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**IRISH STANDARD**

**I.S. EN 3375-001:2007**

ICS 49.060

**AEROSPACE SERIES - CABLE, ELECTRICAL,  
FOR DIGITAL DATA TRANSMISSION - PART  
001: TECHNICAL SPECIFICATION**

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EUROPEAN STANDARD

**EN 3375-001**

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

**Aerospace series - Cable, electrical, for digital data transmission  
- Part 001: Technical specification**

Série aérospatiale - Câbles électriques pour transmission  
de données numériques - Partie 001 : Spécification  
technique

Luft- und Raumfahrt - Elektrische Leitungen für  
Digitaldatenübertragungen - Teil 001: Technische  
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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 CEN Management Centre has the same status as the official versions.

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## **Contents**

Page

<b>Foreword</b> .....	<b>3</b>
<b>1 Scope</b> .....	<b>4</b>
<b>2 Normative references</b> .....	<b>4</b>
<b>3 Terms and definitions</b> .....	<b>4</b>
<b>4 Materials and construction of cables</b> .....	<b>4</b>
<b>5 Required characteristics</b> .....	<b>6</b>
<b>6 Tests methods</b> .....	<b>6</b>
<b>7 Quality assurance</b> .....	<b>10</b>
<b>8 Identification and marking</b> .....	<b>12</b>
<b>9 Packaging, labelling and delivery lengths</b> .....	<b>13</b>

## **Foreword**

This document (EN 3375-001:2007) 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of an identical text or by endorsement, at the latest by January 2008, and conflicting national standards shall be withdrawn at the latest by January 2008.

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, Bulgaria, 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 3375-001:2007 (E)

### 1 Scope

This standard specifies the required characteristics, test methods, qualification and acceptance conditions of signal data transmission electrical cables.

### 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.

ISO 2574, *Aircraft — Electrical cables — Identification marking*.

ISO 8815, *Aircraft — Electrical cables and cable harnesses — Vocabulary*.

EN 2083, *Aerospace series — Copper and copper alloys 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 2235, *Aerospace series — Single and multicore electrical cables, screened and jacketed*.

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 4434, *Aerospace series — Copper or copper alloy lightweight conductors for electrical cables — Product standard (Normal and tight tolerances)*.

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

### 3 Terms and definitions

For the purposes of this standard, the terms and definitions given in ISO 8815 and EN 3475-100 apply.

### 4 Materials and construction of cables

#### 4.1 General

The composition, dimensions and mass of the cable shall conform to the characteristics below, as well as the values specified in the product standards.

The individual cores shall conform to EN 2083 or EN 4434, EN 2084 and the product standards.

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\* And all parts quoted in this standard.

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

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