



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

Test Limit: TIA Cat 6 Perm. Link

Limits Version: V7.6

Date / Time: 06/23/2022 10:58:39 AM

Operator: MORADI

Headroom 4.4 dB (NEXT 3,6-7,8)

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

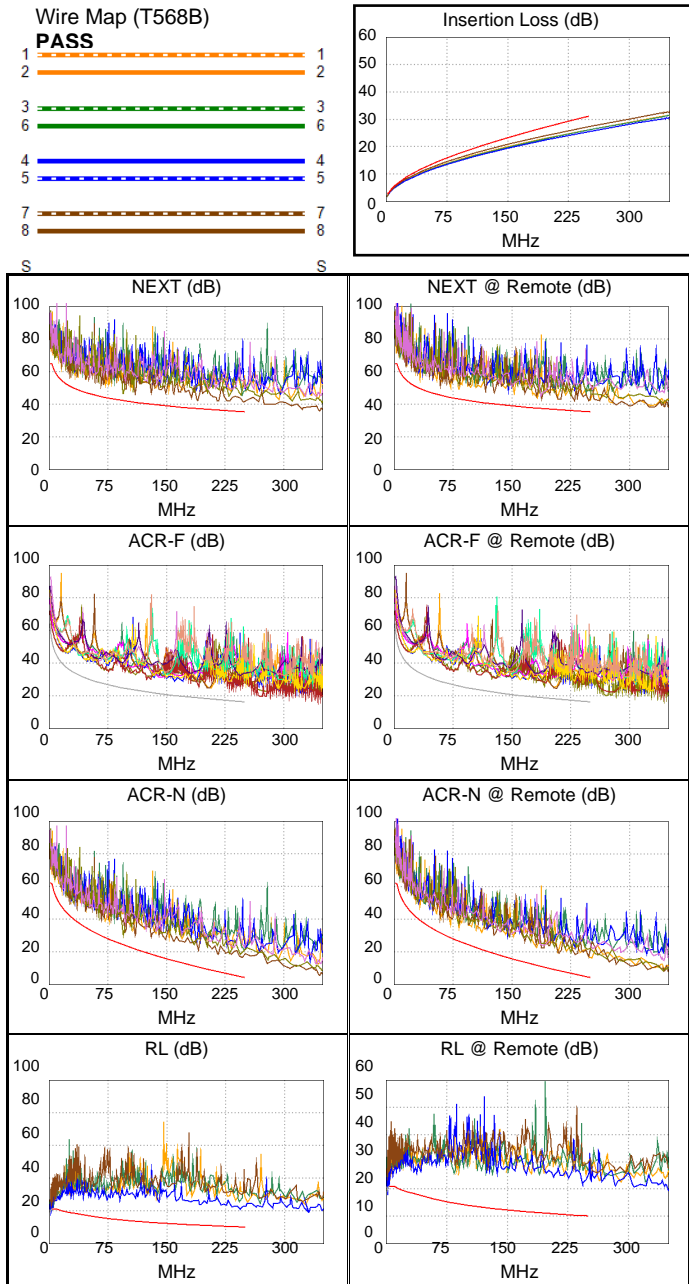
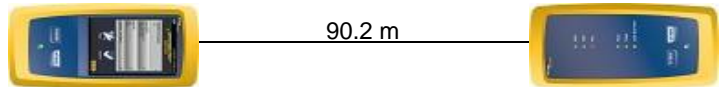
|                             |            |       |
|-----------------------------|------------|-------|
| Length (m), Limit 90.0      | [Pair 4,5] | 90.2  |
| Prop. Delay (ns), Limit 498 | [Pair 7,8] | 452   |
| Delay Skew (ns), Limit 44   | [Pair 7,8] | 16    |
| Resistance (ohms)           | [Pair 4,5] | 15.91 |
|                             |            |       |
| Insertion Loss Margin (dB)  | [Pair 7,8] | 3.8   |
| Frequency (MHz)             | [Pair 7,8] | 250.0 |
| Limit (dB)                  | [Pair 7,8] | 31.1  |

Worst Case Margin Worst Case Value

| PASS                 | MAIN    | SR      | MAIN    | SR      |
|----------------------|---------|---------|---------|---------|
| Worst Pair           | 3,6-7,8 | 3,6-4,5 | 3,6-4,5 | 3,6-4,5 |
| <b>NEXT (dB)</b>     | 4.4     | 5.4     | 4.8     | 6.6     |
| Freq. (MHz)          | 94.8    | 210.5   | 249.5   | 247.5   |
| Limit (dB)           | 42.2    | 36.6    | 35.4    | 35.4    |
| Worst Pair           | 3,6     | 3,6     | 4,5     | 3,6     |
| <b>PS NEXT (dB)</b>  | 5.3     | 5.2     | 6.4     | 6.1     |
| Freq. (MHz)          | 94.5    | 58.8    | 249.5   | 247.5   |
| Limit (dB)           | 39.7    | 43.1    | 32.7    | 32.8    |
| PASS                 | MAIN    | SR      | MAIN    | SR      |
| Worst Pair           | 1,2-3,6 | 3,6-1,2 | 4,5-3,6 | 3,6-1,2 |
| <b>ACR-F (dB)</b>    | 6.3     | 6.1     | 7.3     | 6.1     |
| Freq. (MHz)          | 204.5   | 204.5   | 233.5   | 204.5   |
| Limit (dB)           | 18.0    | 18.0    | 16.8    | 18.0    |
| Worst Pair           | 3,6     | 1,2     | 3,6     | 1,2     |
| <b>PS ACR-F (dB)</b> | 8.4     | 8.5     | 9.9     | 8.5     |
| Freq. (MHz)          | 189.0   | 205.0   | 247.5   | 205.0   |
| Limit (dB)           | 15.7    | 15.0    | 13.3    | 15.0    |
| N/A                  | MAIN    | SR      | MAIN    | SR      |
| Worst Pair           | 3,6-7,8 | 1,2-3,6 | 3,6-4,5 | 1,2-3,6 |
| <b>ACR-N (dB)</b>    | 6.0     | 7.1     | 10.5    | 12.0    |
| Freq. (MHz)          | 94.8    | 33.0    | 249.5   | 249.5   |
| Limit (dB)           | 24.2    | 39.3    | 4.3     | 4.3     |
| Worst Pair           | 3,6     | 3,6     | 4,5     | 3,6     |
| <b>PS ACR-N (dB)</b> | 7.9     | 7.1     | 12.0    | 11.4    |
| Freq. (MHz)          | 94.5    | 58.8    | 249.5   | 249.5   |
| Limit (dB)           | 21.7    | 29.2    | 1.7     | 1.7     |
| PASS                 | MAIN    | SR      | MAIN    | SR      |
| Worst Pair           | 4,5     | 4,5     | 4,5     | 4,5     |
| <b>RL (dB)</b>       | 1.6*    | 2.2     | 10.8    | 11.4    |
| Freq. (MHz)          | 3.8     | 3.8     | 243.5   | 243.5   |
| Limit (dB)           | 21.0    | 21.0    | 10.1    | 10.1    |

Compliant Network Standards:

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



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