



HCS Newsletter

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HCS LAN Copper Cables Compliance to the European Union Directive 2002/95/EC (RoHS)

As of 1 August 2005 all HCS LAN Horizontal bulk cables will fully comply to EU-Directive 2002/95/EC (RoHS).

1. Background

This statement is based on the following EU Directives:

1.1. EU-Directive 2002/95:

Restriction of use of hazardous substances in electrical equipment, (RoHS) to become effective as of 1 July 2006.

1.2. Unofficial note of the Technical Adaptation Committee on the WEEE and RoHS Directives dated 16 March 2005 - Draft Decision establishing the RoHS Directive maximum concentration values (MCV).

At the date of publication, the following MCV were proposed:

Lead: 0.1% = 1000 ppm Cadmium 0.01% = 100 ppm Mercury 0.1% = 1000 ppm

Chromium VI 0.1% = 1000 ppm PBB 0.1% = 1000 ppm PBDE 0.1% = 1000 ppm

HCS monitors closely the relevant EU publications and in case of need updated statements will be issued.

1.3. EU-Directive 2002/96:

Waste electrical and electronic equipment, WEEE, to become effective as of 13 August 2005, concerning financing collection, treatment & recycling of waste.

2. Scope

This statement relates to all HCS Horizontal Bulk LAN cables, as detailed in Annex A.

3. Compliance statement

None of the hazardous substances as stated in the relevant EU-Guidelines are intentionally added to HCS Horizontal Bulk LAN cables during the manufacturing process.

The concentrations of the hazardous substances as stated in the relevant EU-Guidelines found in the components and raw materials used to manufacture HCS Horizontal Bulk LAN cables are well below the MCV allowed, as detailed in Annex B.

Therefore, HCS - HES Cabling Systems cables are in full compliance to the European Union Directive 2002/95/EC (RoHS).

4. Marking

As of 1 August 2005 all reels and boxes containing HCS Horizontal Bulk LAN cables shall be identified with the following label:



Sincerely,

Ergün Rıza AKAN
Asst. General Manager

HCS – HES Cabling Systems

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Annex A

HCS Horizontal Bulk LAN cables

HCS P/N Series	Cable Type
H03	HCS CAT 3 UTP Indoor & Outdoor cables
H05	HCS CAT 5 UTP, FTP & SFTP Indoor cables
H5E	HCS CAT 5e UTP, FTP & SFTP Indoor cables
H06	HCS CAT 6 UTP, FTP & SFTP Indoor cables
H6E	HCS CAT 6E UTP Indoor cables
H07	HCS CAT 7 S/STP Indoor cables
H08	HCS CAT 8 S/STP Indoor cables

Annex B

MCV in material of construction & components of HCS Horizontal Bulk LAN cables

Components & raw material types

1	Bare Copper conductors	7	PET-Aluminium laminated tapes
2	Tin-coated Copper conductors	8	PVC Jacketing compound
3	Solid PE insulation, Natural	9	LSOH Jacketing compound
4	Cellular PE insulation, Natural	10	PE color concentrate
5	PET tapes	11	PVC color concentrate
6	PP tapes	12	Lubricants, processing aids & inks

Substance	EU Max. ppm	Maximum concentrations in Components & raw material types - ppm											
		1	2	3	4	5	6	7	8	9	10	11	12
Lead	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	50	BDL	BDL	50	BDL
Cadmium	100	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Mercury	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chromium VI	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
PBB	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
PBDE	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Note: BDL = Below detection level

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