Sectional specification: connector sets for optical fibres and cables; type F-SMA

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN
186100:2002 sisaldab Euroopa standardi
EN 186100:1994 ingliskeelset teksti.

This Estonian standard EVS-EN 186100:2002 consists of the English text of the European standard EN 186100:1994.

Käesolev dokument on jõustatud 18.12.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. This document is endorsed on 18.12.2002 with the notification being published in the official publication of the Estonian national standardisation organisation.

Standard on kättesaadav Eesti standardiorganisatsioonist.

The standard is available from Estonian standardisation organisation.

Käsitlusala:

This specification covers Type F-SMA fibre optic connector sets. Type F-SMA defines a singleway connector characterized by a 1/4 36 UNS screw thread coupling mechanism and a sylindrical ferrule of 3,175 mm nominal diameter.

Scope:

This specification covers Type F-SMA fibre optic connector sets. Type F-SMA defines a singleway connector characterized by a 1/4 36 UNS screw thread coupling mechanism and a sylindrical ferrule of 3,175 mm nominal diameter.

ICS 33.180.20

Võtmesõnad: cables, connector, electric plugs, electrical engineering, electronic equ, electronic equipment and components, optical waveguides, quality, sectional specification, specification, types

EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN 186 100

January 1994

UDC

Supersedes CECC 86 100 Issue 1: 1992

Descriptors: Quality, electronic components, connectors sets

English version

Sectional Specification:

Connector Sets for Optical Fibres and Cables. Type F-SMA

Spécification intermédiaire: Jeux de connecteurs pour fibres et câbles optiques. Type F-SMA Rahmenspezifikation: Steckverbindersätze für Lichtwellenleiter und Lichtwellenleiterkabel. Bauart F-SMA

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 86 100 Issue 1: 1992 was submitted to the formal vote for conversion to a European Standard; together with the voting report, circulated as document CECC(Secretariat)3467 it was approved by CECC as EN 186 100 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 series F-SMA. 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

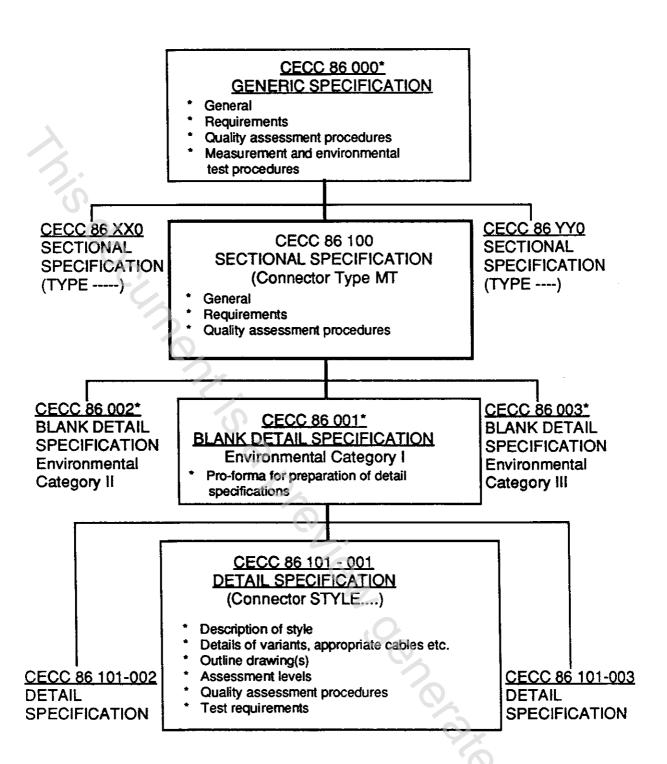
This specification was prepared by CECC WG26 "Fibre Optic Connectors".

It was 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 indicated below and was ratified by the President of the CECC for printing as a CECC Specification.

Document	Date of Voting	Report on the Voting
CECC (Secretariat) 2519	January 1989	CECC (Secretariat) 2664

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



* Editorial note:

Still in voting as EN specifications at date of publication of this specification (December 1992).

SECTION ONE - GENERAL

1.0 General

1.1 Scope

This specification covers Type F-SMA fibre optic connector sets. Type F-SMA defines a singleway connector characterized by a ¹/₄ 36 UNS screw thread coupling mechanism and a cylindrical ferrule of 3,175 mm nominal diameter.

The specification contains the requirements for Type F-SMA connector sets.

Detail specifications shall be prepared using the following proforma general blank detail specifications associated with the generic specification. For example:-

CECC 86 002

Environmental Category II

When completed, the detail specifications (DSs) applicable to this sectional specification (SS) shall be re-numbered in accordance with CECC 00 700 (Section IV) Issue 1, clause 4.2, as follows:-

CECC 86 102-XXX

Type F-SMA
Environmental Category II

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 sub-clause of a standard includes all sub-clauses to the reference unless otherwise specified.

CECC 86 000	Generic specification for connectors for optical fibres and cables.	
IEC 825	Radiation safety of laser products, equipment classification, requirements, and user's quide	