

Aerospace series - Cables, electrical, aircraft use - Test methods - Part 402: Shrinkage and delamination

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Test methods - Part 402: Shrinkage and
delamination

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 3475-402:2002 sisaldab Euroopa standardi EN 3475-402:2002 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 12.07.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 3475-402:2002 consists of the English text of the European standard EN 3475-402:2002.</p> <p>This document is endorsed on 12.07.2002 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: This standard specifies a method of measuring the shrinkage and delamination of a finished cable. It shall be used together with EN 3475-100.</p>	<p>Scope: This standard specifies a method of measuring the shrinkage and delamination of a finished cable. It shall be used together with EN 3475-100.</p>
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ICS 49.060

Võtmesõnad: aerospace transport, air transport, aircraft, cables, delamination, electric cables, electric conductors, electrical, electrical cords, peeling, shrinkage, shrinkage behaviour, specification (approval), specifications, testing

ICS 49.060

English version

Aerospace series - Cables, electrical, aircraft use - Test
methods - Part 402: Shrinkage and delamination

Série aérospatiale - Câbles électriques à usage
aéronautique - Méthodes d'essai - Partie 402: Retrait et
délamination

Luft- und Raumfahrt - Elektrische Leitungen für Luftfahrt,
Verwendung - Prüfverfahren - Teil 402: Schrumpfen und
Aufblättern

This European Standard was approved by CEN on 6 August 2001.

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 Management Centre 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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

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Foreword

This document (EN 3475-402:2002) has been prepared by the European Association of Aerospace Manufacturers (AECMA).

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 July 2002, and conflicting national standards shall be withdrawn at the latest by July 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This standard specifies a method of measuring the shrinkage and delamination of a finished cable. It shall be used together with EN 3475-100.

2 Normative references

This European Standard incorporates by dated or undated reference provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 3475-100 Aerospace series – Cables, electrical, aircraft use – Test methods – Part 100: General

3 Preparation of a specimen

A specimen of 300 mm shall be taken from the finished cable and cut at the ends so that the conductor is level with the insulation at the two ends or in the case of shielded cables, all the conductors of a cable are in the same plane as the jacket at the two ends.

4 Apparatus

An air circulating oven shall be required for this test.

5 Method

5.1 Procedure

The specimen shall be placed in an air circulation oven for 6 h at the temperature specified in the product standard.

After this time the specimen shall be removed from the oven and returned to ambient temperature.

5.2 Requirement

The maximum shrinkage at either end, considered as the length of any bared part of the conductor(s), shall not exceed the values stated in the product standard.

Any debonding of layers, either along the insulation or at the ends, shall be considered a defect.