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Aerospace series - Cable, electrical, for signal transmission - Part 001: Technical specification

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English Version

Aerospace series - Cable, electrical, for signal transmission - Part 001: Technical specification

Série aérospatiale - Câbles électriques pour transmission
de signaux - Partie 001 : Spécification technique

Luft- und Raumfahrt - Elektrische Leitungen für
Signalübertragungen - Teil 001: Technische
Lieferbedingungen

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Foreword

This document (EN 4604-001:2009) 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of an identical text or by endorsement, at the latest by October 2009 and conflicting national standards shall be withdrawn at the latest by October 2009.

This document supersedes EN 4604-001:2006.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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1 Scope

This standard specifies the required characteristics, test methods, qualification and acceptance conditions of signal transmission electrical cables.

2 Normative references

The following referenced documents are indispensable for the application 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 3475-100*, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 100: General.*

EN 3838, *Aerospace series — Requirements and tests on user-applied markings on aircraft electrical cables.* ¹⁾

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

ISO 2574, *Aircraft — Electrical cables — Identification marking.*

TR 6058, *Aerospace series — Cable code and identification list.* ²⁾

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 3475-100 apply.

4 Materials and construction of cables

4.1 General

The composition, dimensions and mass of the cable shall conform to the characteristics below, as well as the values specified in the product standards.

4.2 Conductor

4.2.1 Material

See product standards.

4.2.2 Construction

See product standards, conductor shall not be spliced.

* And all parts quoted in Table 1.

1) In preparation at the date of publication of this standard.

2) Published as ASD Technical Report at the date of publication of this standard.