

|                        |                        |                                  |                         |                                   |                                        |
|------------------------|------------------------|----------------------------------|-------------------------|-----------------------------------|----------------------------------------|
| <b>Cable ID</b><br>O-7 | <b>Summary</b><br>PASS | <b>Test Limit</b><br>Cat 5e Chan | <b>Length</b><br>84.8 m | <b>Headroom</b><br>12.2 dB (NEXT) | <b>Date / Time</b><br>02-12-2019 17:12 |
|------------------------|------------------------|----------------------------------|-------------------------|-----------------------------------|----------------------------------------|

|                            |        |
|----------------------------|--------|
| Total Length:              | 84.8 m |
| Number of Reports:         | 1      |
| Number of Passing Reports: | 1      |
| Number of Failing Reports: | 0      |
| Number of Warning Reports: | 0      |
| Documentation Only:        | 0      |



## Cable ID: O-7

Date / Time: 02-12-2019 17:12:00

Headroom 12.2 dB (NEXT 36-45)

Test Limit: Cat 5e Chan

Cable Type: Cat 5e UTP

Operator: Lanitron SRL

Software Version: V06.12

NVP: 72.0%

## Test Summary: PASS

Model: OMNIScanner2

Main S/N: 50D99L00362

Remote S/N: 50E99L00516

Main Adapter: MT CAT6 SSTP

Remote Adapter: MT CAT6 SSTP

| Wire Map    | Expected       | Actual   |
|-------------|----------------|----------|
| <b>PASS</b> | omni: 12345678 | 12345678 |
|             | rem.: 12345678 | 12345678 |



84.8 m

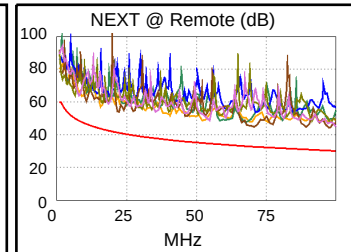
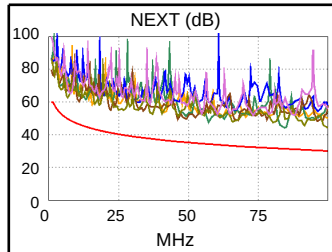


|                             |           |      |
|-----------------------------|-----------|------|
| Length (m), Limit 100.0     | [Pair 36] | 84.8 |
| Prop. Delay (ns), Limit 555 | [Pair 12] | 404  |
| Delay Skew (ns), Limit 50   | [Pair 12] | 11   |
| Resistance (ohms)           |           | N/A  |
| Insertion Loss Margin (dB)  | [Pair 12] | 6.8  |
| Frequency (MHz)             | [Pair 12] | 98.8 |
| Limit (dB)                  | [Pair 12] | 23.8 |

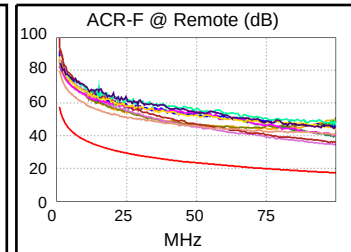
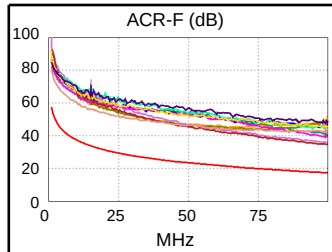


### Worst Case Margin

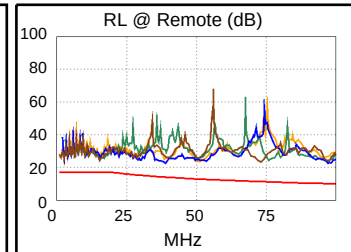
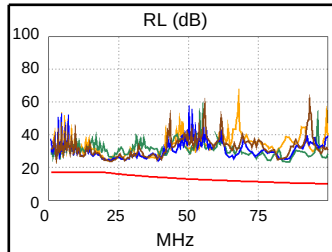
| PASS                | MAIN  | SR    |
|---------------------|-------|-------|
| Worst Pair          | 12-45 | 36-45 |
| <b>NEXT (dB)</b>    | 12.9  | 12.2  |
| Freq. (MHz)         | 84.4  | 70.9  |
| Limit (dB)          | 31.4  | 32.7  |
| Worst Pair          | 36    | 36    |
| <b>PS NEXT (dB)</b> | 13.6  | 13.5  |
| Freq. (MHz)         | 6.4   | 70.5  |
| Limit (dB)          | 47.5  | 29.7  |



| PASS                 | MAIN  | SR    |
|----------------------|-------|-------|
| Worst Pair           | 45-36 | 36-45 |
| <b>ACR-F (dB)</b>    | 17.3  | 17.2  |
| Freq. (MHz)          | 97.4  | 96.7  |
| Limit (dB)           | 17.6  | 17.7  |
| Worst Pair           | 45    | 45    |
| <b>PS ACR-F (dB)</b> | 19.7  | 18.3  |
| Freq. (MHz)          | 98.8  | 96.7  |
| Limit (dB)           | 14.5  | 14.7  |



| PASS           | MAIN | SR   |
|----------------|------|------|
| Worst Pair     | 78   | 78   |
| <b>RL (dB)</b> | 6.9  | 7.3  |
| Freq. (MHz)    | 21.9 | 15.4 |
| Limit (dB)     | 16.7 | 17.0 |



Compliant Network Standards:

|              |               |            |
|--------------|---------------|------------|
| 10BASE-T     | 100BASE-TX    | 100BASE-T4 |
| 1000BASE-T   | ATM-25        | ATM-51     |
| ATM-155      | 100VG-AnyLan  | TR-4       |
| TR-16 Active | TR-16 Passive |            |