



**HCS - HES Cabling Systems**

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*Made in Turkey... With Pride!*

## **HCS Newsletter**

*No. 33, Dated Thursday, June 20, 2002*

### **HCS obtains the first ETL Verification according to TIA/EIA-568-B.2-1 CATEGORY 6**

#### **TIA approves Cat 6 for publication**

TIA TR-42 finally approved (June 3, 2002) the Category 6 standard for telecommunications cabling. The specification is the first addendum to the TIA/EIA-568B.2 standard, and is now officially recognized as TIA/EIA-568B.2-1.

All TIA specified Category 6 components should be backward compatible with previous-generation (Category 3, 5, and 5e) twisted-pair cabling, and also interoperable with one another.

Both TIA and the ATM Forum have already published Gigabit application standards to operate over Category 6 cabling. Other applications groups are anticipated to begin development of protocols supporting even higher throughput over Category 6 cabling.

The Category 6 standard specifies requirements for 100-ohm balanced twisted-pair cables, connecting hardware, patch cords, channels, and permanent links. It provides test procedures for laboratory and field performance verification over a frequency range of 1 to 250 MHz. Supporting a power-sum attenuation-to-crosstalk ratio (PS-ACR) up to 200 MHz, Category 6 provides double the bandwidth of Category 5e cabling. The standard also includes cable and connecting hardware balance recommendations, aimed at ensuring good electromagnetic compatibility performance.

HCS, the only Turkish manufacturer of state-of-the-art LAN cabling systems is one of the first companies, world-wide, to obtain a formal ETL Verification for its CATEGORY 6 UTP cable, based on the ratified standard.

HCS is No.1 Turkish supplier of high- performance fiber optic and twisted pair cables for LAN, wireless and other communications applications.

#### **HCS – HES Cabling Systems**

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**Intertek Testing Services**  
ETL SEMKO

ETL Verification Program  
for  
Telecommunications Equipment

## CERTIFICATE OF CONFORMANCE

Certificate Number: J20053569-010

RENDERED TO

HCS - HES Cabling Systems  
Bankalar Caddesi Ekas Han No:75-77, 80000 Karaköy  
Istanbul Turkey

Part Number (s): H06-00401

Product Description: 4 pair, 23 AWG, UTP, CM, Non-Plenum, Horizontal (solid) Cable.

Safety Listing Report Number: Unknown

The product has been tested and found to comply with the applicable electrical transmission characteristics specified in ANSI/TIA/EIA-568-B.2-1 Category 6.

This certificate, supported by your participation in the ETL Verification Program, is authorization to apply the ETL Verification Mark. Jacket marking shall include:

ETL Verified to: ANSI/TIA/EIA-568-B.2-1 Category 6 and all applicable safety markings.

Continuing compliance to this specification is monitored through production testing, quarterly inspections by ETL at the production facility and random sample testing.

Certificate Issued By:

Kathy Bishop  
ETL Verified Cable Programs  
Global Cabling Products Testing

Date: 8/8/2001

Revised Date: 6/19/2002

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