

HCS Newsletter

No. 67, Dated Tuesday, 18 March, 2008

HCS DataLink 500A RJ-45 Keystone Jacks obtained Delta-EC Attestation of Conformity as Augmented Category 6 (CAT 6A) at the Component Level (De-embedded & re-embedded method)



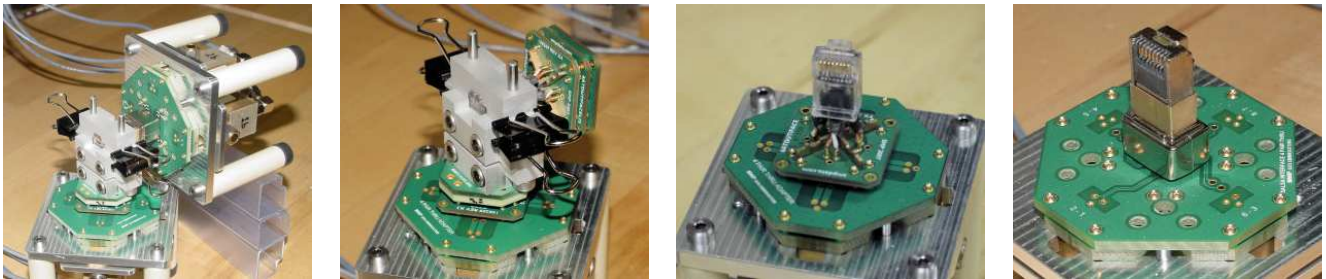
HCS, the only Turkish manufacturer of state-of-the-art LAN cabling systems obtained formal **DELTA-EC Attestation of Conformity** for its DataLink 500A Augmented Category 6 shielded and unshielded RJ-45 Keystone Jacks according to TIA/EIA-568-B.2-10.

These are the first independent formal tests ever done on Category 6A connecting hardware according to ANSI/TIA/EIA-568-B.2-10, world-wide.

Both certificates are attached to this newsletter.

The major reason for the delay in ratifying TIA/EIA-568-B.2-10 was the test methods of the Category 6A plugs and jacks. **HCS Category 6A jacks are tested and verified at the component-level according to the ratified TIA/EIA-568-B.2-10 test methods, as detailed in Annex G (Connecting hardware test procedures) and Annex H (Impedance controlled measurement fixture) using the de-embedded & re-embedded calculations.**

Detailed test results can be downloaded from the following links: [J6A-00813](#) and [J6A-00823](#).



HCS DataLink 500A Augmented Category 6 unshielded and fully shielded Keystone Jacks, HCS P/N [J6A-00813](#) and [J6A-00823](#), were specially engineered to perform well beyond Category 6A standards in all transmission parameters, maintaining a minimum of 3dB NEXT margin up to 500MHz in all combinations, even in short permanent links (15m min. length, as specified in ISO/IEC-11801).



HCS DataLink 500A Augmented Category 6 Keystone Jacks provide several important benefits:

- ✓ Termination is done with a regular punch-down tool, requiring a minimal training and no special expertise, providing fast and simple installation.
- ✓ The jacks comply in full to the dimensional limits of IEC 60603-7-41 (unshielded 500 MHz connectors) and IEC 60603-7-51 (shielded 500 MHz connectors), making them physically compatible with all standard blank panels and wall-outlets.
- ✓ The jacks comply in full to the requirements of TIA/EIA-568-B.2-7: *Reliability Requirements for Connecting Hardware used in Balanced Twisted-Pair Cabling* proving highly reliable components.



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 Copper LAN Cabling Systems.

HCS – HES Cabling Systems

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Connecting Networks

Attestation of Conformity

No. 2008-025 - Connecting Hardware, Augmented Category 6 (CAT 6A)

Company

HCS KABLOLAMA SISTEMLERI SAN ve TIC.A.S.
Turgutreis Mah. Barbaros Cad. Giyimkent Kooperatif Ici Vadi Bulvari No. 1
Esenler
Istanbul
Turkey

Product description

HCS Augmented Category 6 (CAT 6A) RJ-45 Keystone Jack, characterised up to 500 MHz
Unscreened, 100 Ω

Product identification

HCS J6A-00813

Generic cabling standards, cabling components standard

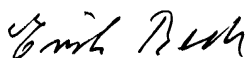
- ANSI/EIA/TIA-568-B.2-10

Technical report


DELTA-N312404, DANAK-19J1857

One connecting hardware sample - supplied by HCS KABLOLAMA SISTEMLERI SAN ve TIC.A.S has been tested under laboratory conditions by DELTA EC Cabling Group and complies with the electrical transmission performance requirements of the above specified standard. The Attestation of Conformity is only valid for the tested product.

Hørsholm, 17 March 2008



Erik Bech
Test Manager



Claude Videt
Project manager



Attestation of Conformity

No. 2008-026 - Connecting Hardware, Augmented Category 6 (CAT 6A)

Company

HCS KABLOLAMA SISTEMLERI SAN ve TIC.A.S.
Turgutreis Mah. Barbaros Cad. Giyimkent Kooperatif Ici Vadi Bulvari No. 1
Esenler
Istanbul
Turkey

Product description

HCS Augmented Category 6 (CAT 6A) RJ-45 Keystone Jack, characterised up to 500 MHz
Screened, 100 Ω

Product identification

HCS J6A-00823

Generic cabling standards, cabling components standard

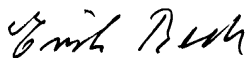
- ANSI/EIA/TIA-568-B.2-10

Technical report

DELTA-N312404-01, DANAK-19J1858

One connecting hardware sample - supplied by HCS KABLOLAMA SISTEMLERI SAN ve TIC.A.S has been tested under laboratory conditions by DELTA EC Cabling Group and complies with the electrical transmission performance requirements of the above specified standard. The Attestation of Conformity is only valid for the tested product.

Hørsholm, 17 March 2008



Erik Bech
Test Manager



Claude Videt
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