



SLOVENSKI STANDARD SIST EN 3475-502:2004

01-maj-2004

Aerospace series - Cables, electrical, aircraft use - Test methods - Part 502: Notch propagation

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Luft- und Raumfahrt - Elektrische Leitungen für Luftfahrt, Verwendung - Prüfverfahren - Teil 502: Weiterreißfestigkeit

Série aérospatiale - Câbles électriques a usage aéronautique - Méthodes d'essai - Partie 502: Résistance a la propagation de l'entaille

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Ta slovenski standard je istoveten z: EN 3475-502:2002

ICS:

49.060 Štejni sistemi in oprema za letalstvo in zrakoplovstvo Aerospace electric equipment and systems

SIST EN 3475-502:2004 en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 3475-502

January 2002

ICS 49.060

English version

**Aerospace series - Cables, electrical, aircraft use - Test
methods - Part 502: Notch propagation**

Série aérospatiale - Câbles électriques à usage
aéronautique - Méthodes d'essai - Partie 502: Résistance à
la propagation de l'entaille

Luft- und Raumfahrt - Elektrische Leitungen für Luftfahrt,
Verwendung - Prüfverfahren - Teil 502: Weitereißfestigkeit

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.

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

Management Centre: rue de Stassart, 36 B-1050 Brussels

Foreword

This document (EN 3475-502:2002) 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 evaluating an insulation resistance to propagation of surface notch. 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
EN 3475-302	Aerospace series – Cables, electrical, aircraft use – Test methods – Part 302: Voltage proof test

3 Preparation of specimens

Each end of a specimen of 500 mm length of cable is stripped over 25 mm.

The insulation or jacket is cut at 90° to the axis of the cable to the depth specified in the product standard approximately in the centre of the specimen. This cut shall be made with a razor blade fitted in a tool allowing control of the depth of the cut (see figure 1).

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4 Apparatus

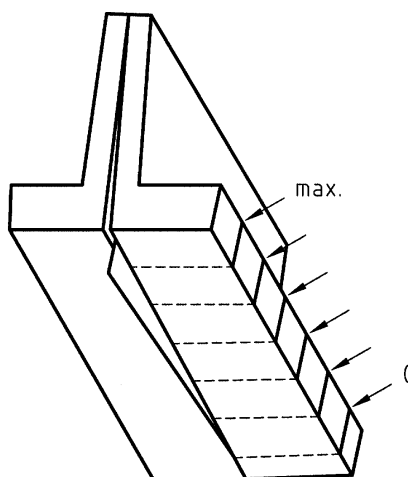


Figure 1 – Principle of blade holder

EN 3475-502:2002 (E)

5 Method

5.1 Procedure

The specimen cut in this way shall be wound at least 360° round a mandrel of diameter six times that of the maximum diameter of the cable specified in the product standard, with the cut on the outside.

The specimen shall then be removed from the mandrel and shall withstand the voltage proof test defined in EN 3475-302.

5.2 Requirements

No puncturing of the insulation or jacket shall be allowed.

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