BS EN 4674-001:2015

BSI Standards Publication

Aerospace series — Electrical cables, installation — Self-wrapping shielding (EMI) protective sleeve

Part 001: Technical specification

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National foreword

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A list of organizations represented on this committee can be obtained on request to its secretary.

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Luft- und Raumfahrt - Elektrische Leitungen, Installation - Selbstschließender abschirmender (EMI) Schutzschlauch - Teil 001: Technische Lieferbedingungen

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Foreword

This document (EN 4674-001:2015) 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of an identical text or by endorsement, at the latest by August 2015, and conflicting national standards shall be withdrawn at the latest by August 2015.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 general characteristics, qualification and acceptance requirements for self-wrapping shielding (EMI) protective sleeve designed for EMI shielding of cable and cable bundles for aerospace applications.

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 2267-010, *Aerospace series — Cables, electrical, for general purpose — Operating temperatures between − 55 °C and 260 °C — Part 010: DR family, single UV laser printable — Product standard*

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 3197, *Aerospace series — Design and installation of aircraft electrical and optical interconnection systems*

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

EN 4674-003, *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*

EN 4674-004, *Aerospace series — Electrical cables, installation — Self-wrapping shielding (EMI) protective sleeve — Part 004: Open sleeve – External use – EMI protection 10 kA — Temperature range – 65 °C to 200 °C — Product standard*

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

EN 9133, *Aerospace series — Quality management systems — Qualification procedure for aerospace standard parts*

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1) All its parts quoted in this standard.

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