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National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 2713-005:2006

ICS 49.060

AEROSPACE SERIES - CABLES, ELECTRICAL, SINGLE AND MULTICORE FOR GENERAL PURPOSE - OPERATING TEMPERATURES BETWEEN - 55 °C AND 200 °C - PART 005: SCREENED (SPIRAL) AND JACKETED, CO2 LASER PRINTABLE - PRODUCT STANDARD

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 2713-005

July 2006

ICS 49.060

English Version

Aerospace series - Cables, electrical, single and multicore for general purpose - Operating temperatures between - 55 °C and 200 °C - Part 005: Screened (spiral) and jacketed, CO2 laser printable - Product standard

Série aérospatiale - Câbles, électriques, mono et multiconducteurs d'usage général - Températures de fonctionnement comprises entre - 55 °C et 200 °C - Partie 005 : Blindés (guipés) et gainés, marquables au laser CO2 - Norme de produit

Luft- und Raumfahrt - Leitungen, elektrisch, ein- und mehradrig, für allgemeine Verwendung - Betriebstemperaturen zwischen - 55 °C und 200 °C - Teil 005: Geschirmt (Umseilung) und ummantelt, CO2 Laser bedruckbar - Produktnorm

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Foreword

This European Standard (EN 2713-005:2006) has been prepared by the Aerospace and Defence Industries Association of Europe - Standardization (ASD-STAN).

After enquiries and votes carried out in accordance with the rules of this Association, this Standard has received the approval of the National Associations and the Official Services of the member countries of ASD, prior to its presentation to CEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by January 2007, and conflicting national standards shall be withdrawn at the latest by January 2007.

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1 Scope

This standard specifies the characteristics of CO_2 laser printable, single and multicore screened (spiral) and jacketed electrical cables for use in the on-board electrical systems of aircraft, at operating temperatures between – 55 °C and 200 °C.

It shall also be possible to mark these cables by hot stamp printing or ink jet printing.

These markings shall be in accordance with EN 3838.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 2083, *Aerospace series — Copper or copper alloy conductors for electrical cables — Product standard.*

EN 2235, *Aerospace series — Single and multicore electrical cables, screened and jacketed — Technical specification.*

EN 2266-003, *Aerospace series — Cables, electrical, for general purpose — Operating temperatures between – 55 °C and 200 °C — Part 003: Ink jet printable — Product standard.*

EN 2713-002, *Aerospace series — Cables, electrical, single and multicore for general purpose — Operating temperatures between – 55 °C and 200 °C — Part 002: Screened and jacketed — General.*

EN 3475-100*, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 100: General.*

EN 3838, *Aerospace series — Requirements and tests on user-applied markings on aircraft electrical cables.* 1)

EN 9133, *Aerospace series — Quality management systems — Qualification Procedure for aerospace standard parts.*

3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN 3475-100 apply.

4 Materials and construction

4.1 Materials

These cables shall consist of the following:

— cores according to EN 2266-003, top coat dispersion fluorocarbon;

— number of cores 1 to 4.

2 to 4-core cables shall be twisted together according to EN 2235.

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* And all its parts quoted in Table 2.

1) Published as ASD Prestandard at the date of publication of this standard.

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