Aerospace series - Sleeving, heat-shrinkable, for binding, insulation and identification - Part 103: Fluoroelastomer sleeves - Operating temperature -55 °C to 200 °C - Product standard

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NATIONAL FOREWORD

See Eesti standard EVS-EN 4708-103:2019 sisaldab Euroopa standardi EN 4708-103:2019 ingliskeelset teksti.	This Estonian standard EVS-EN 4708-103:2019 consists of the English text of the European standard EN 4708-103:2019.
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 29.05.2019.	Date of Availability of the European standard is 29.05.2019.
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.

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Aerospace series - Sleeving, heat-shrinkable, for binding, insulation and identification - Part 103: Fluoroelastomer sleeves - Operating temperature -55 °C to 200 °C - Product standard

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Luft- und Raumfahrt - Wärmeschrumpfender Schlauch zur Befestigung, Isolierung und Identifizierung - Teil 103: Fluorpolymer Schlauch - Temperaturbereich -55 °C und 200 °C - Produktnorm

This European Standard was approved by CEN on 6 August 2018.

EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (EN 4708-103:2019) 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of an identical text or by endorsement, at the latest by November 2019, and conflicting national standards shall be withdrawn at the latest by November 2019.

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.

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1 Scope

This document specifies the required characteristics for two types a heat-shrinkable, fluoroelastomer sleeving for use in aircraft electrical systems at operating temperatures between -55 °C and 200 °C.

Type A Thick wall

Type B Thin wall

This sleeving has good flexibility, is flame retarded and has a thick wall for mechanical protection. It is for use in areas subject to prolonged contamination by aircraft fuel and fluids with the exception of phosphate ester-based hydraulic fluids. The standard colour is black.

These sleevings are normally supplied with internal diameters up to 50 mm for shrink ratios of 2:1. They are available in black only.

Sizes other than those specifically listed in this standard may be available. These items shall be considered to comply with this standard if they comply with the property requirements listed in Tables 2, 3 and 4 except for dimensions and mass.

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 3909, *Aerospace series — Test fluids and test methods for electrical and optical components and sub-assemblies*

EN 4708-001, *Aerospace series — Sleeving, heat-shrinkable, for binding, insulation and identification — Part 001: Technical specification*

EN ISO 846, *Plastics — Evaluation of the action of microorganisms* [1)]

EN ISO 1817, *Rubber, vulcanized or thermoplastic — Determination of the effect of liquids* [1)]

IEC 60684-1, *Flexible insulating sleeving — Part 1: Definitions and general requirements* [2)]

IEC 60684-2, *Flexible insulating sleeving — Part 2: Methods of test* [2)]

IEC 60757, *Code for designation of colours* [2)]

1) Published by: International Organization for Standardization (ISO), http://www.iso.org/

2) Published by: International Electrotechnical Commission (IEC), http://www.iec.ch/