



**NSAI**  
Standards

Irish Standard  
I.S. EN 4681-002:2012

# Aerospace series - Cables, electric, general purpose, with conductors in aluminium or copper-clad aluminium - Part 002: General

## I.S. EN 4681-002:2012

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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English Version

**Aerospace series - Cables, electric, general purpose, with  
conductors in aluminium or copper-clad aluminium - Part 002:  
General**

Série aérospatiale - Câbles électriques, d'usage général,  
avec conducteurs en aluminium ou en aluminium chemisé  
cuivre - Partie 002: Généralités

Luft- und Raumfahrt - Elektrische Leitungen, zur  
allgemeinen Verwendung, mit Leitern aus Aluminium oder  
kupferbeschichtetem Aluminium - Teil 002: Allgemeines

This European Standard was approved by CEN on 25 February 2012.

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## **Foreword**

This document (EN 4681-002:2012) 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of an identical text or by endorsement, at the latest by April 2013, and conflicting national standards shall be withdrawn at the latest by April 2013.

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 European Standard specifies the list of product standards and common characteristics of electrical cables for general purpose with conductors in aluminium or copper-clad aluminium, intended for installation in aircraft electrical systems.

## 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 3719, *Aerospace series — Aluminium or aluminium alloy conductors for electrical cables — Product standard*

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

EN 4651, *Aerospace series — Copper-clad aluminium alloy conductors for electrical cables — Product standard*<sup>1)</sup>

EN 4681-001, *Aerospace series — Cables, electric, general purpose, with conductors in aluminium or copper-clad aluminium — Part 001: Technical specification*

EN 4681-003, *Aerospace series — Cables, electric, general purpose, with conductors in aluminium or copper-clad aluminium — Part 003: AD family, single UV laser printable — Product standard*<sup>2)</sup>

EN 4681-004, *Aerospace series — Cables, electric, general purpose, with conductors in aluminium or copper-clad aluminium — Part 004: ADA family, single and multicore assembly — Product standard*<sup>2)</sup>

EN 4681-005, *Aerospace series — Cables, electric, general purpose, with conductors in aluminium or copper-clad aluminium — Part 005: AZ family, single UV laser printable for use in low pressure atmosphere — Product standard*<sup>2)</sup>

EN 4681-006, *Aerospace series — Cables, electric, general purpose, with conductors in aluminium or copper-clad aluminium — Part 006: AZA family, single and multicore assembly for use in low pressure atmosphere — Product standard*<sup>2)</sup>

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

TR 4684, *Aerospace series — Electrical Technology and component definition*<sup>2)</sup>

TR 6058, *Aerospace series — Cable code identification list*<sup>3)</sup>

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1) Published as ASD-STAN Prestandard at the date of publication of this standard ([www.asd-stan.org](http://www.asd-stan.org)).

2) In study at the date of publication of this standard.

3) Published as ASD-STAN Technical Report at the date of publication of this standard ([www.asd-stan.org](http://www.asd-stan.org)).

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