

## 600 MHZ CABLE & CONNECTOR MEASUREMENT REPORT

Tests performed by:  
Odd Jansen  
Geir Nærland

**Cables tested:** Teldor 4x(2x22#) S/STP Gigador horizontal cable, 90 m sample.  
Teldor 2x(2x26#)+26# Gigapatch patch cable, 5 m sample.  
The samples were supplied by Teldor.

**Connectors tested:** TELESAFE CM6 600 MHz - 4 pair connectors  
The samples were supplied by Telesafe.

**Tests performed:** NEXT - horizontal cable, one end, all pair combinations  
NEXT - basic link (without patch cable), one end, all pair combinations  
NEXT - link (with patch cable), patch cable end, one pair combination

Attenuation - horizontal cable, all pairs  
Attenuation - basic link, all pairs  
Attenuation - link, two pairs

Impedance - horizontal cable, one end, all pairs

Return Loss - basic link, one end, all pairs  
Return Loss - link, patch cable end, two pairs

ACR - cable (computed from measurements), all pair combinations  
ACR - basic link (computed from measurements), all pair combinations  
ACR - link (computed from measurements), one pair combination

**Instruments used:** HP 8752B Network Analyzer with TELESAFE broadband baluns.  
PC with HB-IB interface and HP Instrument Basic for measurement presentation and analysis.

**Measurement results:** All worst case results are shown in tables 1-5

**NEXT - WORST CASE**

	1 - 100 MHz	100 - 300 MHz	300 - 600 MHz
Cable	95 dB	93 dB	82 dB
Basic Link	88 dB	74 dB	69 dB
Link	84 dB	76 dB	75 dB

Table 1