



BSI Standards Publication

# **Aerospace series — Cables, electrical, for general purpose, single and multicore assembly XLETFE Family jacketed or screened and jacketed**

Part 008: Silver plated copper — Operating temperatures, between — 65 °C and 150 °C — Single extruded wall for applications, with jacket and screen (braid) - UV laser printable - Product standard

**National foreword**

This British Standard is the UK implementation of EN 4612-008:2011.

The UK participation in its preparation was entrusted to Technical Committee ACE/6, Aerospace avionic electrical and fibre optic technology.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© BSI 2011

ISBN 978 0 580 75531 6

ICS 49.060

**Compliance with a British Standard cannot confer immunity from legal obligations.**

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 October 2011.

**Amendments issued since publication**

| Date | Text affected |
|------|---------------|
|------|---------------|

---

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 4612-008**

October 2011

ICS 49.060

English Version

**Aerospace series - Cables, electrical, for general purpose, single and multicore assembly XLETFE Family jacketed or screened and jacketed - Part 008: Silver plated copper - Operating temperatures, between - 65 °C and 150 °C - single extruded wall for open applications, with jacket and screen (braid) - UV laser printable - Product standard**

Série aéronautique - Câbles, électriques, d'usage général, mono et multiconducteurs - Famille XLETFE - Gainés ou blindés et gainés - Partie 008: Cuivre argenté - Températures de fonctionnement comprises entre - 65 °C et 150 °C - Fil simple isolé pour applications externes, gainé et blindé (tressé) - Marquable au laser UV - Norme de produit

Luft- und Raumfahrt - Ein- und mehradrige elektrische Leitungen für allgemeine Verwendung - XLETFE Familie - Mit Mantel oder geschirmt und Mantel - Teil 008: Kupfer versilbert - Betriebstemperaturen zwischen - 65 °C und 150 °C - Einfach extrudierte Isolierung für externe Verwendung, mit Mantel und Schirm (Geflecht) - UV-Laser bedruckbar - Produktnorm

This European Standard was approved by CEN on 20 August 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 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 and symbols .....                               | 4  |
| 4 Materials and construction .....                                   | 5  |
| 5 Required characteristics .....                                     | 7  |
| 6 Quality assurance .....                                            | 10 |
| 7 Designation .....                                                  | 11 |
| 8 Identification and marking .....                                   | 11 |
| 9 Packaging, labelling and delivery lengths .....                    | 11 |
| 10 Technical specification .....                                     | 11 |
| Annex A (normative) Formulae for calculating braid details.....      | 12 |
| A.1 The filling factor $K_f$ is given by the following formula ..... | 12 |
| A.2 Lay factor .....                                                 | 12 |
| A.3 Coverage.....                                                    | 12 |

## Foreword

This document (EN 4612-008:2011) 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 April 2012, and conflicting national standards shall be withdrawn at the latest by April 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 and the United Kingdom.