SLOVENSKI STANDARD
SIST EN 4708-204:2024

01-februar-2024

Aeronavtika - Toplotno skrčljiva cev za utrjevanje, izolacijo in identifikacijo - 204. del: Z izboljšanimi identifikacijskimi protipožarnimi lastnostmi - Območje delovne temperature med –40 °C in 105 °C - Standard za proizvod

Aerospace series - Sleeving, heat-shrinkable, for binding, insulation and identification - Part 204: Limited fire hazard identification sleeves - Operating Temperature range -40 °C to 105 °C - Product standard

Luft- und Raumfahrt - Wärmeschrumpfender Schlauch zur Identifizierung - Teil 204: Identifikation-Hülse begrenzt Brandverhalten - Temperaturbereich -40 °C und 105 °C - Produktnormen

Série aérospatiale - Manchons thermorétractables, de jonction, isolement et identification - Partie 204 : Manchons d'identification à risque d'incendie limité - Températures d'utilisation -40 °C à 105 °C - Norme de produit

Ta slovenski standard je istoveten z: **EN 4708-204:2023**

ICS:

49.025.40	Guma in polimerni materiali	Rubber and plastics
49.060	Letalska in vesoljska električna oprema in sistemi	Aerospace electric equipment and systems

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English Version

Aerospace series - Sleeving, heat-shrinkable, for binding, insulation and identification - Part 204: Limited fire hazard identification sleeves - Operating Temperature range -40 °C to 105 °C - Product standard

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (EN 4708-204:2023) 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 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 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2024, and conflicting national standards shall be withdrawn at the latest by June 2024.

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1 Scope

This document specifies the required characteristics for heat-shrinkable limited fire hazard identification sleeves for use in aircraft electrical systems at operating temperatures between −40 °C and 105 °C.

This document is only applicable for the characterization of identification sleeves. This sleeving is flexible, flame retarded and emits minimum smoke, gases and corrosive by-products when exposed to fire. This sleeving is only applicable for use in areas where smoke, gases or corrosive by-products would constitute a particular hazard.

It is available with a shrink ratio of 2 : 1.

The product is normally supplied with internal diameters up to 51 mm.

The standard colours are white or yellow.

Sizes or colours other than those specifically listed in this document can be available. These items are considered to comply with this document if they comply with the property requirements listed in Table 2 and Table 3, except for dimensions and mass.

As the sleeving to be tested is a printed article, the complete system is to be recorded as part of the evaluation. The sleeve will only be considered as meeting the requirements of this document if printed with the printer, ribbon, inks and settings referenced within the test report.

Mark adherence and print permanence are determined in this specification using method EN 6059-407.

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 3909:2016, *Aerospace series — Test fluids and test methods for electrical and optical components and sub-assemblies*

EN 4708-001:2019, *Aerospace series — Sleeving, heat-shrinkable, for binding, insulation and identification — Part 001: Technical specification*

EN 6059-402, *Aerospace series — Electrical cables, installation — Protection sleeves — Test methods — Part 402: Bending properties*

EN 6059-407:2019, *Aerospace series — Electrical cables, installation — Protection sleeves — Test methods — Part 407: Mark adherence and print permanence*

EN 60684-1, *Flexible insulating sleeving — Part 1: Definitions and general requirements*

EN 60684-2:2011, *Flexible insulating sleeving — Part 2: Methods of test*

EN IEC 60757, *Code for designation of colours*

ISO 846:2019, *Plastics — Evaluation of the action of microorganisms*

ISO 1817:2022, *Rubber, vulcanized or thermoplastic — Determination of the effect of liquids*