



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 2267-005:2006

ICS 49.060

**AEROSPACE SERIES - CABLES,  
ELECTRICAL, FOR GENERAL PURPOSE -  
OPERATING TEMPERATURES BETWEEN - 55  
C AND 260 C - PART 005: UV LASER  
PRINTABLE - PRODUCT STANDARD**

National Standards  
Authority of Ireland  
Glasnevin, Dublin 9  
Ireland

Tel: +353 1 807 3800  
Fax: +353 1 807 3838  
<http://www.nsai.ie>

**Sales**  
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EUROPEAN STANDARD

**EN 2267-005**

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2006

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ICS 49.060

English Version

**Aerospace series - Cables, electrical, for general purpose -  
Operating temperatures between - 55 C and 260 C - Part 005:  
UV laser printable - Product standard**

Série aéronautique - Câbles, électriques, d'usage général -  
Températures de fonctionnement comprises entre - 55 C  
et 260 C - Partie 005 : Marquables au laser UV - Norme de  
produit

Luft- und Raumfahrt - Leitungen, elektrisch, für allgemeine  
Verwendung - Betriebstemperaturen zwischen - 55 C und  
260 C - Teil 005: UV Laser bedruckbar - Produktnorm

This European Standard was approved by CEN on 26 September 2005.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

**Management Centre: rue de Stassart, 36 B-1050 Brussels**

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## **Foreword**

This European Standard (EN 2267-005:2006) has been prepared by the European Association of Aerospace Manufacturers - Standardization (AECMA-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 AECMA, 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 **December 2006**, and conflicting national standards shall be withdrawn at the latest by **December 2006**.

**Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.**

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

## EN 2267-005:2006 (E)

### 1 Scope

This standard specifies the characteristics of UV laser printable electrical cables for use in the on-board electrical systems of aircraft at operating temperatures between  $-55\text{ °C}$  and  $260\text{ °C}$ .

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 2084, *Aerospace series — Cables, electric, single-core, general purpose, with conductors in copper or copper alloy — Technical specification.*

EN 2267-002, *Aerospace series — Cables, electrical, for general purpose — Operating temperatures between  $-55\text{ °C}$  and  $260\text{ °C}$  — Part 002: 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.*<sup>1)</sup>

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

### 3 Terms, definitions and symbols

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

### 4 Materials and construction

#### 4.1 Materials

##### Conductor:

See EN 2267-002.

##### Insulation:

— for conductor sizes code 001 to 010:

- first layer polyimide with total thickness (nominal value) of  $30\text{ }\mu\text{m}$ , coated on both sides with a layer  $2,5\text{ }\mu\text{m}$  thick of fluorocarbon;

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\* All parts quoted in this standard.

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

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