



HCS Newsletter

No. 34, Dated Thursday, August 22, 2002

HCS introduces Category 6E UTP cable:

The only UTP cable, world wide, with positive ACR up to 600 MHz

Tested & Approved by ETL



HCS, the only Turkish manufacturer of state-of-the-art LAN cabling systems reached a new level of Enhanced Category 6 UTP cable performance, with unprecedented transmission properties.

HCS DataLink 250E Category 6E UTP cable (HCS P/N H6E-0040x) was specially engineered to perform well beyond proposed Category 6 standards (e.g. ANSI/TIA/EIA-568-B.2-1) in all transmission parameters, using the highest quality machinery and cable design technology, maintaining resonance-free transmission properties up to 600 MHz.

HCS DataLink 250E CAT 6e UTP cable has:

- **46 dB minimum NEXT up to 600 MHz.**
- **43 dB minimum PS-NEXT up to 600 MHz**
- **Positive ACR up to 600 MHz**
- **37 dB minimum EL-FEXT up to 600 MHz**
- **35 dB minimum PS-EL-FEXT up to 600 MHz**
- **18 dB minimum Return-Loss up to 600 MHz**
- **33 dB minimum LCL up to 600 MHz**

*Selected pages from the ETL test report and the ETL Report of Testing form are attached.
The complete ETL test report verifying the above will be sent upon request.*

These outstanding transmission properties equate to a significant amount of headroom over the Category 6 standards providing several important benefits:

- It minimizes the rejection rate of the installed links and channels by compensating for substandard components (e.g. connecting hardware, patch-cords), low-quality installation etc.
- It minimizes the BER (bit-error-rate), improving network efficiency.
- It protects the end-user's technology investment against future industry advances.

HCS DataLink 250E Category 6e UTP cable design incorporates several HCS innovations that maintain the structural and electrical stability of the cable after packaging, after installation and during the entire lifetime of the cabling system.

The above, combined with the unique [HCS DoubleSafe Quality Program](#) and the [HCS Century Lifetime Warranty](#), provides the best Category 6 cable in the market today.

[HCS DataLink 250E Category 6e UTP cable](#) utilizes a 23 AWG solid bare copper conductor, it is ETL Verified both to ANSI/TIA-EIA-568-B.2-1 and to ISO/IEC 11801 & IEC 61156-5 and is available in both PVC and LS0H (halogen-free flame retardant) versions and in a variety of colors, packed on plywood reels or in "Reellex" (Windings Trademark) boxes.

For more information on HCS products please browse the [HCS Online Catalog](#) or contact our technical service centers in Turkish ([Istanbul Center](#)) or in English ([European Center](#)).

HCS is the No.1 Turkish supplier of high- performance fiber optic and twisted pair LAN Cabling Systems.

HCS – HES Cabling Systems

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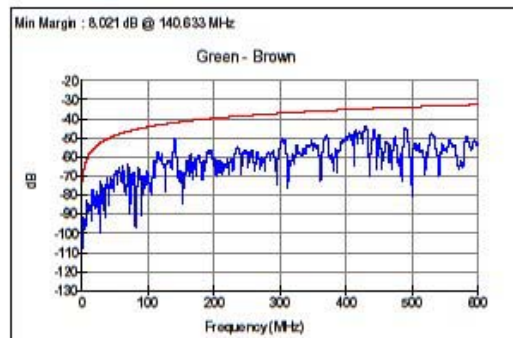
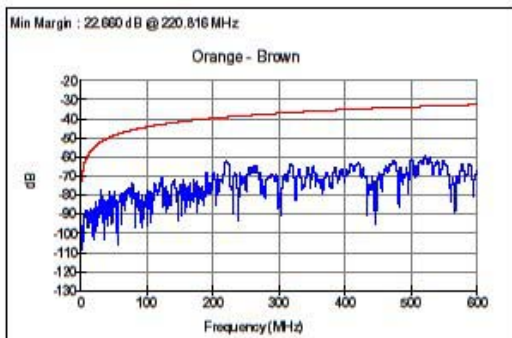
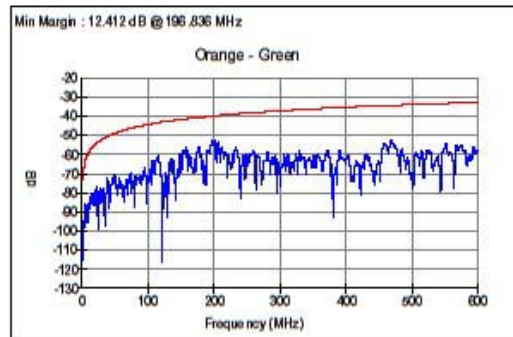
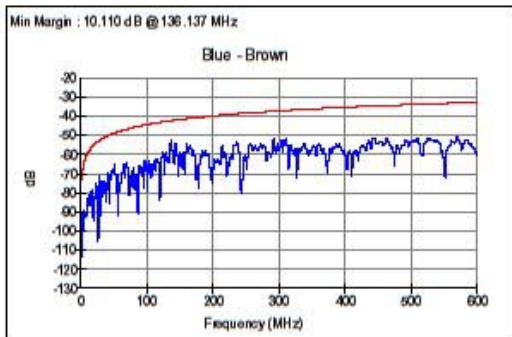
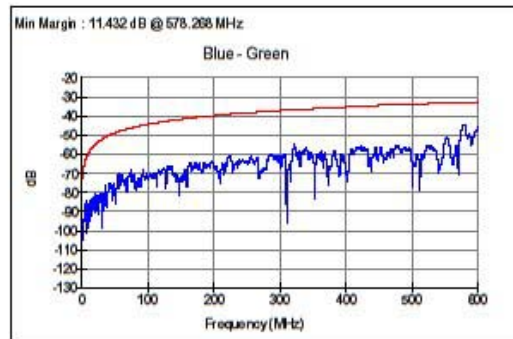
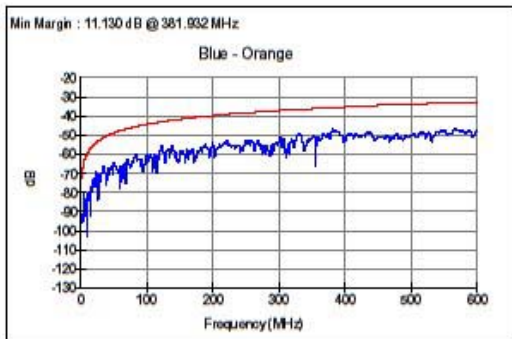
Attachments

1. ETL Test results: NEXT tested up to 600 MHz:



Client	HCS	Report No	3029582-001
Specification	TIA 568B2-1 - Cat 6 Cable S600 L600		
Part No	H6E-00401	Length(m)	100
Test Started	8/19/02 12:51:09 PM	Temperature	21 °C
Comments	Initial-4 Pair-23 AWG-UTP-Non-Plenum-S600 L600MHz		
Technician	David Ayers	Test Status:	PASS

Near End Cross Talk (Near End)

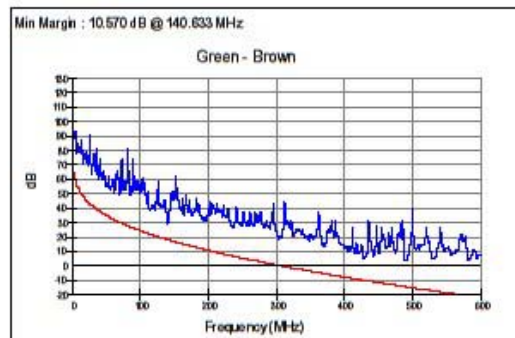
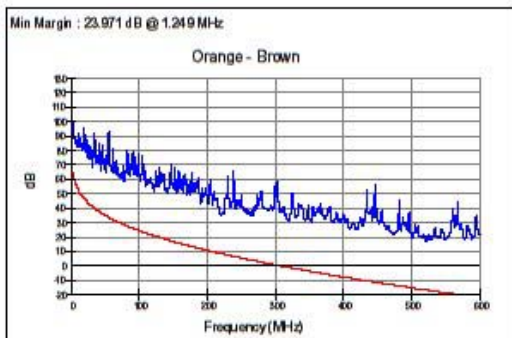
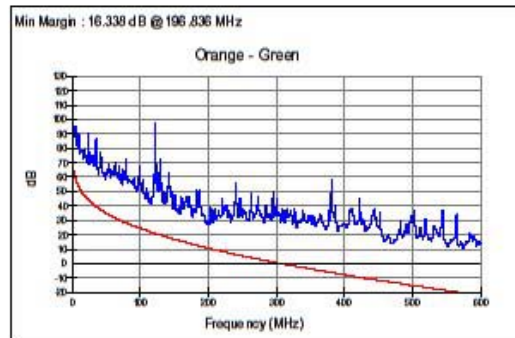
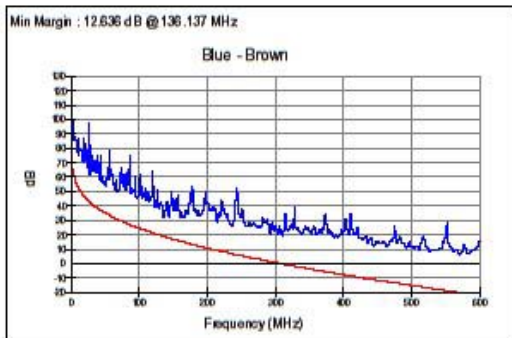
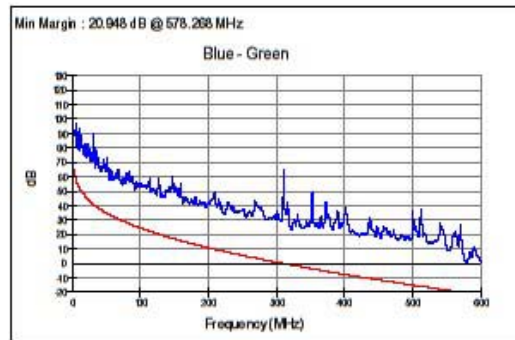
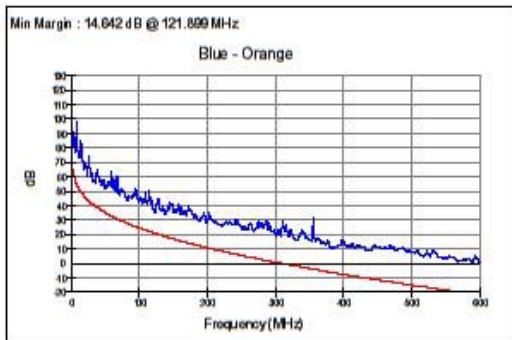


2. ETL Test results: ACR tested up to 600 MHz:



Client	HCS	Report No	3029582-001
Specification	TIA 568B2-1 - Cat 6 Cable S600 L600		
Part No	H6E-00401	Length(m)	100
Test Started	8/19/02 12:51:09 PM	Temperature	21 °C
Comments	Initial-4 Pair-23 AWG-UTP-Non-Plenum-S600 L600MHz		
Technician	David Ayers	Test Status:	PASS

Attenuation to Cross Talk Ratio (Near End)



1. ETL Test results: RL tested up to 600 MHz:



Client	HCS	Report No	3029582-001
Specification	TIA 568B2-1 - Cat 6 Cable S600 L600		
Part No	H6E-00401	Length(m)	100
Test Started	8/19/02 12:51:09 PM	Temperature	21 °C
Comments	Initial-4 Pair-23 AWG-UTP-Non-Plenum-S600 L600MHz		
Technician	David Ayers	Test Status:	PASS

Return Loss (Near End)

