



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 2346-002:2006**

ICS 49.060

**AEROSPACE SERIES - CABLE, ELECTRICAL,  
FIRE RESISTANT - OPERATING  
TEMPERATURES BETWEEN - 65 °C AND 260  
°C - PART 002: GENERAL**

National Standards  
Authority of Ireland  
Glasnevin, Dublin 9  
Ireland

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

**Sales**  
<http://www.standards.ie>

*This Irish Standard was  
published under the  
authority of the National  
Standards Authority of  
Ireland and comes into  
effect on:  
4 August 2006*

**NO COPYING WITHOUT NSAI  
PERMISSION EXCEPT AS  
PERMITTED BY COPYRIGHT  
LAW**

© NSAI 2006

**Price Code E**

Údarás um Chaighdeán Náisiúnta na hÉireann



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 2346-002**

June 2006

ICS 49.060

English Version

**Aerospace series - Cable, electrical, fire resistant - Operating  
temperatures between - 65 °C and 260 °C - Part 002: General**

Série aérospatiale - Câbles électriques résistant au feu -  
Températures de fonctionnement comprises entre - 65 °C  
et 260 °C - Partie 002 : Généralités

Luft- und Raumfahrt - Feuerbeständige elektrische  
Leitungen - Betriebstemperaturen zwischen - 65 °C und  
260 °C - Teil 002: Allgemeines

This European Standard was approved by CEN on 3 February 2006.

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**

<b>Contents</b>		<b>Page</b>
<b>Foreword</b> .....		<b>3</b>
<b>1</b>	<b>Scope</b> .....	<b>4</b>
<b>2</b>	<b>Normative references</b> .....	<b>4</b>
<b>3</b>	<b>Definitions</b> .....	<b>4</b>
<b>4</b>	<b>List of product standards</b> .....	<b>4</b>
<b>5</b>	<b>Materials and construction</b> .....	<b>5</b>
<b>6</b>	<b>Identification and marking</b> .....	<b>6</b>
<b>7</b>	<b>Technical specification</b> .....	<b>7</b>

## **Foreword**

This European Standard (EN 2346-002:2006) 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 2346-002:2006 (E)

### 1 Scope

This standard specifies the list of product standards and common characteristics of fire resistant or fire-proof electrical cables for use in the on-board electrical systems of aircraft at operating temperatures between – 65 °C and 260 °C. (Except otherwise specified in the product standard).

### 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.

IEC 28:1925, *International standard of resistance for copper*.

EN 2234, *Aerospace series – Cable, electrical, fire resistant – Technical specification*.<sup>1)</sup>

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>

TR 6058, *Aerospace series – Cable code identification list*.<sup>2)</sup>

### 3 Definitions

For the purposes of this standard, the definitions given in EN 3475-100 apply.

### 4 List of product standards

EN 2346-003, *Aerospace series – Cable, electrical, fire resistant – Operating temperatures between – 65 °C and 260 °C – Part 003: DL family, single core – Product standard*.

EN 2346-004, *Aerospace series – Cable, electrical, fire resistant – Operating temperatures between – 65 °C and 260 °C – Part 004: DN family, single UV laser printable and multicore assembly – Light weight – Product standard*.

EN 2346-005, *Aerospace series – Cable, electrical, fire-resistant – Operating temperatures between – 65 °C and 260 °C – Part 005: DW family, single UV laser printable and multicore assembly – Light weight – Product standard*.

---

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

2) Published as AECMA Technical Report at the date of publication of this standard.

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- Looking for additional Standards? Visit Intertek Inform Infostore
  - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-