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Aerospace series - Cable, electrical, aircraft use - Test methods - Part 407: Flammability

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EESTI STANDARDI EESSÕNA **NATIONAL FOREWORD**

Käesolev Eesti standard EVS-EN 3475-407:2005 sisaldab Euroopa standardi EN 3475-407:2005 ingliskeelset teksti.	This Estonian standard EVS-EN 3475-407:2005 consists of the English text of the European standard EN 3475-407:2005.
Käesolev dokument on jõustatud 28.12.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.	This document is endorsed on 28.12.2005 with the notification being published in the official publication of the Estonian national standardisation organisation.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

Käsitlusala: This standard specifies two methods of determining the flammability characteristics of a finished cable.	**Scope:** This standard specifies two methods of determining the flammability characteristics of a finished cable.

ICS 13.220.40, 49.060

Võtmesõnad: aerospace transport, air transport, aircraft, cables, electric cables, electric conductors, electrical, electrical cords, fire resistance, flame resistance, flammability, multilingual, refractability, specification (approval), specifications, testing

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Standardite reprodutseerimis- ja levitamisõigus kuulub Eesti Standardikeskusele

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 3475-407

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ICS 13.220.40; 49.060

Supersedes EN 3475-407:2002

English Version

Aerospace series - Cable, electrical, aircraft use - Test methods - Part 407: Flammability

Série aérospatiale - Câbles électriques à usage aéronautique - Méthodes d'essais - Partie 407 : Tenue à la flamme

Luft- und Raumfahrt - Elektrischen Leitungen für Luftfahrt Verwendung - Prüfverfahren - Teil 407: Entflammbarkeit

This European Standard was approved by CEN on 12 September 2005.

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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 Central Secretariat has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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Foreword

This European Standard (EN 3475-407:2005) 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 April 2006, and conflicting national standards shall be withdrawn at the latest by April 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.

This European Standard supersedes EN 3475-407:2002.

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, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This standard specifies two methods of determining the flammability characteristics of a finished cable.

It shall be used together with EN 3475-100.

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

3 Equipment

The following equipment shall be required for these tests:

a) **Test chamber:** this shall be a chamber measuring not less than 700 mm high × 500 mm wide × 300 mm deep, enclosed at the top, open at the front and situated in a draught-free environment but with sufficient air supply to provide normal combustion. General arrangements are shown in Figures 1 and 2.

b) **Bunsen type gas burner:** the burner shall have a 6 mm inlet, a needle valve in the base for gas adjustment, a nominal bore of 9 mm and a barrel of approximately 100 mm above the air inlets. The gas supply shall be capable of achieving the test requirements defined in 4.1.2 and 4.2.2.

WARNING — Care should be exercised in setting up and performing this test as toxic fumes may be given off during combustion. The test chamber shall be placed in a fume cabinet that will allow evacuation of gaseous products of combustion at the end of the test.

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