

Aerospace series - Cables, electrical, for general purpose - Operating temperatures between -55 °C and 200 °C - Part 008: DRP (pair) DRT (3 cores) DRQ (4 cores) family, multicore UV laser printable jacketed cable - Product standard

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 2266-008:2022 sisaldab Euroopa standardi EN 2266-008:2022 ingliskeelset teksti.	This Estonian standard EVS-EN 2266-008:2022 consists of the English text of the European standard EN 2266-008:2022.
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 and Accreditation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 30.11.2022.	Date of Availability of the European standard is 30.11.2022.
Standard on kättesaadav Eesti Standardimis-ja Akrediteerimiskeskusest.	The standard is available from the Estonian Centre for Standardisation and Accreditation.

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ICS 49.060

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English Version

**Aerospace series - Cables, electrical, for general purpose -
Operating temperatures between -55 °C and 200 °C - Part
008: DRP (pair) DRT (3 cores) DRQ (4 cores) family,
multicore UV laser printable jacketed cable - Product
standard**

Série aérospatiale - Câbles électriques d'usage général -
Températures de fonctionnement comprises entre -55
°C et 200 °C - Partie 008 : DRP (paire) DRT (tierce)
DRQ (quarte) multiconducteurs gainés marquables au
laser UV - Norme de produit

Luft- und Raumfahrt - Leitungen, elektrisch, für
allgemeine Verwendung - Betriebstemperaturen
zwischen - 55 °C und 200 °C - Teil 008: DRP-
(zweiadrig), DRT- (dreiadrig), DRQ- (vieradrig)
Familie, mehradrige, UV-Laser-bedruckbare,
ummantelte Leitungen - Produktnorm

This European Standard was approved by CEN on 8 May 2022.

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.

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

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European foreword

This document (EN 2266-008:2022) 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 document has received the approval of the National Associations and the Official Services of the member countries of ASD-STAN, prior to its presentation to CEN.

This document shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2023, and conflicting national standards shall be withdrawn at the latest by May 2023.

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 2266-008:2015.

The main changes with respect to the previous edition are listed in the following table.

Table 1 — Main changes introduced

prEN/EN number	Edition	Publication date	Modifications
prEN 2266-008	1	01/2014	-
	2	05/2021	Modification on some conditions of test (temperature). Change applicability on humidity test.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

1 Scope

This document specifies the characteristics of UV laser printable multicore jacketed electrical cables for use in the on-board electrical systems of aircraft at operating temperatures between $-55\text{ }^{\circ}\text{C}$ and $200\text{ }^{\circ}\text{C}$.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 2083, *Aerospace series — Copper or copper alloys conductors for electrical cables — Product standard*

EN 2235:2015, *Aerospace series — Single and multicore electrical cables, screened and jacketed — Technical specification*

EN 2266-002, *Aerospace series — Cables, electrical, for general purpose — Operating temperatures between $-55\text{ }^{\circ}\text{C}$ and $200\text{ }^{\circ}\text{C}$ — Part 002: General*

EN 2267-002, *Aerospace series — Cables, electrical, for general purpose — Operating temperatures between $-55\text{ }^{\circ}\text{C}$ and $260\text{ }^{\circ}\text{C}$ — Part 002: General*

EN 2267-009, *Aerospace series — Cables, electrical, for general purpose — Operating temperatures between $-55\text{ }^{\circ}\text{C}$ and $260\text{ }^{\circ}\text{C}$ — Part 009: DRA family, single and multicore assembly — Product standard*

EN 3475-100, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 100: General*

EN 3475-201, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 201: Visual examination*

EN 3475-202, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 202: Mass*

EN 3475-203, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 203: Dimensions*

EN 3475-301, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 301: Ohmic resistance per unit length*

EN 3475-302, *Aerospace series — Cable, electrical, aircraft use — Test methods — Part 302: Voltage proof test*

EN 3475-303, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 303: Insulation resistance*

EN 3475-304, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 304: Surface resistance*

EN 3475-306, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 306: Continuity of conductors*

EN 3475-401, *Aerospace series — Cables, electrical, aircraft use — Test Methods — Part 401: Accelerated ageing*

EN 3475-402, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 402: Shrinkage and delamination*

- EN 3475-403, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 403: Delamination and blocking*
- EN 3475-404, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 404: Thermal shock*
- EN 3475-405, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 405: Bending at ambient temperature*
- EN 3475-406, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 406: Cold bend test*
- EN 3475-407, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 407: Flammability*
- EN 3475-411, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 411: Resistance to fluids*
- EN 3475-505, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 505: Tensile test on conductors and strands ¹⁾*
- EN 3475-506, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 506: Plating continuity*
- EN 3475-507, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 507: Adherence of plating*
- EN 3475-508, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 508: Plating thickness*
- EN 3475-601, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 601: Smoke density*
- EN 3475-602, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 602: Toxicity*
- EN 3475-701, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 701: Strippability and adherence of insulation to the conductor*
- EN 3475-703, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 703: Permanence of manufacturer's marking*
- EN 3475-705, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 705: Contrast measurement*
- EN 3475-706, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 706: Laser markability*
- EN 4434, *Aerospace series — Copper or copper alloy lightweight conductors for electrical cables — Product standard (Normal and tight tolerances)*

¹⁾ Published as ASD-STAN Standard at the date of publication of this document by AeroSpace and Defence industries Association of Europe — Standardization (ASD-STAN), <https://www.asd-stan.org/>.