

Sectional Specification: Connector sets for optical fibres and cables - Type LSA

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 186130:2006 sisaldab Euroopa standardi EN 186130:1994 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 27.01.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 186130:2006 consists of the English text of the European standard EN 186130:1994.</p> <p>This document is endorsed on 27.01.2006 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: This SS covers type LSA fibre optic connector sets.</p>	<p>Scope: This SS covers type LSA fibre optic connector sets.</p>
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Supersedes CECC 86 130 Issue 1 : 1993

Descriptors: Quality, electronic components, connectors sets

English version

Sectional Specification:

Connector Sets for Optical Fibres and Cables.
Type LSA

Spécification intermédiaire:
Jeux de connecteurs pour fibres et
câbles optiques.
Type LSA

Rahmenspezifikation:
Steckverbindersätze für
Lichtwellenleiter und
Lichtwellenleiterkabel.
Bauart LSA

This European Standard was approved by the CENELEC Electronic Components Committee (CECC) on 26 December 1993. CENELEC members are bound to comply with 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 General Secretariat of the CECC or to any CENELEC 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 CENELEC member into its own language and notified to the CECC General Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and United Kingdom. The membership of the CECC is identical, with the exception of the national electrotechnical committees of Greece, Iceland and Luxembourg.

CECC

CENELEC Electronic Components Committee

Comité des Composants Electroniques du CENELEC

CENELEC- Komitee für Bauelemente der Elektronik

General Secretariat: Gartenstr. 179, D-60596 Frankfurt am Main

FOREWORD

The CENELEC Electronic Components Committee (CECC) is composed of those member countries of the European Committee for Electrotechnical Standardization (CENELEC) who wish to take part in a harmonized System for electronic components of assessed quality.

The object of the System is to facilitate international trade by the harmonization of the specifications and quality assessment procedures for electronic components, and by the grant of an internationally recognized Mark, or Certificate, of Conformity. The components produced under the System are thereby acceptable in all member countries without further testing.

This European Standard was prepared by CECC WG 26, 'Fibre Optic Connectors'.

The text of the draft based on document CECC 86 130 Issue 1 : 1993 was submitted to the formal vote for conversion to a European Standard; together with the voting report, circulated as document CECC(Secretariat)3468 it was approved by CECC as EN 186 130 on 26 December 1993.

The following dates were fixed:

- | | | |
|-----------------------------------------------------------------|-------|-------------------|
| - latest date of announcement of the EN at national level | (doa) | 1994-05-02 |
| - latest date of publication of an identical national standard* | (dop) | 1994-11-02 |
| - latest date of withdrawal of conflicting national standards* | (dow) | 1995-11-02 |

* National Standard (excluding National implementation of IECQ Specifications)

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This specification has been formally approved by the CECC, and has been prepared for those countries taking part in the System who wish to issue national harmonized specifications for FIBRE OPTIC CONNECTORS AND ACCESSORIES TYPE LSA. It should be read in conjunction with the current regulations for the CECC System.

At the date of printing of this specification, the member countries of the CECC are Austria, Belgium, Denmark, Finland, France, Germany, Ireland, Italy, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom, and copies of it can be obtained from the addresses shown on the blue fly sheet.

PREFACE

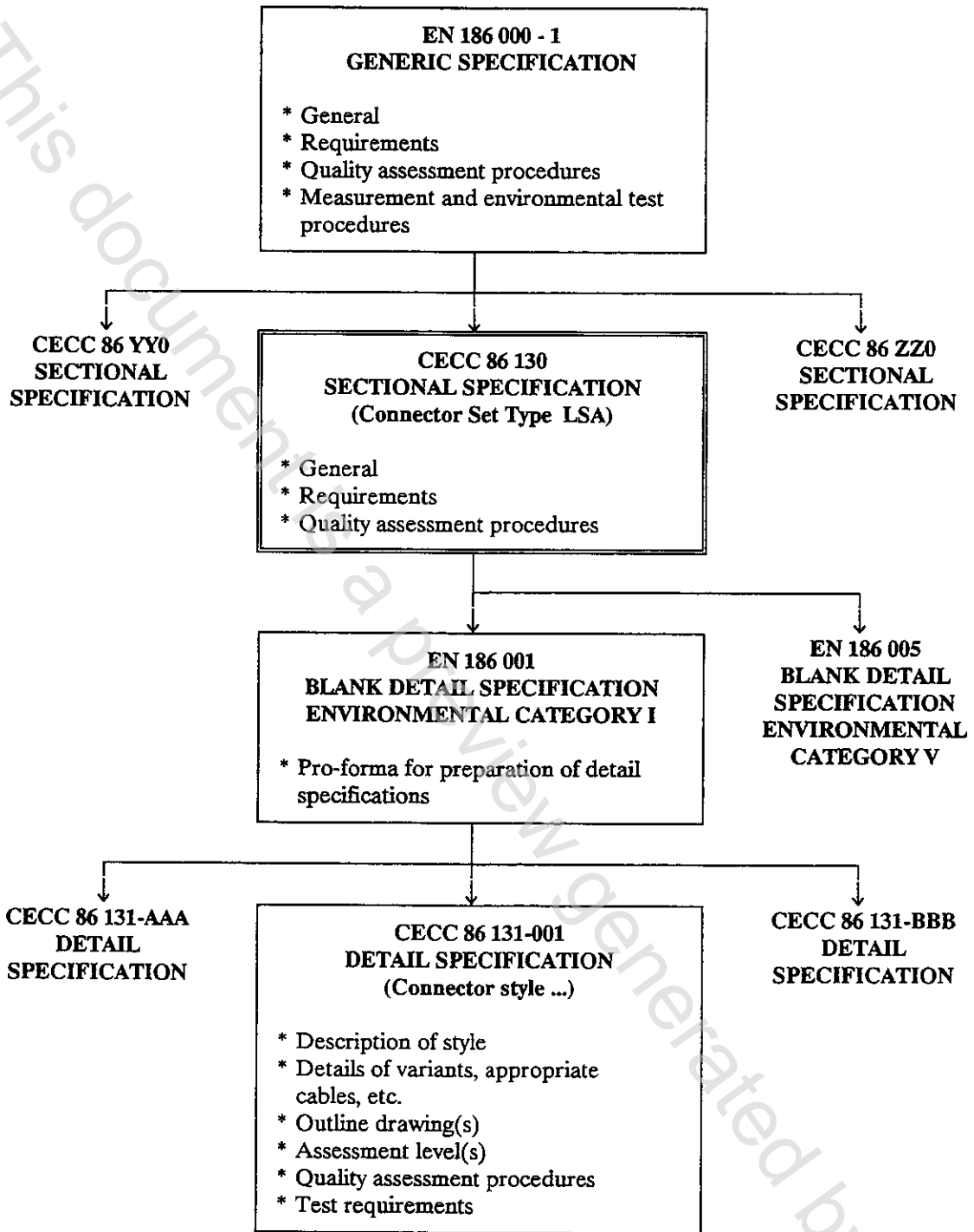
This specification was prepared by CECC WG 26 "Fibre Optic Connectors".

It is based, wherever possible, on the Publications of the International Electrotechnical Commission (IEC).

The text of this specification was circulated to the CECC for voting in the document(s) indicated below and was ratified by the President of the CECC for printing as a CECC Specification.

<u>Document</u>	<u>Date of Voting</u>	<u>Report on the Voting</u>
CECC(Secretariat)2562	July 1990	CECC(Secretariat)2728

Document numbering for fibre optic connector specifications follows 2.2(1) of CECC 00 700: Sect.IV, in order to permit the issue of more than nine sectional specifications (SSs). The approved numbering system applicable to fibre optic connector specifications is illustrated in the following diagram:



SECTION ONE - GENERAL

1. General

1.1 Scope

This SS covers type LSA fibre optic connector sets. Type LSA defines single way connectors with a M 5,5 mm x 5 mm screw thread coupling mechanism and a cylindrical butting ferrule of 2,5 mm nominal diameter .

This specification contains the requirements for type LSA connector sets.

Detail specifications (DSs) shall be prepared using the following pro forma general blank detail specifications (BDSs) associated with the generic specification. For example:

EN 186 005
Environmental Category V.

When completed, the DSs applicable to this SS shall be renumbered in accordance with CECC 00 700 (Section IV) Issue 1, clause 4.2, as follows. For example:

CECC 86 135-XXX
Type LSA
Environmental Category V

1.2 Related Documents

The following standards contain provisions which, through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards listed below.

References made to a specific clause or subclause of a standard includes all subclauses to the reference unless otherwise specified.

EN 186 000 - 1 :	Generic specification (GS) for connector sets for optical fibres and cables. Part 1.
IEC 825 :	Radiation safety of laser products, equipment classification, requirements and user's guide.
ISO 8015 :	Technical drawings; fundamental tolerancing principle.
ISO 128:	Technical drawings - General principles of presentation.

1.3 Definitions

For comparison of connectors with different accuracy grades with different mechanical and optical quality grades within the same DS the connectors are specified with a quality grade. This value gives a combination of the following three subgrades:

- * clearance grade
- * eccentricity grade
- * attenuation grade.