



SLOVENSKI STANDARD
SIST EN 6059-202:2017

01-marec-2017

Aeronavtika - Električni kabli, namestitvev - Zaščitne obojke - Preskusne metode - 202. del: Mere in mase

Aerospace series - Electrical cables, installation - Protection sleeves - Test methods - Part 202: Dimensions and mass

Luft- und Raumfahrt - Elektrische Leitungen, Installation - Schutzschläuche - Prüfverfahren - Teil 202: Maße und Masse

Série aérospatiale - Câbles électriques, installation - Gainses de protection - Méthodes d'essais - Partie 202: Dimensions et masse

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Ta slovenski standard je istoveten z: EN 6059-202:2016

ICS:

49.060	Letalska in vesoljska električna oprema in sistemi	Aerospace electric equipment and systems
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SIST EN 6059-202:2017

en,fr,de

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EUROPEAN STANDARD

EN 6059-202

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2016

ICS 49.060

English Version

Aerospace series - Electrical cables, installation - Protection sleeves - Test methods - Part 202: Dimensions and mass

Série aérospatiale - Câbles électriques, installation -
Gaines de protection - Méthodes d'essais - Partie 202:
Dimensions et masse

Luft- und Raumfahrt - Elektrische Leitungen,
Installation - Schutzschläuche - Prüfverfahren - Teil
202: Maße und Masse

This European Standard was approved by CEN on 23 October 2016.

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, 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 6059-202:2016) 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 June 2017, and conflicting national standards shall be withdrawn at the latest by June 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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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EN 6059-202:2016 (E)**1 Scope**

This European Standard specifies a method for the examination of dimensions and mass of protection sleeve for electrical cable and cable bundles. 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*

EN 6059-401, *Aerospace series — Electrical cables, installation — Protection sleeves — Test methods — Part 401: Expansion range* ¹⁾

3 Equipment

The following equipment shall be required for these tests:

For the examination of the mass an instrument with an electronic scale shall be used with an accuracy of at least $\pm 0,05$ g.

For the examination of the delivered diameter a mandrel with the specified delivered diameter and a minimum length of 350 mm shall be used.

For detailed dimensions [e.g. diameter of fibres, thickness of sheet when applicable (e.g. metal foils)] a micrometre with an accuracy of at least $\pm 0,05$ mm shall be used. For textile fabrics (woven, knitted, braided, and non-woven mats) a disk micrometre of the non-rotating spindle type shall be used and the measure must be taken on the flat fabric. The disk shall have a diameter of $20 \text{ mm} \pm 1,0 \text{ mm}$.

4 Procedures**4.1 Dimensions**

Measurement of the delivered diameter:

The length of the sleeve shall be measured before and after application of the sleeve to the mandrel. If the delivered diameter is the maximum diameter or the minimum diameter, the length of the sleeve shall be measured on the mandrel in the test conditions mentioned in EN 6059-401. If the delivered diameter is between the maximum diameter and the minimum diameter, the sleeve shall be slid over the mandrel. The sleeve shall contact the mandrel at all places by use of tape which is wrapped around the sleeve.

Measurement other dimensions (if applicable):

All other dimensions shall be measured in the delivered condition (not mounted on a mandrel).

1) Published as ASD-STAN Prestandard at the date of publication of this standard by AeroSpace and Defence industries Association of Europe - Standardization (ASD-STAN) (www.asd-stan.org)

4.2 Mass

The examination of the mass shall be conducted on a specimen at least 0,5 m long, expressed in g/m.

5 Requirements

5.1 Dimensions

The maximum difference between the measured lengths of the specimen (before and after application on the mandrel) shall comply with the product standard.

Other dimensions (if applicable) shall comply with the product standard.

5.2 Mass

The mass of the specimen shall comply with the product standard.

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