

**Aerospace series - Sleeving, heat-shrinkable, for  
binding, insulation and identification - Part 001:  
Technical specification**

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN 4708-001:2014 sisaldab Euroopa standardi EN 4708-001:2014 inglisekeelset teksti.	This Estonian standard EVS-EN 4708-001:2014 consists of the English text of the European standard EN 4708-001:2014.
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.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 30.04.2014.	Date of Availability of the European standard is 30.04.2014.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile [standardiosakond@evs.ee](mailto:standardiosakond@evs.ee).

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English Version

**Aerospace series - Sleeving, heat-shrinkable, for binding,  
insulation and identification - Part 001: Technical specification**

Série aérospatiale - Manchons thermorétractables, de  
jonction, isolement et identification - Partie 001:  
Spécification technique

Luft- und Raumfahrt - Wärmeschrumpfender Schlauch zur  
Befestigung, Isolierung und Identifizierung - Teil 001:  
Technische Lieferbedingungen

This European Standard was approved by CEN on 27 December 2013.

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.

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

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

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## Foreword

This document (EN 4708-001:2014) 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 October 2014, and conflicting national standards shall be withdrawn at the latest by October 2014.

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

## 1 Scope

This European Standard specifies the required characteristics, test methods, qualification and production routine testing of heat shrinkable sleeving for binding, insulation and identification.

## 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 3475-100, *Aerospace series - Cables, electrical, aircraft use - Test methods - Part 100: General*

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

EN ISO 846, *Plastics - Evaluation of the action of microorganisms (ISO 846)*

EN ISO 4892-2, *Plastics - Methods of exposure to laboratory light sources - Part 2: Xenon-arc lamps (ISO 4892-2)*

IEC 60304<sup>1)</sup>, *Standard colours for insulation for low-frequency cables and wires*

IEC 60684-2, *Flexible insulating sleeving — Part 2: Methods of test* <sup>1)</sup>

## 3 Definitions and symbols

For the purposes of this document, the definitions and symbols given in EN 3475-100 apply.

## 4 Materials and characteristics

### 4.1 General

Sleeving shall be made from materials that ensure the finished sleeveings conform to the product standard.

### 4.2 Material types

See product standards.

### 4.3 Finish

The sleeving, both before and after unrestricted shrinkage, shall be free from bubbles, pinholes, creases and other defects that may affect performance.

### 4.4 Dimensions

See product standard.

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<sup>1)</sup> Published by: IEC International Electrotechnical Commission. <http://www.iec.ch/>