



National Standards Authority of Ireland

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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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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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of an identical text or by endorsement, at the latest by January 2008, and conflicting national standards shall be withdrawn at the latest by January 2008.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.

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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*.¹⁾

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.

* And all parts quoted in this standard.

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