

SLOVENSKI STANDARD

SIST EN 2714-002:2017

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Nadomešča:

SIST EN 2714-002:2014

Aeronavtika - Eno- ali večžilni električni kabli za splošno uporabo - Delovne temperature med –55 °C in 260 °C - 002. del: Oklopljeni in oplaščeni - Splošno

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

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

[SIST EN 2714-002:2017](https://standards.iteh.ai/catalog/standards/sist/bd5d0035-9874-4594-2019-148-26-1898/sist-en-2714-002-2017)

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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

Ta slovenski standard je istoveten z: EN 2714-002:2016

ICS:

49.060

Letalska in vesoljska
električna oprema in sistemi

Aerospace electric
equipment and systems

SIST EN 2714-002:2017

en,fr,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 2714-002

December 2016

ICS 49.060

Supersedes EN 2714-002:2012

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
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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 21 November 2016.

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

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European foreword

This document (EN 2714-002:2016) 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 June 2017, and conflicting national standards shall be withdrawn at the latest by June 2017.

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 2714-002:2012.

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, 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.

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EN 2714-002:2016 (E)

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 $-55\text{ }^{\circ}\text{C}$ and $260\text{ }^{\circ}\text{C}$ (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 — Technical specification*

EN 2714-003, *Aerospace series — Cables, electrical, single and multicore for general purpose — Operating temperatures between $-55\text{ }^{\circ}\text{C}$ and $260\text{ }^{\circ}\text{C}$ — 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 $-55\text{ }^{\circ}\text{C}$ and $260\text{ }^{\circ}\text{C}$ — 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 $-55\text{ }^{\circ}\text{C}$ and $260\text{ }^{\circ}\text{C}$ — Part 005: Screened (spiral) and jacketed, CO₂ laser printable — Product standard*

EN 2714-006, *Aerospace series — Cables, electrical, single and multicore for general purpose — Operating temperatures between $-55\text{ }^{\circ}\text{C}$ and $260\text{ }^{\circ}\text{C}$ — Part 006: Screened (braided) and jacketed, CO₂ laser printable — Product standard*

EN 2714-007, *Aerospace series — Cables, electrical, single and multicore for general purpose — Operating temperatures between $-55\text{ }^{\circ}\text{C}$ and $260\text{ }^{\circ}\text{C}$ — 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 $-55\text{ }^{\circ}\text{C}$ and $260\text{ }^{\circ}\text{C}$ — 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 $-55\text{ }^{\circ}\text{C}$ and $260\text{ }^{\circ}\text{C}$ — 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 $-55\text{ }^{\circ}\text{C}$ and $260\text{ }^{\circ}\text{C}$ — 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 $-55\text{ }^{\circ}\text{C}$ and $260\text{ }^{\circ}\text{C}$ — 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, 4 to 11 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*¹⁾

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*²⁾

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, CO₂ 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, CO₂ laser printable — Product standard*

¹⁾ In preparation at the date of publication of this European Standard.

²⁾ Published as ASD-STAN Technical Report at the date of publication of this European Standard.
(<http://www.asd-stan.org/>)

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EN 2714-007, Aerospace series — Cables, electrical, single and multicore for general purpose — Operating temperatures between $-55\text{ }^{\circ}\text{C}$ and $260\text{ }^{\circ}\text{C}$ — 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 $-55\text{ }^{\circ}\text{C}$ and $260\text{ }^{\circ}\text{C}$ — 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 $-55\text{ }^{\circ}\text{C}$ and $260\text{ }^{\circ}\text{C}$ — 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 $-55\text{ }^{\circ}\text{C}$ and $260\text{ }^{\circ}\text{C}$ — 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 $-55\text{ }^{\circ}\text{C}$ and $260\text{ }^{\circ}\text{C}$ — 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 $-55\text{ }^{\circ}\text{C}$ and $260\text{ }^{\circ}\text{C}$ — 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 $-55\text{ }^{\circ}\text{C}$ and $260\text{ }^{\circ}\text{C}$ — 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 $-55\text{ }^{\circ}\text{C}$ and $260\text{ }^{\circ}\text{C}$ — Part 014: DR family, 4 to 11 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 $-55\text{ }^{\circ}\text{C}$ and $260\text{ }^{\circ}\text{C}$ — Part 015: DZ family, screened (spiral) and jacketed, UV laser printable for use in low pressure atmosphere — Product standard

5 Construction

5.1 Number of cores

See Table 1.

Table 1 — Number of cores

Number of cores	1	2	3	4	5	6	7	8	9	10	11
Code	A	B	C	D	E	F	G	H	J	K	L

5.2 Colour coding of cores and jacket

See Tables 2 to 10.

Table 2 — Code A

Number of cores in cables	Colours			
1	White			
2	White	Blue		
3	White	Blue	Yellow	
4	White	Blue	Yellow	Green
NOTE Jacket: for codes 002/006/012 light blue, white for other sizes.				

Table 3 — Code B

Number of cores in cables	Colours										
01	White										
02	White	Blue									
03	White	Blue	Orange								
04	White	Blue	Orange	Green							
05	White	Blue	Orange	Green	Red						
06	White	Blue	Orange	Green	Red	Black					
07	White	Blue	Orange	Green	Red	Black	Yellow				
08	White	Blue	Orange	Green	Red	Black	Yellow	Violet			
09	White	Blue	Orange	Green	Red	Black	Yellow	Violet	Grey		
10	White	Blue	Orange	Green	Red	Black	Yellow	Violet	Grey	Brown	
11	White	Blue	Orange	Green	Red	Black	Yellow	Violet	Grey	Brown	Light green
NOTE Jacket: for codes 002/006/012 light blue, white for other sizes.											