



SLOVENSKI STANDARD
SIST EN 6049-005:2025

01-februar-2025

Aeronavtika - Električni kabli, namestitvev - Zaščitna obojka iz meta-aramidnih vlaken - 005. del: Upogljiva obojka z možnostjo poznejše montaže - Standard za proizvod

Aerospace series - Electrical cables, installation - Protection sleeve in meta-aramid fibres - Part 005: Sleeve flexible, post installation - Product standard

Luft- und Raumfahrt - Elektrische Leitungen, Installation - Schutzschläuche aus Meta-Aramidfasern - Teil 005: Biegsame Schutzschläuche Nachträglicher Einbau - Produktnorm

Série aérospatiale - Câbles électriques, installation - Gaine de protection en fibres méta-aramides - Partie 005 : Gaine de protection souple à installer après montage - Norme de produit

[SIST EN 6049-005:2025](https://standards.iteh.ai/SIST/EN/6049-005:2025)

<https://standards.iteh.ai/catalog/standards/sist/8ef3bb78-4d7d-4089-aa10-acce751ddfb7/sist-en-6049-005-2025>

Ta slovenski standard je istoveten z: EN 6049-005:2024

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

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EUROPEAN STANDARD

EN 6049-005

NORME EUROPÉENNE

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English Version

Aerospace series - Electrical cables, installation - Protection sleeve in meta-aramid fibres - Part 005: Sleeve flexible, post installation - Product standard

Série aérospatiale - Câbles électriques, installation -
Gaine de protection en fibres méta-aramides - Partie
005 : Gaine souple, après montage - Norme de produit

Luft- und Raumfahrt - Elektrische Leitungen,
Installation - Schutzschläuche aus Meta-Aramidfasern -
Teil 005: Biegsame Schutzschläuche Nachträglicher
Einbau - Produktnorm

This European Standard was approved by CEN on 24 June 2024.

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.

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.

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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 6049-005:2024) has been prepared by 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-STAN, 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 June 2025, and conflicting national standards shall be withdrawn at the latest by June 2025.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 6049-005:2014.

The main changes with respect to the previous edition are as follows:

- EN 6049-005 (P2), 12/2014 — Update of Clause 2 “Normative references” Correction of Figure 1 and its keys. Update of abrasion test system, tensile values, tensile expectations after ageing and mass in Table 2 “Test methods details”.

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

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EN 6049-005:2024 (E)**1 Scope**

This document specifies the characteristics of post installation flexible mechanical protection sleeves for electrical cable and cable bundles made from meta-aramid fibres and provided with a water repellent protection.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 2825, *Aerospace series — Burning behaviour of non-metallic materials under the influence of radiating heat and flames — Determination of smoke density*

EN 2826, *Aerospace series — Burning behaviour of non-metallic materials under the influence of radiating heat and flames — Determination of gas components in the smoke*

EN 3844-1, *Aerospace series — Flammability of non-metallic materials — Part 1: Small burner test, vertical — Determination of the vertical flame propagation*

EN 6049-001, *Aerospace series — Electrical cables, installation — Protection sleeve in meta-aramid fibres — Part 001: Technical specification*

EN 6059-201,¹ *Aerospace series — Electrical cables, installation — Protection sleeves — Test methods — Part 201: Visual inspection*

EN 6059-202, *Aerospace series — Electrical cables, installation — Protection sleeves — Test methods — Part 202: Dimensions and mass*

EN 6059-203, *Aerospace series — Electrical cables, installation — Protection sleeves — Test methods — Part 203: Coverage*

EN 6059-301, *Aerospace series — Electrical cables, installation — Protection sleeves — Test methods — Part 301: Sun light exposure*

EN 6059-302, *Aerospace series — Electrical cables, installation — Protection sleeves — Test methods — Part 302: High temperature exposure*

EN 6059-303, *Aerospace series — Electrical cables, installation — Protection sleeves — Test methods — Part 303: Resistance to fluids*

EN 6059-305, *Aerospace series — Electrical cables, installation — Protection sleeves — Test methods — Part 305: Fluid absorption*

EN 6059-306,¹ *Aerospace series — Electrical cables, installation — Protection sleeves — Test methods — Part 306: Mould growth*

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

¹ Published as ASD-STAN prEN at the date of publication of this document, available at: <https://www.asd-stan.org/>.