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

Časť 105: Polopružný polyvinylidén fluoridu (PVDF) pre prevádzkové teploty od -55 °C do 150 °C Časť 105: Polopružný polyvinylidén fluoridu Norma na výrobok

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Aerospace series - Sleeving, heat-shrinkable, for binding, insulation and identification - Part 105: Semi-flexible polyvinylidene fluoride (PVDF) - Temperature range 55 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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This European Standard was approved by CEN on 14 January 2019.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN 4708-105:2019) 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of an identical text or by endorsement, at the latest by March 2020, and conflicting national standards shall be withdrawn at the latest by March 2020.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.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This document specifies the required characteristics for a heat-shrinkable, semi-flexible polyvinylidene sleeving for use in aircraft electrical systems at operating temperatures between $-55\,^{\circ}\text{C}$ and $150\,^{\circ}\text{C}$. This sleeving is basically transparent, but may be tinted. It is semi-flexible tough and abrasion resistant, and is suitable for use where strain relief and mechanical protection are required, or where their transparent properties are desirable.

It is not suitable for use where contamination from phosphate ester based hydraulic fluid is possible.

These sleevings are normally supplied with internal diameters up to 25,4 mm for shrink ratios of 2:1.

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

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

IEC 60684-2, Flexible insulating sleeving — Part 2: Methods of test 1)

IEC 60757, Code for designation of colours 1)

ISO 846, Plastics — Evaluation of the action of micro-organisms 2)

ISO 1817, Rubber, vulcanized — Determination of the effect of liquids 2)

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

¹⁾ Published by: International Electrotechnical Commission (IEC), http://www.iec.ch/

²⁾ Published by: International Organization for Standardization (ISO), http://www.iso.ch/