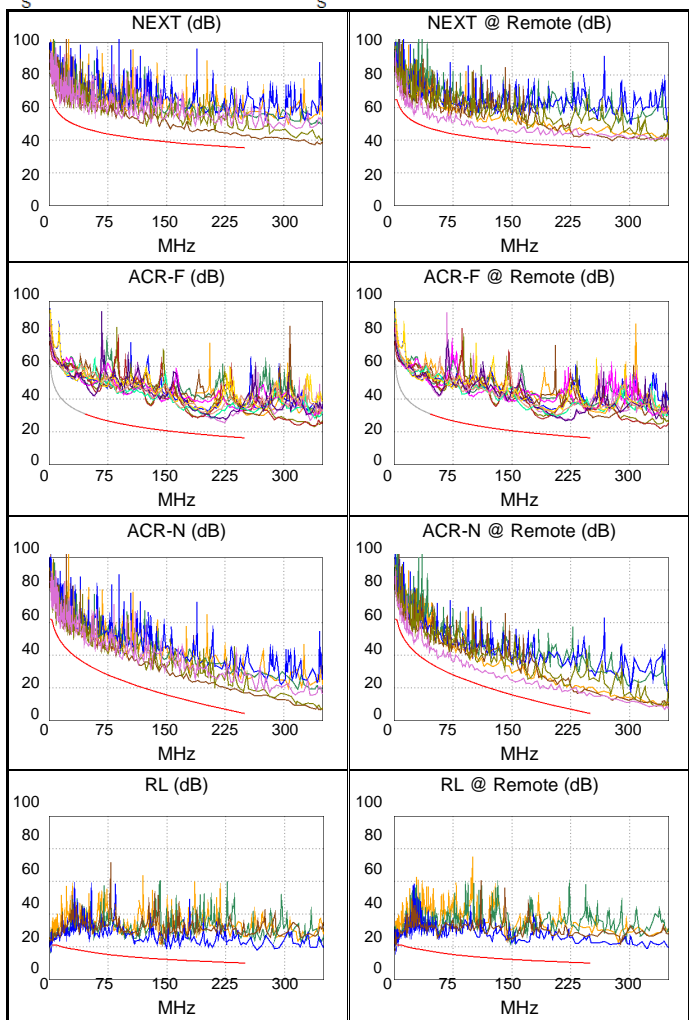
S/N: 3126109

Length (m), Limit 90.0	[Pair 4,5]	90.8
Prop. Delay (ns), Limit 498	[Pair 1,2]	460
Delay Skew (ns), Limit 44	[Pair 1,2]	21
Resistance (ohms)	[Pair 7,8]	19.28
Insertion Loss Margin (dB)	[Pair 1,2]	3.0
Frequency (MHz)	[Pair 1,2]	250.0
Limit (dB)	[Pair 1,2]	31.1



Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-7,8	3,6-4,5	3,6-4,5
<b>NEXT (dB)</b>	6.3	4.1	6.3	5.3
Freq. (MHz)	248.5	131.5	248.5	235.0
Limit (dB)	35.4	39.9	35.4	35.8
Worst Pair	3,6	4,5	3,6	4,5
<b>PS NEXT (dB)</b>	7.3	5.8	7.3	5.8
Freq. (MHz)	248.5	234.5	248.5	234.5
Limit (dB)	32.7	33.2	32.7	33.2
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	7,8-3,6	3,6-7,8	7,8-3,6
<b>ACR-F (dB)</b>	8.2	9.0	8.2	9.0
Freq. (MHz)	224.0	224.0	224.0	224.0
Limit (dB)	17.2	17.2	17.2	17.2
Worst Pair	7,8	7,8	7,8	7,8
<b>PS ACR-F (dB)</b>	10.0	10.0	10.5	10.0
Freq. (MHz)	207.0	206.5	224.0	206.5
Limit (dB)	14.9	14.9	14.2	14.9
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	4,5-7,8	3,6-4,5	4,5-7,8
<b>ACR-N (dB)</b>	7.4	4.9	11.4	10.2
Freq. (MHz)	8.9	25.0	248.5	245.0
Limit (dB)	53.4	42.7	4.4	4.7
Worst Pair	7,8	7,8	3,6	4,5
<b>PS ACR-N (dB)</b>	8.7	6.9	11.5	11.6
Freq. (MHz)	4.5	25.1	249.0	245.0
Limit (dB)	57.3	40.2	1.7	2.1
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	4,5	4,5	4,5
<b>RL (dB)</b>	1.1 *	0.8 *	9.2	10.8
Freq. (MHz)	3.9	3.9	249.0	233.5
Limit (dB)	21.0	21.0	10.0	10.3



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

\* Measurement is within the accuracy limits of the instrument.