



## **HCS Newsletter**

*No. 36, Dated January 31, 2003*

### **HCS obtained formal ETL Verification for its CATEGORY 6 UTP components**



HCS, the only Turkish manufacturer of state-of-the-art LAN cabling systems obtained formal ETL Verification for its CATEGORY 6 components, all tested and verified **at the component level**.

The verifications obtained are:

- 1. HCS J6E-00813 DataLink 250E CATEGORY 6E UTP RJ-45 Keystone Jack  
ETL VERIFIED to ANSI/TIA/EIA-568-B.2-1**
- 2. HCS P6E-02403 DataLink 250E CATEGORY 6E UTP RJ-45 Patch Panel  
ETL VERIFIED to ANSI/TIA/EIA-568-B.2-1**
- 3. HCS T06-00410-30 DataLink 250 CATEGORY 6 UTP RJ-45 Terminated Modular Cord  
ETL VERIFIED to ANSI/TIA/EIA-568-B.2-1**
- 4. HCS T06-00410-50 DataLink 250 CATEGORY 6 UTP RJ-45 Terminated Modular Cord  
ETL VERIFIED to ANSI/TIA/EIA-568-B.2-1**

*The 4 formal ETL verification are attached.*

Category 6 Component requirements are extremely tough, and only few manufacturers have obtained this prestigious verification.

**In fact, only 6 manufacturers obtained so far CATEGORY 6 component level approval, worldwide.**

Most other vendors "prove" the compliance of their cabling systems to Category 6 by testing Permanent link and Channels. This method is not recognized as a valid proof of compliance by any standard, but more importantly, **it cannot guarantee inter-operability and backward compatibility, which are the two cornerstones of structured cabling systems.**

In other words:

Using non-compliant Category 6 connecting hardware and patchcords in a cabling system may cause the network to fail when trying to mix and match components from other vendor or components from different categories.

*For example: Inserting a Category 5e patchcord into a Category 6 jack should result in a Category 5e channel, but if the jack is a non-compliant component, the channel may fail even Category 5 requirements.*

**Bottom line: When selecting a vendor for CATEGORY 6 cabling system it is critically important to request a formal verification issued by an independent test house (such as ETL) for each and every component quoted.**

For more information on HCS please browse [www.hescs.com](http://www.hescs.com) which includes the [HCS Online Catalog](#) or contact our technical service centers in Turkish or in English ([Istanbul Center](#)).

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

### **HCS – HES Cabling Systems**

**HQ:** Bankalar Caddesi Ekas Han No. 75-77 8000 Karakoy Istanbul, Turkey.  
Phone: +90-212-2565630 Fax: +90-212-2565446

**PLANT:** Erciyes Mahallesi Hes Caddesi No:22 38210 Kayseri, Turkey  
Phone: +90-352-442 25 40 Fax: +90-352-442 28 00



## Attachments

### 1. HCS J6E-00813 DataLink 250E CATEGORY 6E UTP RJ-45 Keystone Jack ETL VERIFIED to ANSI/TIA/EIA-568-B.2-1



ETL Verification Program  
for  
Telecommunications Equipment

## CERTIFICATE OF CONFORMANCE

Certificate Number: 3037949-001

RENDERED TO

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

Sample Description: UTP RJ-45 Cat 6E Keystone Jack 8P8C Part Number J6E-00813

The product has been tested and found to comply with the applicable electrical transmission characteristics specified in TIA/EIA-568-B.2-1 Category 6 June 2002.

This certificate, supported by your participation in ETL Hardware Verification Program, is authorization to apply the ETL Verification Mark.

The following shall appear on the product and/or packaging: ETL Verified to TIA/EIA-568-B.2-1, Category 6 June 2002, Part Number and the ETL Verified Logo. Effective date 2/1/2003.

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:

A handwritten signature in black ink that reads "Kathy Bishop".

Kathy Bishop  
ETL Verified Cable Programs  
Global Cabling Products Testing

Date: 1/31/2003

2. HCS P6E-02403 DataLink 250E CATEGORY 6E UTP RJ-45 Patch Panel  
ETL VERIFIED to ANSI/TIA/EIA-568-B.2-1



ETL Verification Program  
for  
Telecommunications Equipment

## CERTIFICATE OF CONFORMANCE

Certificate Number: 3037949-002

RENDERED TO

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

Sample Description: 24 Port RJ-45 Unshielded Cat 6E Patch Panel 19 Part Number P6E-02403-1U

The product has been tested and found to comply with the applicable electrical transmission characteristics specified in TIA/EIA-568-B.2-1 Category 6 June 2002.

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The following shall appear on the product and/or packaging: ETL Verified to TIA/EIA-568-B.2-1, Category 6 June 2002, Part Number and the ETL Verified Logo. Effective date 2/1/2003.

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Certificate Issued By:

A handwritten signature in cursive script that reads "Kathy Bishop".

Kathy Bishop  
ETL Verified Cable Programs  
Global Cabling Products Testing

Date: 1/31/2003

**3. HCS T06-00410-30 DataLink 250 CATEGORY 6 UTP RJ-45 Terminated Modular Cord  
ETL VERIFIED to ANSI/TIA/EIA-568-B.2-1**



ETL Verification Program  
for  
Telecommunications Equipment

## CERTIFICATE OF CONFORMANCE

Certificate Number: 3037949-003

RENDERED TO

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

Sample Description: UTP RJ-45 Cat 6 Terminated Modular Cord 3M Part Number T06-00410-30

The product has been tested and found to comply with the applicable electrical transmission characteristics specified in TIA/EIA-568-B.2-1 Category 6 June 2002.

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Certificate Issued By:

A handwritten signature in black ink that reads "Kathy Bishop".

Kathy Bishop  
ETL Verified Cable Programs  
Global Cabling Products Testing

Date: 1/31/2003

Intertek Testing Services NA Inc.  
3933 U.S. Route 11, Cortland, NY 13045  
Telephone (607) 758-6641 or (800) 345-3851 Fax (607) 758-3648 <http://www.etleable.com>



4. HCS T06-00410-50 DataLink 250 CATEGORY 6 UTP RJ-45 Terminated Modular Cord  
ETL VERIFIED to ANSI/TIA/EIA-568-B.2-1



ETL Verification Program  
for  
Telecommunications Equipment

## CERTIFICATE OF CONFORMANCE

Certificate Number: 3037949-004

RENDERED TO

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

Sample Description: UTP RJ-45 Cat 6 Terminated Modular Cord 5M Part Number T06-00410-50

The product has been tested and found to comply with the applicable electrical transmission characteristics specified in TIA/EIA-568-B.2-1 Category 6 June 2002.

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