

Nederlandse norm

NEN-EN 4681-006

(en)

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

ICS 49.060; 49.080

augustus 2015

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ICS 49.060

English Version

**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**

Série aérospatiale - Câbles, électriques, d'usage général, avec conducteurs en aluminium ou en aluminium chemisé cuivre - Partie 006: Famille AZA, fil simple et éléments assemblés, pour emploi en basse pression - Norme de produit

Luft- und Raumfahrt - Elektrische Leitungen, zur allgemeinen Verwendung, mit Leitern aus Aluminium oder kupferbeschichtetem Aluminium - Teil 006: AZA-Familie, ein- und mehradrige Leitungen, zur Anwendung bei niedrigem Luftdruck - Produktnorm

This European Standard was approved by CEN on 7 February 2015.

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European foreword

This document (EN 4681-006:2015) 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 European 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of an identical text or by endorsement, at the latest by January 2016, and conflicting national standards shall be withdrawn at the latest by January 2016.

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EN 4681-006:2015 (E)**1 Scope**

This European standard specifies the characteristics of electrical wires AZA family for use in the on board:

- 115 V (phase to neutral) or 200 V (phase to phase) electrical network of aircraft.
- 230 V (phase to neutral) or 400 V (phase to phase) electrical network of aircraft and particularly use in non-pressurized areas.

This cable family is used at operating temperature between -65 °C and 180 °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 3475-100¹⁾, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 100: General*

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

EN 4681-002, *Aerospace series — Cables, electric, general purpose, with conductors in aluminium or copper-clad aluminium — Part 002: General*

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

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

3 Terms, definitions and symbols

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

¹⁾ All its parts quoted in this European Standard.

²⁾ Published as ASD-STAN Technical Report at the date of publication of this European Standard (<http://www.asd-stan.org/>).

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