

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

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

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 2714-013:2005 sisaldab Euroopa standardi EN 2714-013:2005 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 28.12.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 2714-013:2005 consists of the English text of the European standard EN 2714-013:2005.</p> <p>This document is endorsed on 28.12.2005 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This standard specifies the characteristics of UV laser printable DR family, single and multicore screened (spiral) 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.</p>	<p>Scope:</p> <p>This standard specifies the characteristics of UV laser printable DR family, single and multicore screened (spiral) 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.</p>
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ICS 49.060

Võtmesõnad:

ICS 49.060

English Version

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

Série aérospatiale - Câbles, électriques, mono et
multiconducteurs d'usage général - Températures de
fonctionnement comprises entre - 55 °C et 260 °C - Partie
013 : Famille DR, blindés (guipés) et gainés, marquable 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
013: DR-Familie, geschirmt (Umseilung) und ummantelt UV
Laser bedruckbar - Produktnorm

This European Standard was approved by CEN on 12 September 2005.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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Foreword

This European Standard (EN 2714-013:2005) has been prepared by the European Association of Aerospace Manufacturers - Standardization (AECMA-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 AECMA, 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 2006, and conflicting national standards shall be withdrawn at the latest by April 2006.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This standard specifies the characteristics of UV laser printable DR family, single and multicore screened (spiral) 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, *Aerospace series – Single and multicore electrical cables, screened and jacketed – Technical specification.* ¹⁾

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.* ¹⁾

EN 2267-010, *Aerospace series – Cables, electrical, for general purpose – Operating temperatures between – 55 °C and 260 °C – Part 010: DR family, single UV laser printable – Product standard* ¹⁾

EN 2714-002, *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 3475-100*, *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.* ¹⁾

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.* ²⁾

3 Terms, definitions and symbols

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

* And all its parts quoted in Table 2.

1) Published as AECMA Prestandard at the date of publication of this standard.

2) Published as AECMA Technical Report at the date of publication of this standard.