



**SLOVENSKI STANDARD
SIST EN 2591-424:2004**

01-maj-2004

Aerospace series - Elements of electrical and optical connection - Test methods - Part 424: Stripping force, solderless wrapped connections

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Luft- und Raumfahrt - Elektrische und optische Verbindungselemente - Prüfverfahren - Teil 424: Abziehungskraft von lötfreien Wickelverbindungen

Série aérospatiale - Organes de connexion électrique et optique - Méthodes d'essais - Partie 424 : Force d'arrachement des connexions enroulées sans brasure

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Ta slovenski standard je istoveten z: EN 2591-424:2001

ICS:

49.060 Štejni aparati in oprema za letalstvo in vesolje
Aerospace electric equipment and systems

SIST EN 2591-424:2004

en

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EUROPEAN STANDARD

EN 2591-424

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2001

ICS 49.060

English version

**Aerospace series - Elements of electrical and optical connection
- Test methods - Part 424: Stripping force, solderless wrapped
connections**

Série aérospatiale - Organes de connexion électrique et
optique - Méthodes d'essais - Partie 424: Force
d'arrachement des connexions enroulées sans brasure

Luft- und Raumfahrt - Elektrische und optische
Verbindungselemente - Prüfverfahren - Teil 424:
Abziehkraft von lötfreien Wickelverbindungen

This European Standard was approved by CEN on 4 June 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, 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 European Standard has been prepared by the European Association of Aerospace Manufacturers (AECMA).

After inquiries 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 May 2002, and conflicting national standards shall be withdrawn at the latest by May 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, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This standard specifies a method of determining the stripping force of solderless wrapped connections used in elements of electrical and optical connection.

It shall be used together with EN 2591-100.

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 2591-100	Aerospace series – Elements of electrical and optical connection – Test methods – Part 100: General ¹⁾
EN 2591-101	Aerospace series – Elements of electrical and optical connection – Test methods – Part 101: Visual examination
EN 2591-102	Aerospace series – Elements of electrical and optical connection – Test methods – Part 102: Examination of dimensions and mass

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3 Preparation of specimens

3.1 The specimens shall be examined according to EN 2591-101 and EN 2591-102 and prepared as specified.

3.2 Unless specified in the technical specification, the following details shall be stated:

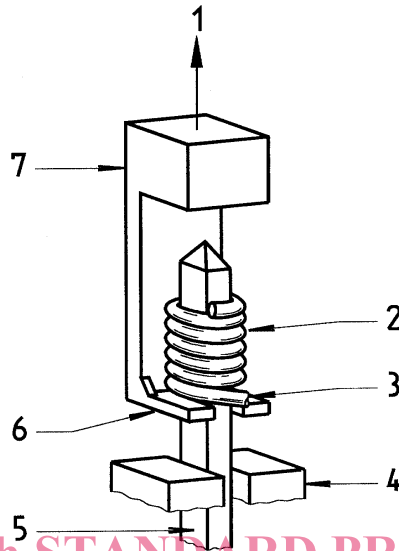
- type of conductor or cable;
- type of contact;
- wrapping tool;
- stripping tool;
- type of wrapping, single or double;
- requirement.

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

4 Apparatus

See figure 1.

The clearance between the specimens and the stripping tool shall not exceed 50 % of the diameter of the wrapped conductor or the cable.



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Key

- 1 Stripping force
- 2 Solderless wrapping, single or double
- 3 Conductor or cable
- 4 Holding device
- 5 Specimen
- 6 Forked hook
- 7 Stripping tool

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Figure 1 – Apparatus

5 Method

5.1 Procedure

The stripping force shall be applied along the longitudinal axis of the specimen at a constant speed between 25 mm/min and 50 mm/min (see figure 1).

It shall be applied until the turns have moved along the axis of the specimen over a distance equal to the conductor or cable diameter.

The necessary force shall be measured.

5.2 Requirement

The measured force shall not be less than the specified value.