

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

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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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.

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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of an identical text or by endorsement, at the latest by June 2017, and conflicting national standards shall be withdrawn at the latest by June 2017.

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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)