
Aeronavtika - Električni kabli, namestitvev - Zaščitne obojke iz meta-aramidnih vlaken - 009. del: Samoovojna požarno zaščitna obojka, zvijava, z možnostjo poznejše montaže, delovna temperatura od -55 °C do 260 °C - Standard za proizvod

Aerospace series - Electrical cables, installation - Protection sleeve in meta-aramid fibres - Part 009: Self-wrapping fire protection sleeve, flexible, post-installation, operating temperature from -55 °C to 260 °C - Product standard

Luft- und Raumfahrt - Elektrische Leitungen, Installation - Schutzschläuche aus Meta-Aramidfasern - Teil 009: Selbstverschließender Schutzschlauch, flexibel, nachträglich montierbar, Temperaturbereich von -55 °C bis 260 °C - Produktnorm

Série aérospatiale - Câbles électriques, installation - Gaine de protection en fibres méta-aramides - Partie 009 : Gaine de protection anti-feu auto-fermable, souple, après montage, température d'utilisation de -55 °C à 260 °C - Norme de produit

Ta slovenski standard je istoveten z: prEN 6049-009

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
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 6049-009

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ICS 49.060

Will supersede EN 6049-009:2016

English Version

**Aerospace series - Electrical cables, installation -
Protection sleeve in meta-aramid fibres - Part 009: Self-
wrapping fire protection sleeve, flexible, post-installation,
operating temperature from -55 °C to 260 °C - Product
standard**

Série aéronautique - Câbles électriques, installation -
Gaine de protection en fibres méta-aramides - Partie
009 : Gaine de protection anti-feu auto-fermable,
souple, après montage, température d'utilisation de -
55 °C à 260 °C - Norme de produit

Luft- und Raumfahrt - Elektrische Leitungen,
Installation - Schutzschläuche aus Meta-Aramidfasern -
Teil 009: Selbstverschließender Schutzschlauch,
flexibel, nachträglich montierbar, Temperaturbereich
von -55 °C bis 260 °C - Produktnorm

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee ASD-STAN.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (prEN 6049-009:2024) 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 is currently submitted to the CEN Enquiry.

This document will supersede EN 6049-009:2016.

prEN 6049-009:2024 includes the following significant technical changes with respect to EN 6049-009:2016:

- prEN 6049-009 (P3), 01/2019 — Editorial improvements, reference to AS 23053B and modification of the overlap centre layer from 130° to 90° for size code 10.

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prEN 6049-009:2024 (E)**1 Scope**

This document specifies the characteristics of post installation flexible self-wrapping fire protection sleeves for electrical cable and cable bundles, providing 360° fire protection to electrical harnesses. The sleeve assembly gives fire resistance protection to the internal electrical harness against fire for five minutes and ensures that the electrical characteristics of cables will not be degraded.

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 (all parts), *Aerospace series — Electrical cables, installation — Protection sleeve — Test methods*

AS 23053B,¹ *Insulation sleeving, electrical, heat-shrinkable, general specification for*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 6049-001 and the following apply.

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ht ISO and IEC maintain terminology databases for use in standardization at the following addresses: 6049-009-2024

— ISO Online browsing platform: available at <https://www.iso.org/obp/>

— IEC Electropedia: available at <https://www.electropedia.org/>

3.1**overlap angle**

sleeve overlap angle for maximum wire bundle diameter

¹ Published by: SAE International (US) <https://www.sae.org/>.