



**NSAI**  
Standards

Irish Standard  
I.S. EN 6049-005:2014

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

**I.S. EN 6049-005:2014**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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**EUROPEAN STANDARD**

**EN 6049-005**

**NORME EUROPÉENNE**

**EUROPÄISCHE NORM**

December 2014

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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 de protection souple à installer au montage - Norme de produit

Luft- und Raumfahrt - Elektrische Leitungen, Installation - Schutzschläuche aus Meta-Aramidfasern - Teil 005: Schutzschlauch, flexibel, nachträglich montierbar - Produktnorm

This European Standard was approved by CEN on 21 June 2014.

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## **Foreword**

This document (EN 6049-005:2014) 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of an identical text or by endorsement, at the latest by June 2015, and conflicting national standards shall be withdrawn at the latest by June 2015.

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**EN 6049-005:2014 (E)****1 Scope**

This European Standard defines 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 repelled protection.

**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 6049-001, *Aerospace series — Electrical cables, installation — Protection sleeve in meta-aramid fibres — Part 001: Technical specification* <sup>1)</sup>

EN 6059 <sup>2)</sup>, *Aerospace series — Electrical cables, installation — protection sleeve — Test methods* <sup>1)</sup>

**3 Terms and definitions**

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

**4 Requirements****4.1 Composition and mass****4.1.1 Composition of the tows**

Each tow shall be built-up of groups of multifilament fibres made from meta-aramid.

The number of groups which forms a tow and the width of the tow depends on the braiding configuration (braiding figure and braiding angle) of the sleeve, see 4.1.2. The thickness of the tow shall be so that the finished sleeve meet the mechanical and environmental requirements. One length of sleeve shall be built-up of one type of tow.

**4.1.2 Composition, dimensions and mass of the sleeve**

The weaving of tows and the closing mechanism shall applied so that the sleeves meet the requirements for dimensions, coverage and mass. The closing system shall be a 'hook and loop' system. The weaving pattern of the tows shall be in such a way that the coverage is minimum 90 % for all sizes.

Figure 1 and Table 1 give the composition and the dimensions of the sleeve.

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1) Published as ASD-STAN Prestandard at the date of publication of this standard. <http://www.asd-stan.org/>

2) All its parts quoted in this standard.

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