

Aerospace series - Electrical cables, installation -
Self-wrapping shielding (EMI) protective sleeve - Part
003: Open sleeve - Inside pressurized area - EMI
protection 5 kA - Temperature range - 65 °C to 200 °C -
Product standard

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 4674-003:2015 sisaldab Euroopa standardi EN 4674-003:2015 ingliskeelset teksti.	This Estonian standard EVS-EN 4674-003:2015 consists of the English text of the European standard EN 4674-003:2015.
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.
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ICS 49.060

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English Version

**Aerospace series - Electrical cables, installation - Self-wrapping
shielding (EMI) protective sleeve - Part 003: Open sleeve -
Inside pressurized area - EMI protection 5 kA - Temperature
range - 65 °C to 200 °C - Product standard**

Série aérospatiale - Câbles électriques, installation - Gaine
de protection blindée (EMI) auto-fermable - Partie 003 :
Gaine ouverte - Usage interne - Protection EMI 5 kA -
Température d'utilisation - 65 °C à 200 °C - Norme de
produit

Luft- und Raumfahrt - Elektrische Leitungen, Installation -
Selbstschließend abschirmender (EMI) Schutzschlauch -
Teil 003: Offener Schutzschlauch - Innerhalb
druckbelüfteter Bereiche - EMI-Schutz 5 kA -
Temperaturbereich -65 °C bis 200 °C - Produktnorm

This European Standard was approved by CEN on 4 January 2014.

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COMITÉ EUROPÉEN DE NORMALISATION
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Foreword

This document (EN 4674-003:2015) 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of an identical text or by endorsement, at the latest by August 2015, and conflicting national standards shall be withdrawn at the latest by August 2015.

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1 Scope

This European Standard specifies the characteristics of flexible 5 kA self-wrapping shielding (EMI) protection sleeves, to be installed inside pressurized areas on electrical cables or cable bundles, made from nickel plated copper strands and PPS (polyphenylene sulfide) monofilament.

Temperature range: – 65 °C to 200 °C.

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 2591-214, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 214: Lightning strike, current and voltage pulse*

EN 2591-307, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 307: Salt mist*

EN 2825, *Aerospace series — Burning behaviour of non metallic materials under the influence of radiating heat and flames — Determination of smoke density*

EN 2826, *Aerospace series — Burning behaviour of non metallic materials under the influence of radiating heat and flames — Determination of gas components in the smoke*

EN 3475, *Aerospace series — Cables, electrical, aircraft use — Test methods* ¹⁾

EN 3844-1, *Aerospace series — Flammability of non metallic materials — Part 1: Small burner test, vertical — Determination of the vertical flame propagation*

EN 4674-001, *Aerospace series — Electrical cables, installation — Self-wrapping shielding (EMI) protective sleeve — Part 001: Technical specification*

EN 4674-002, *Aerospace series — Electrical cables, installation — Self-wrapping shielding (EMI) protective sleeve — Part 002: General and list of product standard*

EN 6059, *Aerospace series — Electrical cables, installation — Protection sleeves — Test methods* ¹⁾

ISO 4892-3, *Plastics — Methods of exposure to laboratory light sources — Part 3: Fluorescent UV lamps*

IEC 62153-4-3, *Metallic communication cable test methods — Part 4-3: Electromagnetic compatibility (EMC) — Surface transfer impedance — Triaxial method* ²⁾

ASTM D4894, *Standard Specification for Polytetrafluoroethylene (PTFE) Granular Molding* ³⁾

1) All its parts quoted in Table 5.

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

3) Published by: ASTM National (US) American Society for Testing and Materials. <http://www.astm.org/>