

LanPro Reliable CAT 6 Cable Performance Test.

LPCABLECAT6_TST_ENB01W



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A Description of the test

- This is a random test of approximately 100 meters (328 feet circuit). The values measured in this way belong to a complete current system; it is not just a piece of cable (channel test).
- This test consists of the following elements: LanPro CAT 6 cable, two LanPro CAT 6 couplers for preparing a cable of approximately 100 m long, and two LanPro CAT 6 patch cords of 1 m each (3 feet).

- 1 In the first step, shown in Figure 1, the reference data is adjusted for an accurate reading in a Fluke Networks OmniScanner with 50E04C00019 and 50D04C00038 serial numbers, 2003 model.



Figure 1

- 2 The equipment must be adjusted for CAT 6 standard. 300 MHz without limit adjustment, as shown in Figure 2.
- 3 Proceed with the certification. See the progress in Figure 3.



Figure 2



Figure 3

- 4 All the parameters have been certified positively. See Figure 4.
- 5 By saving data of LanPro CAT 6 cable, download is possible (see Figure 5).



Figure 4



Figure 5

6 Or WIREMAP view (Figure 6).



Figure 6

7 A random length of 296 feet, approximately 91 meters, has been tested. (See Figure 7).

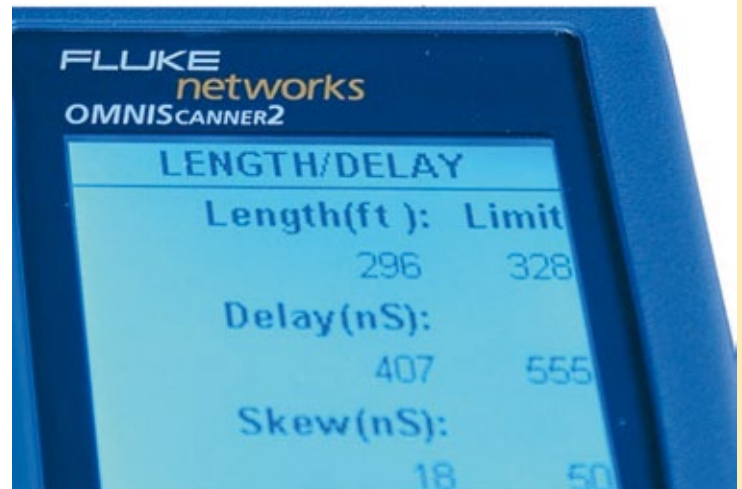


Figure 7

8 POWER SUM ELFEXT with a margin of almost 10 dB. See Figure 8.



Figure 8

9 POWER SUM NEXT with a margin of almost 10 dB. See Figure 9.



Figure 9

- 10** ELFEXT with a margin of almost 10 dB. See Figure 10.



Figure 10

- 11** NEXT with a margin of 3 dB (worst scenario). See Figure 11.



Figure 11

- 12** Excellent RETURN LOSS margin of 6.5 dB. See Figure 12.



Figure 12

- 13** Excellent 9.4 dB margin in attenuation test. See Figure 13.

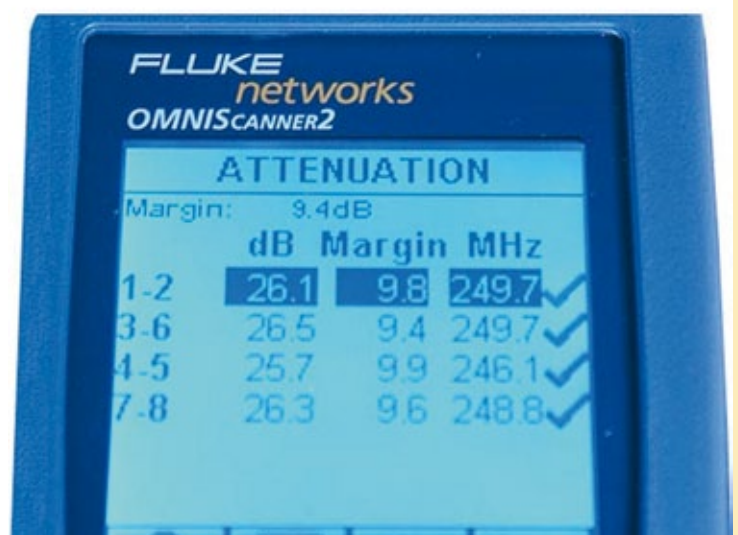


Figure 13

B Certification Result

Figure 14

