

STN	Letectvo a kozmonautika Elektrické káble na prenos digitálnych údajov Časť 001: Technická špecifikácia	STN EN 3375-001 31 1845
------------	---	---

Aerospace series - Cable, electrical, for digital data transmission - Part 001: Technical specification

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 01/23

Obsahuje: EN 3375-001:2022

Oznámením tejto normy sa ruší
STN EN 3375-001 (31 1845) z februára 2019

136256

EUROPEAN STANDARD

EN 3375-001

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2022

ICS 49.060; 49.090

Supersedes EN 3375-001:2018

English Version

**Aerospace series - Cable, electrical, for digital data
transmission - Part 001: Technical specification**

Série aérospatiale - Câbles électriques pour
transmission de données numériques - Partie 001 :
Spécification technique

Luft- und Raumfahrt - Elektrische Leitungen für
Digitaldatenübertragungen - Teil 001: Technische
Lieferbedingungen

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.

CEN members are the national standards bodies of 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 United Kingdom.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN 3375-001:2022 (E)

Contents	Page
European foreword	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Materials and construction of cables	4
4.1 General	4
4.2 Materials	5
4.3 Construction of cables	5
4.3.1 General	5
4.3.2 Cabled cores	5
4.3.3 Screened cables	5
4.3.4 Outer jacket	6
4.4 Colours of components and jacket	6
5 Required characteristics	6
6 Test methods	6
7 Quality assurance	11
7.1 Qualification	11
7.1.1 General requirements	11
7.1.2 Qualification conditions	11
7.1.3 Qualification tests	11
7.1.4 First article inspection tests	11
7.2 Acceptance test	11
7.2.1 Required conditions	11
7.2.2 Production routine tests	11
7.2.3 Tests prior to delivery	12
7.2.4 Periodic tests	12
8 Identification and marking	12
8.1 Marking	12
8.2 Colours	12
8.3 Identification	12
9 Packaging, labelling and delivery lengths	13
9.1 Packaging and labelling	13
9.2 Delivery lengths	13
Bibliography	14

European foreword

This document (EN 3375-001:2022) 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 April 2023, and conflicting national standards shall be withdrawn at the latest by April 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 3375-001 :2018.

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 3375-001	1	10/2005	-
	2	07/2016	-
	3	05/2021	<u>New proposal is needed to revise the Table 2 in order to clarify and update test applicability between FAI, qualification, periodic, each delivery columns (i.e. toxicity, smoke, flammability tests shall be applicable during qualification).</u>

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this document: 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.

EN 3375-001:2022 (E)**1 Scope**

This document specifies the required characteristics, test methods, qualification and acceptance conditions of signal data transmission electrical cables.

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 alloy conductors for electrical cables — Product standard*

EN 2084, *Aerospace series — Cables, electrical, general purpose, with conductors in copper or copper alloy — Technical specification*

EN 2235, *Aerospace series — Single and multicore electrical cables, screened and jacketed — Technical specification¹⁾*

EN 3475-*, *Aerospace series — Cables, electrical, aircraft use — Test methods*

EN 3838, *Aerospace series — Requirements and tests on user-applied markings on aircraft electrical cables*

EN 4434, *Aerospace series — Copper or copper alloy lightweight conductors for electrical cables — Product standard (Normal and tight tolerances)*

ISO 2574, *Aircraft — Electrical cables — Identification marking²⁾*

ISO 8815, *Aircraft — Electrical cables and cable harnesses — Vocabulary²⁾*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

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/>.

* All parts quoted in this document.

²⁾ Published by: ISO International Organization for Standardization <http://www.iso.ch/>.