



NSAI
Standards

Irish Standard
I.S. EN 4611-005:2012

Aerospace series - Cables, electrical, for general purpose, single and multicore assembly - XLETFE Family - Part 005: Silver plated copper - Operating temperatures, between -65 °C and 150 °C - Single extruded wall for enclosed applications - UV laser printable - Product standard

I.S. EN 4611-005:2012

Incorporating amendments/corrigenda/National Annexes issued since publication:

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SWIFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

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English Version

**Aerospace series - Cables, electrical, for general purpose,
single and multicore assembly - XLETFE Family - Part 005:
Silver plated copper - Operating temperatures, between -65 °C
and 150 °C - Single extruded wall for enclosed applications - UV
laser printable - Product standard**

Série aérospatiale - Câbles, électriques, d'usage général,
mono et multiconducteurs - Famille XLETFE - Partie 005 :
Cuivre argenté - Températures de fonctionnement
comprises entre -65 °C et 150 °C - Fil simple isolé pour
applications internes - Marquable au laser UV - Norme de
produit

Luft- und Raumfahrt - Ein- und mehradrige elektrische
Leitungen zur allgemeinen Verwendung, XLETFE-Familie -
Teil 005: Kupfer versilbert, Betriebstemperaturen zwischen
-65 °C und 150 °C, einfach extrudierte Isolierung für
umschlossene Anwendungen, UV-Laser bedruckbar -
Produktnorm

This European Standard was approved by CEN on 17 September 2011.

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-CENELEC 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-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, 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, Turkey and United Kingdom.



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Foreword

This document (EN 4611-005:2012) 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 August 2012, and conflicting national standards shall be withdrawn at the latest by August 2012.

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 characteristics of UV laser printable, silver plated copper conductor, electrical cables Crosslinked Ethylene Tetra Fluoro Ethylene co-polymer XLETFE family for use in the on-board electrical systems of aircraft at operating temperatures between $-65\text{ }^{\circ}\text{C}$ and $150\text{ }^{\circ}\text{C}$, operating at voltages not exceeding 600 V r.m.s and frequencies not exceeding 2 000 Hz. These cables are for enclosed applications e.g. within equipment or conduit; they are only suitable for open airframe use when provided with additional protection against mechanical abuse. In case of conflict between this European Standard and other referenced documents this European Standard should take precedence.

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 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 2235, *Aerospace series – Single and multicore electrical cables, screened and jacketed*

EN 3475-100¹, *Aerospace series – Cables, electrical, aircraft use – Test methods – Part 100: General*

EN 4611-002, *Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Part 002: General*

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

3 Terms, definitions, symbols and abbreviations

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

¹ And all its parts.

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