STN

Letectvo a kozmonautika Teplom zmraštiteľné rúrky na viazanie, izoláciu a identifikáciu

Časť 108: Rúrky s obmedzeným požiarnym nebezpečenstvom pre prevádzkové teploty od -65 °C do 150 °C Norma na výrobok STN EN 4708-108

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Aerospace series - Sleeving, heat-shrinkable, for binding, insulation and identification - Part 108: Limited fire hazard sleeving - Operating temperatures - 65 C to 150 C - Product standard

Táto norma obsahuje anglickú verziu európskej normy. This standard includes the English version of the European Standard.

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Luft- und Raumfahrt - Wärmeschrumpfender Schlauch zur Befestigung, Isolierung und Identifizierung - Teil 108: Begrenzte Brandgefahr - Temperaturbereich - 65 °C und 150 °C - Produktnorm

This European Standard was approved by CEN on 14 July 2019.

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

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European foreword

This document (EN 4708-108:2019) 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of an identical text or by endorsement, at the latest by March 2020, and conflicting national standards shall be withdrawn at the latest by March 2020.

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 four types of heat-shrinkable limited fire hazard sleevings for use in aircraft electrical systems at operating temperatures between -65 °C and 150 °C.

This sleeving is flexible, flame retarded and emits minimum smoke, gases and corrosive by-products when exposed to fire. It is available with various wall thicknesses and also in a higher shrink ratio according to the application and degree of mechanical protection required. It is suitable for use (e.g. as cable protection) in areas where smoke, gases or corrosive by-products would constitute a particular hazard.

Type A: Medium wall, shrink ratio 2:1 and is normally supplied with internal diameters up to 30 mm.

The standard colour is black.

Sizes or colours other than those specifically listed in this document may be available. These items shall be considered to comply with this document if they comply with the property requirements listed in Table 2 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 specification¹)

EN 60684-1, Flexible insulating sleeving — Part 1: Definitions and general requirements (IEC 60684-1)

EN 60684-2, Flexible insulating sleeving — Part 2: Methods of test (IEC 60684-2)

IEC 60757, Code for designation of colours 2)

EN ISO 846, Plastics — Evaluation of the action of micro-organisms (ISO 846)

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

MIL-PRF-87937, Performance specification: Cleaning compound, aerospace equipment 3)

AMS 1428, Fluid, Aircraft Deicing/Anti-Icing, Non Newtonian (Pseudoplastic), SAE Types II, III, and IV⁴)

AMS 1476, Deodorant, aircraft toilet⁴⁾

ASTM D740, Standard Specification for Methyl Ethyl Ketone

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

¹⁾ Published as ASD-STAN Prestandard at the date of publication of this standard by AeroSpace and Defence industries Association of Europe — Standardization (ASD-STAN), http://www.asd-stan.org/

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

³⁾ Published by: Department of Defense (DoD). http://www.defenselink.mil/

⁴⁾ Published by: SAE National (US) Society of Automotive Engineers. http://www.sae.org/