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## **HCS Newsletter**

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### **HCS Issues Modified Installation Guidelines for Category 6 (Class E) and Category 6A (Class E<sub>A</sub>) Cabling**

**HCS**, the only Turkish manufacturer of state-of-the-art LAN cabling systems has revised its Site Installation Procedure and Registration forms.

The revised procedures provides relaxation of the preliminary testing of **HCS DataLink 250** Category 6 (Class E) cabling and detailed guidelines for **HCS DataLink 500A** CAT 6A (Class E<sub>A</sub>) cabling installation.

The complete documents can be found in the [HCS Warranties & Site Registration](#) page.

HCS Site Installation Procedures and Registration forms are designed for one purpose only:

To ensure the highest quality of installation, with cabling links and channels that provide the lowest BER and the highest throughput.

All **HCS** components, including the connecting hardware, the modular cords and the horizontal cables are rigorously tested and verified before they are shipped, and are warranted to provide substantial margins over the standard requirements. The final performance of the cabling, however, heavily depends on the quality of installation and termination. This was important in **HCS DataLink 100e** CAT 5e (Class D) and **HCS DataLink 250** CAT 6 (Class E) cabling, but it becomes crucial in **HCS DataLink 500A** CAT 6A (Class E<sub>A</sub>) cabling, as shorter segments of the transmission lines are visible.

For this reason Following HCS Installation Procedures is essential in order to get the best results and performance when testing the installed cabling.

The new installations procedures allow HCS trained installers relax the installation procedures of **HCS DataLink 250** Category 6 (Class E) cabling. This relaxation is enabled thanks to the outstanding performance of all HCS Certified Installers, which rendered HCS (together with the extremely high margins of HCS components) to become the most reliable cabling system in the LAN market.

The detailed installation guidelines for **HCS DataLink 500A** CAT 6A (Class EA) cabling requires a tighter procedure in order to minimize the chances of having low margins. The major reasons for low values of NEXT-loss and return-loss are incorrect termination, in which the pairs are untwisted too much.

Following carefully all installation & termination guidelines result in 100% passing permanent-links and channels with high margins of all transmission parameters.

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

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

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