
Aeronavtika - Električni kabli, namestitvev - Zaščitna obojka iz meta-aramidnih vlaken - 002. del: Splošno in seznam standardov za proizvod

Aerospace series - Electrical cables, installation - Protection sleeve in meta-aramid fibres
- Part 002: General and list of product standards

Luft- und Raumfahrt - Elektrische Leitungen, Installation - Schutzschläuche aus Meta-Aramidfasern - Teil 002: Allgemeines und Liste der Produktnormen

Série aérospatiale - Câbles électriques, installation - Gaine de protection en fibres méta-aramides - Partie 002: Généralités et liste des normes de produit

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EUROPEAN STANDARD

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Aerospace series - Electrical cables, installation - Protection sleeve in meta-aramid fibres - Part 002: General and list of product standards

Série aérospatiale - Câbles électriques, installation - Gaine de protection en fibres méta-aramides - Partie 002 : Généralités et liste des normes de produit

Luft- und Raumfahrt - Elektrische Leitungen, Installation - Schutzschläuche aus Meta-Aramidfasern - Teil 002: Allgemeines und Liste der Produktnormen

This European Standard was approved by CEN on 16 January 2010.

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 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 Management Centre has the same status as the official versions.

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Foreword

This document (EN 6049-002:2010) 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 October 2010, and conflicting national standards shall be withdrawn at the latest by October 2010.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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EN 6049-002:2010 (E)**1 Scope**

This standard provides a list of all parts of sleeves in meta-aramid fibres EN 6049 required for the protection of cable and cable bundles for aerospace application.

2 Normative references

The following referenced documents are indispensable for the application 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 6049-001, *Aerospace series — Electrical cables, installation — Protection sleeve in meta-aramid fibres — Part 001: Technical specification* ¹⁾

EN 6049-003, *Aerospace series — Electrical cables, installation — Protection sleeve in meta-aramid fibres — Part 003: Braided, tubular, expandable — Product standard*

EN 6049-004, *Aerospace series — Electrical cables, installation — Protection sleeve in meta-aramid fibres — Part 004: Braided, tubular, high expandable — Product standard* ¹⁾

EN 6049-005, *Aerospace series — Electrical cables, installation — Protection sleeve in meta-aramid fibres — Part 005: Sleeve flexible, post installation — Product standard* ¹⁾

EN 6049-006, *Aerospace series — Electrical cables, installation — Protection sleeve in meta-aramid fibres — Part 006: Self-wrapping protective sleeve, flexible post installation — Product standard* ¹⁾

EN 6049-007, *Aerospace series — Electrical cables, installation — Protection sleeve in meta-aramid fibres — Part 007: Self-wrapping mechanical and electrical protective sleeve, post installation, high temperature — Product standard* ²⁾

EN 6049-008, *Aerospace series — Electrical cables, installation — Protection sleeve in meta-aramid fibres — Part 008: Self-wrapping shielded (EMI) protective sleeve with nickel copper braid, flexible post installation operating temperature from – 55 °C to 200 °C — Product standard* ¹⁾

EN 6049-009, *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* ¹⁾

EN 9133, *Aerospace series — Quality management systems — Qualification procedure for aerospace standard parts*

3 List of Product standards with their particular application

See Table 1.

1) Published as ASD-STAN Prestandard at the date of publication of this standard.

2) In preparation at the date of publication of this standard.

Table 1

Sleeve	Description	Temp range	Application
EN 6049-003	Braid sleeve, tubular, expandable product (ratio 1:2)	– 55 °C to 240 °C (or 175 °C see note)	Mechanical protection braided sleeve, standard
EN 6049-004	Braid sleeve, tubular, high expandable product (ratio 1:3)		Mechanical protection braided sleeve – High expansion for repair or adaptation to high expansion needs
EN 6049-005	Sleeve flexible, post installation, close with hook and loop	– 55 °C to 175 °C	Mechanical protection open sleeve close with hook and loop
EN 6049-006	Self-wrapping protective sleeve, post installation	– 55 °C to 200 °C	Mechanical protection self-wrapping sleeve, standard
EN 6049-007	Self-wrapping protective sleeve, post installation, high temperature	– 55 °C to 260 °C	Mechanical and Electrical protection self-wrapping sleeve – High Temp
EN 6049-008	Self-wrapping shielded (EMI) protective sleeve, flexible, post installation (-006 + screen)	– 55 °C to 240 °C	Mechanical and EMI protection self-wrapping sleeve, standard
EN 6049-009	Self-wrapping fire protection sleeve, flexible, post installation	– 55 °C to 260 °C	Mechanical and Fire protection self-wrapping sleeve, standard
NOTE Above 175 °C, loss of water repellent properties.			

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4 Quality assurance

See EN 9133.

5 Technical specification

See EN 6049-001.