



SLOVENSKI STANDARD
SIST EN 6059-302:2017

01-junij-2017

Aeronavtika - Električni kabli, namestitvev - Zaščitne obojke - Preskusne metode - 302. del: Izpostavljenost visoki temperaturi

Aerospace series - Electrical cables, installation - Protection sleeves - Test methods - Part 302: High temperature exposure

Luft- und Raumfahrt - Elektrische Leitungen, Installation - Schutzschläuche - Prüfverfahren - Teil 302: Hochtemperaturbeständigkeit

Série aérospatiale - Câbles électriques, installation - Gainses de protection - Méthodes d'essais - Partie 302 : Exposition à haute température

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Ta slovenski standard je istoveten z: EN 6059-302:2017

ICS:

29.060.20	Kabli	Cables
49.060	Letalska in vesoljska električna oprema in sistemi	Aerospace electric equipment and systems

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EUROPEAN STANDARD

EN 6059-302

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2017

ICS 49.060

English Version

Aerospace series - Electrical cables, installation - Protection sleeves - Test methods - Part 302: High temperature exposure

Série aérospatiale - Câbles électriques, installation -
Gaines de protection - Méthodes d'essais - Partie 302 :
Exposition à haute température

Luft- und Raumfahrt - Elektrische Leitungen,
Installation - Schutzschläuche - Prüfverfahren - Teil
302: Hochtemperaturbeständigkeit

This European Standard was approved by CEN on 6 February 2017.

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 CEN-CENELEC Management Centre or to any CEN member.

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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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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European foreword

This document (EN 6059-302:2017) 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 September 2017, and conflicting national standards shall be withdrawn at the latest by September 2017.

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.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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EN 6059-302:2017 (E)**1 Scope**

This European Standard specifies a method for the high temperature exposure of protection sleeve for electrical cable and cable bundles for aerospace application.

It shall be used together with EN 6059-100.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 6059-100, *Aerospace series — Electrical cables, installation — Protection sleeves — Test methods — Part 100: General*

3 Preparation of specimens

A specimen with a minimum length of 600 mm is taken from a finished sleeve.

4 Apparatus

- A stainless steel mandrel which shall have the nominal diameter of the sleeve. The length of the mandrel shall be > 600 mm.
- A laboratory oven capable of reaching the maximum temperature of the specimen which is specified in the product standard as maximum operating temperature.

5 Method

<https://standards.iteh.ai/catalog/standards/sist/d5846b9b-f98c-4d5d-8853-f86cc73f2563/sist-en-6059-302-2017>

The specimen shall be slit over the mandrel and exposed in the oven for 168 h.

The temperature of the oven shall be ± 5 °C of the maximum temperature of the specimen which is specified in the product standard.

6 Requirements

All specimen shall meet the dimensions and expanding range as specified in the product standard.

No damage or broken fibres shall be found after the test. All tows (multifilament fibres) or fibres (monofilament fibres) shall meet the minimum tensile strength as specified in the product standard. Closures (if present) shall not be damaged.