



HCS Newsletter

No. 57, Dated Thursday, 27 July, 2006

HCS AUGMENTED Category 6 FTP Horizontal cable ETL Verified to ANSI/TIA/EIA-568-B.2-10



HCS, the only Turkish manufacturer of state-of-the-art LAN cabling systems obtained formal [ETL Verification](#) to its AUGMENTED Category 6 Foil-Shielded horizontal cable according to ANSI/TIA/EIA-568-B.2-10 latest draft. This is the first foil-shielded cable to obtain this verification, world-wide. The ETL certificate is attached to this newsletter.



HCS DataLink 500A Augmented Category 6 FTP cable, [HCS P/N H6A-0041x](#), was specially engineered to perform well beyond Category 6A standards in all transmission parameters, using state-of-the-art machinery and cable design technology, **maintaining 8 dB NEXT margin in the entire frequency range.**

In addition to its excellent transmission properties, HCS CAT 6 FTP cable has an outstanding EMC performance, providing over 20dB margin of Alien Crosstalk. (A typical AXT test report is attached). The use of Category 6A FTP cable instead of PiMF (CAT 6A or CAT 7) cables for 10GBE cabling systems provides several important benefits:

- It makes the installation faster & easier, as the overall aluminum foil is removed with the jacket and the tedious process of carefully removing the individual foils from each pair is eliminated.
- The individual wires are easily inserted into the jacks, having smaller OD, compared to the PiMF cables basic wires.
- It minimizes termination errors, as each wire is color coded, while in PiMF cables there are usually 4 white wires.
- It minimizes link & channel failures as exposing the pairs does not adversely affect the RL, the impedance and the NEXT performance.

HCS DataLink 500A Category 6A FTP cable design incorporates several HCS innovations that maintain the structural and electrical stability of the cable after packaging, after installation (simulated by U-BEND & S-BEND IEC tests) 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 Augmented Category 6 FTP cable in the market today, and the only one with a formal ETL Verification.

HCS DataLink 500A Category 6A FTP cables are [ETL Verified](#) to ANSI/TIA-EIA-568-B.2-10 and are available in both PVC and LSOH (halogen-free flame retardant) versions and in a variety of colors, packed on 305m plywood reels.

HCS Category 6A FTP cables, like all other HCS products, are fully compatible with EU Directive 2002/95/EC (RoHS).

For more information on HCS products please browse the [HCS Online Catalog](#) or contact us at [HCS Istanbul](#).

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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Connecting Networks

CERTIFICATE OF CONFORMANCE

This authorizes the application of the ETL Verified Mark shown below to the models described in the Product Description section when made in accordance with the conditions set forth in the Verification Agreement and Qualification Testing Report.

Certificate Number: 3094047CRT-003

Applicant:

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

Manufacturer:

HES Hacilar Elektrik Sanay
Hacilar Yolu 8 Km
PK 245
38210 Kayseri, Turkey

Applicant Contact: Mr. Ergun R. Akan

Mfg. Contact: Mr. Ergun R. Akan

Report No.: 3094047

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

Part Number(s): H6A-00411

The product has been tested and found to comply with the applicable electrical transmission characteristics specified in ANSI/TIA-568-B.2-10 Draft 5.0 for Augmented Category 6 Cabling.

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-568-B.2-10 Draft 5.0 for Augmented Category 6 Cabling.

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

Date ETL Verified: 7/26/2006

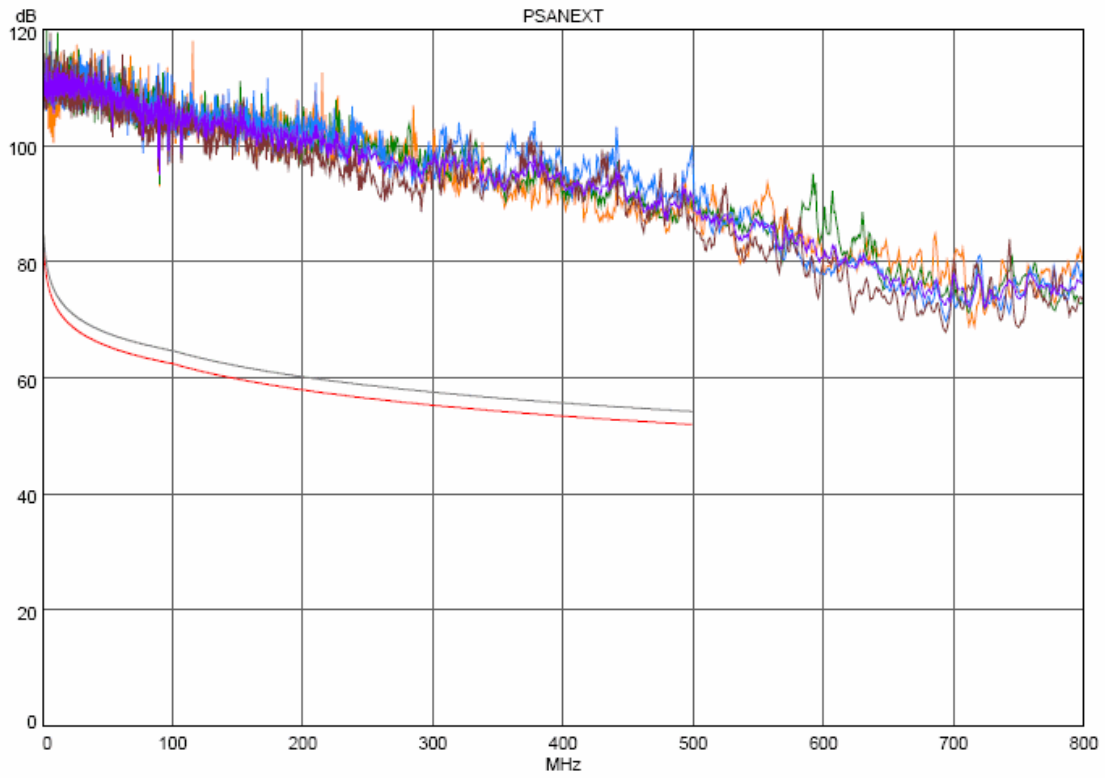
Certificate Issued By:


Kathy Heath, Program Administrator

This document is the property of Intertek ETL SEMKO and is not transferable. Only the Applicant may reproduce this document. The ETL Verified Mark may be applied only at the above noted location of the Party Authorized to Apply the Mark.

This document supersedes all previous ETL Verified Certificates of Conformance for the noted Certificate Number.

HCS CAT 6A H6A-00411 typical AXT test results
Powersum Alien Near-end Crosstalk (ANEXT)



Powersum Attenuation to Alien Crosstalk Ratio at the Far-end (PSAACRF)

