

HCS obtained FORCE (Delta-EC) certificate for its Category 8 components according to ISO/IEC 11801 and CENELEC Class I Channel limits and ANSI/TIA-568.2-D Category 8 Channel limits.

Channel components:

- ✓ Simplex Channel - Horizontal cable: HCS DataLink 2000 4-Pair 22 AWG S/FTP CATEGORY 8 LS0H Horizontal Cable
P/N H08-F0402 (F can be replaced by alphanumeric symbols – coding for flame test type).
- ✓ Duplex Channel - Horizontal cable: HCS DataLink 2000 8-Pair 22 AWG S/FTP CATEGORY 8 LS0H Horizontal Cable
P/N H08-F0804 (F can be replaced by alphanumeric symbols – coding for flame test type).
- ✓ Connectors: HCS DataLink 2000 8P8C RJ45 Shielded CATEGORY 8 Keystone Jack
P/N J08-00823
- ✓ Modular cords: HCS DataLink 2000 4-Pair RJ45/RJ45 Shielded S/FTP CATEGORY 8 LS0H Modular Cords
P/N T08-00480.

The channels were tested in two configurations:

Short channel (7m): 5m Permanent Link + 2x1m cords.

Note: Testing short channels is essential to prove compliance as short channels are used extensively in data-centers and high-quality connectors are needed to minimize reflected FEXT.

Long channel (30m): 26m Permanent Link + 2x2m cords

The certificate also includes verification of a long Class EA/Category 6A channel, made with 90m Category 8 cable, two Category 8 jacks and two 2m Category 8 modular cords.

Note: Conformance to Class EA/CAT6A limits in >30m channels enables to install CAT8 components and use them to support 10GBASE-T until future protocols will support higher data-rates on long channels.

The certificate is attached to this newsletter and is available online at [FORCE \(Delta-EC\) website](http://www.force-ec.com).

HCS is the only Turkish cables manufacturer having this certificate and one of the very few world-wide. Additional information available upon request.

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

Compliance Statement

No. 2018-882A

Screened Channel, Class I (Category 8)

Company

HCS - HES Cabling Systems
Oruc Reis Mah Giyimkent Sitesi Vadi Cad. No: 3A
34235 Esenler
Istanbul
Turkey

Channel Identification (2 connector model)

Horizontal cable:

HCS DataLink 2000 4-Pair 22 AWG S/FTP CATEGORY 8 LS0H Horizontal Cable; P/N H08-F0402
HCS DataLink 2000 8-Pair 22 AWG S/FTP CATEGORY 8 LS0H Horizontal Cable; P/N H08-F0804
(F can be replaced by alphanumeric symbols – coding for flame-test type)

Cords:

HCS DataLink 2000 4-Pair RJ45/RJ45 Shielded S/FTP CATEGORY 8 LS0H Modular Cords; P/N T08-00480

Connecting hardware for interconnect/equipment outlet:

HCS DataLink 2000 8P8C RJ45 Shielded CATEGORY 8 Keystone Jack; P/N J08-00823

Channel test configurations (cord/horizontal cable/cord):

Long channel: 2 m / 26 m / 2 m
Short channel: 1 m / 5 m / 1 m

The channel further complies with Class E_A (Category 6A) channel requirements when tested in the following configuration:

Class E_A channel: 2 m / 90 m / 2 m

Generic cabling standards - Class I Channel requirements

- ISO/IEC 11801-1:2017 (Ed. 1.0) / ISO/IEC 11801-5:2017 (Ed. 1.0)
- EN 50173-1:2018 / EN 50173-2:2018
- TIA-568.2-D:2018

Technical report

T830904, DANAK-19/19754

EC Cabling product ID

6801

CS valid until


1 February 2020

This product has been tested by FORCE Technology up and complies with the electrical requirements of the above specified standards and "Terms and conditions for the EC VERIFIED programme for Generic and Coaxial Cabling", DQP231006.

The product takes part in a maintenance of certification schedule, which implies that FORCE Technology performs a sample test of the product once a year.

This compliance statement has been revised.

Hørsholm, 30 November 2018



Lars Lindskov Pedersen
Test Manager



Dennis Andersen
Head of Department

