



NSAI
Standards

Irish Standard
I.S. EN 2854-002:2009

Aerospace series - Cables, electrical for
general purpose - Cross sections equal
to and greater than 9 mm² - Operating
temperatures between - 55 °C and 260 °
C - Part 002: General

I.S. EN 2854-002:2009

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English Version

**Aerospace series - Cables, electrical for general purpose -
Cross sections equal to and greater than 9 mm² - Operating
temperatures between - 55 °C and 260 °C - Part 002: General**

Série aérospatiale - Câbles électriques d'usage général -
Sections supérieures ou égales à 9 mm² - Températures
de fonctionnement comprises entre - 55 °C et 260 °C -
Partie 002: Généralités

Luft- und Raumfahrt - Elektrische Leitungen für allgemeine
Verwendung - Querschnitte 9 mm² und größer -
Betriebstemperaturen zwischen - 55 °C und 260 °C - Teil
002: Allgemeines

This European Standard was approved by CEN on 4 July 2008.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

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Foreword

This document (EN 2854-002:2009) 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of an identical text or by endorsement, at the latest by January 2010, and conflicting national standards shall be withdrawn at the latest by January 2010.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

This standard specifies the list of product standards and common characteristics of electrical cables for use in the on-board electrical systems of aircraft at operating temperatures between $-55\text{ }^{\circ}\text{C}$ and $260\text{ }^{\circ}\text{C}$ (except otherwise specified in product standards) for cross sections equal to and greater than 9 mm^2 .

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 2083, *Aerospace series — Copper or copper alloys conductors for electrical cables — Product standard*

EN 2084, *Aerospace series — Cables, electric, single-core, general purpose, with conductors in copper or copper alloy — Technical specification*

EN 2854-003, *Aerospace series — Cables, electrical for general purpose — Cross sections equal to and greater than 9 mm^2 — Operating temperatures between $-55\text{ }^{\circ}\text{C}$ and $260\text{ }^{\circ}\text{C}$ — Part 003: Product standard*

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⁾

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

3 Terms and definitions

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

4 List of product standards

EN 2854-003, *Aerospace series — Cables, electrical for general purpose — Cross sections equal to and greater than 9 mm^2 — Operating temperatures between $-55\text{ }^{\circ}\text{C}$ and $260\text{ }^{\circ}\text{C}$ — Part 003: Product standard.*

5 Materials and construction

5.1 Materials

These cable conductors shall be made of nickel-plated copper according to EN 2083 code D (except otherwise specified in product standards).

¹⁾ Published as ASD Prestandard at the date of publication of this standard.

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

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