Aerospace series - Cables, electrical, single and multicore for general purpose - Operating temperatures between - 55 °C and 260 °C - Part 014: DR family, 5 to 10 cores, taped, screened (braided) and jacketed, UV laser printable - Product standard

EESTI STANDARDIKESKUS
ESTONIAN CENTRE FOR STANDARDISATION

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 2714-014:2010 sisaldab Euroopa standardi EN 2714-014:2009 ingliskeelset teksti.	This Estonian standard EVS-EN 2714-014:2010 consists of the English text of the European standard EN 2714-014:2009.
Standard on kinnitatud Eesti Standardikeskuse 28.02.2010 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.	This standard is ratified with the order of Estonian Centre for Standardisation dated 28.02.2010 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.
Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 04.11.2009.	Date of Availability of the European standard text 04.11.2009.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

ICS 49.060

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 2714-014

November 2009

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English Version

Aerospace series - Cables, electrical, single and multicore for general purpose - Operating temperatures between - 55 °C and 260 °C - Part 014: DR family, 5 to 10 cores, taped, screened (braided) and jacketed, UV laser printable - Product standard

Série aérospatiale - Câbles, électriques, mono et multiconducteurs d'usage général - Températures de fonctionnement comprises entre - 55°C et 260 °C - Partie 014: Famille DR, de 5 à 10 conducteurs, enrubannés, blindés (tressés) et gainés, marquables au laser UV - Norme de produit

Luft- und Raumfahrt - Leitungen, elektrisch, ein- und mehradrig, für allgemeine Verwendung - Betriebstemperaturen zwischen - 55 °C und 260 °C - Teil 014: DR-Familie, 5 bis 10 Adern, umwickelt, geschirmt (Umflechtung) und ummantelt, UV-Laser bedruckbar - Produktnorm

This European Standard was approved by CEN on 3 October 2009.

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.

CEN members are the national standards bodies of 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.

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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Ref. No. EN 2714-014:2009: E

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Foreword

This document (EN 2714-014:2009) 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 May 2010, and conflicting national standards shall be withdrawn at the latest by May 2010.

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, 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.

1 Scope

This European Standard specifies the characteristics of UV laser printable DR family, 5 to 10 cores, taped, screened (braided) and jacketed electrical lightweight cables for use in the on-board electrical systems of aircraft, at operating temperatures between - 55 °C and 260 °C. Nevertheless, if needed, - 65 °C is also acceptable as shown by cold test.

It shall also be possible to mark these cables by qualified compatible marking.

These markings shall satisfy the requirements of EN 3838.

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 2235:2006, *Aerospace series — Single and multicore electrical cables, screened and jacketed*

EN 2267-009, *Aerospace series — Cables, electrical, for general purpose — Operating temperatures between - 55 °C and 260 °C — Part 009: DRA family, single and multicore assembly — Product standard*

EN 2714-002:2005, *Aerospace series — Cables, electrical, single and multicore for general purpose — Operating temperatures between - 55 °C and 260 °C — Part 002: Screened and jacketed — General*

EN 2714-013, *Aerospace series — Cables, electrical, single and multicore for general purpose — Operating temperatures between - 55 °C and 260 °C — Part 013: DR family, screened (spiral) and jacketed, UV laser printable — Product standard*

EN 3475-100:2002[1)], *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*[2)]
EN 4434, *Aerospace series — Copper or copper alloy lightweight conductors for electrical cables — Product standard (Normal and tight tolerances)*

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

TR 6058, *Aerospace series — Cable code identification list* [3)]

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 3475-100:2002 apply.

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1) And all parts of EN 3475 quoted in Table 2.

2) Published as ASD-STAN Prestandard at the date of publication of this standard.

3) Published as ASD-STAN Technical Report at the date of publication of this standard.