EESTI STANDARD EVS-EN 186110:2002

Sectional specification: Connector sets for optical fibres and cables - Type FC

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EESTI STANDARDIKESKUS

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 186110:2002 sisaldab Euroopa standardi EN 186110:1994 ingliskeelset teksti. Käesolev dokument on jõustatud 18.12.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 186110:2002 consists of the English text of the European standard EN 186110:1994. This document is endorsed on 18.12.2002 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.

Käsitlusala: This specification covers a family of fibre optic connector sets classified as Type FC. Type FC is a single way keyed connector characterized by a M8 x 0,75 screw thread coupling mechanism and spring-loaded, sylindrical, butting ferrules of 2,5 mm nominal diameter.	**Scope:** This specification covers a family of fibre optic connector sets classified as Type FC. Type FC is a single way keyed connector characterized by a M8 x 0,75 screw thread coupling mechanism and spring-loaded, sylindrical, butting ferrules of 2,5 mm nominal diameter.

ICS 33.180.20

Võtmesõnad: connectored joints, electric plugs, electronic equ, electronic equipment and components, fiber- glass laminates, optical waveguides, quality, quality requirements, sectional specification, specification

EUROPEAN STANDARD
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EN 186110

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Descriptors: Quality, electronic components, connector sets

English version

Sectional specification: Connector sets for optical fibres and cables Type FC

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

Rahmenspezifikation:
Steckverbindersätze für Lichtwellenleiter und Lichtwellenleiterkabel
Bauart FC

This European Standard was approved by the CENELEC Electronic Components Committee (CECC) on 20 June 1994. CENELEC 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 Central Secretariat 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 Central 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

Central 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 86110 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)3564. It was approved by CECC as EN 186110 on 20 June 1994.

The following dates were fixed:

- latest date of announcement of the EN at national level (doa) 1994-11-07
- latest date of publication of an identical national standard* (dop) 1995-05-07
- latest date of withdrawal of conflicting national standards* (dow) 1996-05-07

* National standard (excluding national implementation of IECQ Specifications).

CONTENTS

SECTION ONE - GENERAL

1. General

1.1 Scope

This specification covers a family of fibre optic connector sets classified as Type FC. Type FC is a single way keyed connector characterized by a M8 x 0,75 screw thread coupling mechanism and spring-loaded, cylindrical, butting ferrules of 2,5 mm nominal diameter.

This specification contains the requirements for type FC connector sets.

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

- EN 186 002, environmental category II.

When completed, the DS applicable to this SS shall be re-numbered in accordance with CECC 00 700 (Section IV) Issue 1, clause 4.2. For example:

CECC 86 112-XXX
Type FC
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 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.
IEC 825 :	Radiation safety of laser products, equipment classification, requirements and user's guide.

1.3 Definitions

1.3.1 The PC style

This style of connector incorporates a shaped, as opposed to a flat, endface to improve optical performance by ensuring intimate contact at the core interface.