

Aerospace series - Electrical cables, installation -
Protection sleeves - Test methods - Part 401: Expansion
range

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 6059-401:2022 sisaldab Euroopa standardi EN 6059-401:2022 ingliskeelset teksti.	This Estonian standard EVS-EN 6059-401:2022 consists of the English text of the European standard EN 6059-401:2022.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.
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ICS 49.060

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English Version

**Aerospace series - Electrical cables, installation -
Protection sleeves - Test methods - Part 401: Expansion
range**

Série aérospatiale - Câbles électriques, installation -
Gaines de protection - Méthodes d'essais - Partie 401 :
Gamme d'expansion

Luft- und Raumfahrt - Elektrische Leitungen,
Installation - Schutzschläuche - Prüfverfahren - Teil
401: Ausdehnungsbereich

This European Standard was approved by CEN on 10 January 2022.

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

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European foreword

This document (EN 6059-401:2022) 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 document 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 document shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2022, and conflicting national standards shall be withdrawn at the latest by November 2022.

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1 Scope

This document specifies a method to determine the expansion range of protection sleeve for electrical cable and cable bundles, it is used together with EN 6059-100.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 Preparation of specimens

A specimen with a minimum length of 300 mm is taken from a finished sleeve.

5 Apparatus

Mandrels with a minimum length of 350 mm and diameters equivalent to the maximum and minimum of the specimen.

6 Method

To test the maximum diameter of the sleeve, the specimen shall be slid over the mandrel with a diameter which is the maximum diameter of the specimen specified in the product standard.

To test the minimum diameter of the sleeve, the specimen shall be slid over the mandrel with a diameter which is the minimum diameter of the specimen specified in the product standard. The sleeve shall be stretched by hand.

7 Requirements

Maximum diameter test: the specimen can be slid over the mandrel.

Minimum diameter test: the specimen is fixed on the mandrel by stretching the sleeve.