



**NSAI**  
Standards

Irish Standard  
I.S. EN 4611-007:2012

Aerospace series - Cables, electrical, for general purpose, single and multicore assembly - XLETFE Family - Part 007:  
Nickel plated copper - Operating temperatures, between -65 °C and 150 °C  
- Dual extruded wall for open applications  
- UV laser printable - Product standard

## I.S. EN 4611-007:2012

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English Version

**Aerospace series - Cables, electrical, for general purpose,  
single and multicore assembly - XLETFE Family - Part 007:  
Nickel plated copper - Operating temperatures, between -65 °C  
and 150 °C - Dual extruded wall for open applications - UV laser  
printable - Product standard**

Série aérospatiale - Câbles, électriques, d'usage général,  
mono et multiconducteurs - Famille XLETFE - Partie 007 :  
Cuivre nickelé - Températures de fonctionnement  
comprises entre -65 °C et 150 °C - Fil double isolé pour  
applications externes - Marquable au laser UV - Norme de  
produit

Luft- und Raumfahrt - Ein- und mehradrige elektrische  
Leitungen zur allgemeinen Verwendung, XLETFE-Familie -  
Teil 007: Kupfer vernickelt, Betriebstemperaturen zwischen  
-65 °C und 150 °C, doppelt extrudierte Isolierung für offene  
Anwendungen, UV-Laser bedruckbar - Produktnorm

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

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## **Foreword**

This document (EN 4611-007:2012) 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of an identical text or by endorsement, at the latest by August 2012, and conflicting national standards shall be withdrawn at the latest by August 2012.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, nickel 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 °C and 150 °C, operating at voltages not exceeding 600 V r.m.s and frequencies not exceeding 2 000 Hz. These cables are suitable for airframe use without additional protection. In case of conflict between this European Standard and other referenced documents the requirements of 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 3475-100<sup>1</sup>, *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.

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<sup>1</sup> And all its parts

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