

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

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN 2714-002:2012 sisaldab Euroopa standardi EN 2714-002:2012 ingliskeelset teksti.	This Estonian standard EVS-EN 2714-002:2012 consists of the English text of the European standard EN 2714-002:2012.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 10.10.2012.	Date of Availability of the European standard is 10.10.2012.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile [standardiosakond@evs.ee](mailto:standardiosakond@evs.ee).

ICS 49.060

### Standardite reprodutseerimise ja levitamise õigus kuulub Eesti Standardikeskusele

Andmete paljundamine, taastekitamine, kopeerimine, salvestamine elektroonsesse süsteemi või edastamine ükskõik millises vormis või millisel teel ilma Eesti Standardikeskuse kirjaliku loata on keelatud.

Kui Teil on küsimusi standardite autorikaitse kohta, võtke palun ühendust Eesti Standardikeskusega:  
Aru 10, 10317 Tallinn, Eesti; [www.evs.ee](http://www.evs.ee); telefon 605 5050; e-post [info@evs.ee](mailto:info@evs.ee)

### The right to reproduce and distribute standards belongs to the Estonian Centre for Standardisation

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, without a written permission from the Estonian Centre for Standardisation.

If you have any questions about copyright, please contact Estonian Centre for Standardisation:  
Aru 10, 10317 Tallinn, Estonia; [www.evs.ee](http://www.evs.ee); phone 605 5050; e-mail [info@evs.ee](mailto:info@evs.ee)

English Version

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

Série aérospatiale - Câbles, électriques, mono et  
multiconducteurs d'usage général - Températures de  
fonctionnement comprises entre - 55 °C et 260 °C - Partie  
002: Blindés et gainés - Généralités

Luft- und Raumfahrt - Leitungen, elektrisch, ein- und  
mehradrig, für allgemeine Verwendung -  
Betriebstemperaturen zwischen - 55 °C und 260 °C - Teil  
002: Geschirmt und ummantelt - Allgemeines

This European Standard was approved by CEN on 25 February 2012.

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, Former Yugoslav Republic of Macedonia, 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**

<b>Contents</b>		<b>Page</b>
<b>Foreword</b> .....		<b>3</b>
<b>1</b>	<b>Scope</b> .....	<b>4</b>
<b>2</b>	<b>Normative references</b> .....	<b>4</b>
<b>3</b>	<b>Terms, definitions and symbols</b> .....	<b>5</b>
<b>4</b>	<b>List of product standards</b> .....	<b>5</b>
<b>5</b>	<b>Construction</b> .....	<b>6</b>
<b>6</b>	<b>Identification and marking</b> .....	<b>11</b>
<b>7</b>	<b>Technical specification</b> .....	<b>12</b>

## Foreword

This document (EN 2714-002:2012) 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 April 2013, and conflicting national standards shall be withdrawn at the latest by April 2013.

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.

This document supersedes EN 2714-002:2005.

According to the CEN/CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, 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 list of product standards and common characteristics of single and multicore screened and jacketed electrical cables for use in the on-board electrical systems of aircraft, at operating temperatures between – 55 °C and 260 °C (unless otherwise specified in product standards).

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

EN 2714-003, *Aerospace series — Cables, electrical, single and multicore for general purpose — Operating temperatures between – 55 °C and 260 °C — Part 003: Screened (spiral) and jacketed, ink jet printable — Product standard*

EN 2714-004, *Aerospace series — Cables, electrical, single and multicore for general purpose — Operating temperatures between – 55 °C and 260 °C — Part 004: Screened (braided) and jacketed, ink jet printable — Product standard*

EN 2714-005, *Aerospace series — Cables, electrical, single and multicore for general purpose — Operating temperatures between – 55 °C and 260 °C — Part 005: Screened (spiral) and jacketed, CO<sub>2</sub> laser printable — Product standard*

EN 2714-006, *Aerospace series — Cables, electrical, single and multicore for general purpose — Operating temperatures between – 55 °C and 260 °C — Part 006: Screened (braided) and jacketed, CO<sub>2</sub> laser printable — Product standard*

EN 2714-007, *Aerospace series — Cables, electrical, single and multicore for general purpose — Operating temperatures between – 55 °C and 260 °C — Part 007: Screened (spiral) and jacketed, UV laser printable — Product standard*

EN 2714-008, *Aerospace series — Cables, electrical, single and multicore for general purpose — Operating temperatures between – 55 °C and 260 °C — Part 008: Screened (braided) and jacketed, UV laser printable — Product standard*

EN 2714-009, *Aerospace series — Cables, electrical, single and multicore for general purpose — Operating temperatures between – 55 °C and 260 °C — Part 009: Screened (spiral) and jacketed, YAG X3 laser printable — Product standard*

EN 2714-010, *Aerospace series — Cables, electrical, single and multicore for general purpose — Operating temperatures between – 55 °C and 260 °C — Part 010: Screened (braided) and jacketed, YAG X3 laser printable — Product standard*

EN 2714-011, *Aerospace series — Cables, electrical, single and multicore for general purpose — Operating temperatures between – 55 °C and 260 °C — Part 011: DM family, screened (spiral) and jacketed, UV laser printable — Product standard*

EN 2714-012, *Aerospace series — Cables, electrical, single and multicore for general purpose — Operating temperatures between – 55 °C and 260 °C — Part 012: DM family, screened (braided) and jacketed, UV laser printable — Product standard*

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 2714-014, *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*

EN 2714-015, *Aerospace series — Cables, electrical, single and multicore for general purpose — Operating temperatures between – 55 °C and 260 °C — Part 015: DZ family, screened (spiral) and jacketed, UV laser printable for use in low pressure atmosphere — Product standard* <sup>1)</sup>

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*

TR 6058, *Aerospace series — Cable code identification list* <sup>2)</sup>

### 3 Terms, definitions and symbols

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

### 4 List of product standards

EN 2714-003, *Aerospace series — Cables, electrical, single and multicore for general purpose — Operating temperatures between – 55 °C and 260 °C — Part 003: Screened (spiral) and jacketed, ink jet printable — Product standard*

EN 2714-004, *Aerospace series — Cables, electrical, single and multicore for general purpose — Operating temperatures between – 55 °C and 260 °C — Part 004: Screened (braided) and jacketed, ink jet printable — Product standard*

EN 2714-005, *Aerospace series — Cables, electrical, single and multicore for general purpose — Operating temperatures between – 55 °C and 260 °C — Part 005: Screened (spiral) and jacketed, CO<sub>2</sub> laser printable — Product standard*

EN 2714-006, *Aerospace series — Cables, electrical, single and multicore for general purpose — Operating temperatures between – 55 °C and 260 °C — Part 006: Screened (braided) and jacketed, CO<sub>2</sub> laser printable — Product standard*

EN 2714-007, *Aerospace series — Cables, electrical, single and multicore for general purpose — Operating temperatures between – 55 °C and 260 °C — Part 007: Screened (spiral) and jacketed, UV laser printable — Product standard*

EN 2714-008, *Aerospace series — Cables, electrical, single and multicore for general purpose — Operating temperatures between – 55 °C and 260 °C — Part 008: Screened (braided) and jacketed, UV laser printable — Product standard*

---

1) In preparation at the date of publication of this standard.

2) Published as ASD-STAN Technical Report at the date of publication of this standard ([www.asd-stan.org](http://www.asd-stan.org)).