



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

Incorporating amendments/corrigenda/National Annexes issued since publication:

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation - recommendation based on the consensus of an expert panel and subject to public consultation.

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

This document replaces:

This document is based on:
EN 4611-007:2012

Published:
24 February, 2012

This document was published under the authority of the NSAI and comes into effect on:
24 February, 2012

ICS number:

49.060

NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

ICS 49.060

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.

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.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents		Page
Foreword		3
1	Scope	4
2	Normative references	4
3	Terms, definitions, symbols and abbreviations	4
4	Materials and construction	5
4.1	Materials	5
4.2	Construction	5
4.3	Number of cores	6
4.4	Colour coding of cores	6
5	Required characteristics	6
6	Quality assurance	10
7	Designation	10
8	Identification and marking	10
9	Packaging, labelling and delivery lengths	10
10	Technical specification	10

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.

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, 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 the United Kingdom.

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 3475-100¹, *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

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-