SVENSK STANDARD SS-EN 187200

Fastställd	Utgåva	Sida	Ingår i
2001-08-28	1	1 (1+37)	SEK Område 86

Svenska Elektriska Kommissionen, SEK

Optical fibre cables – Sectional Specification: Optical cables to be used along electrical power lines (OCEPL)

Som svensk standard gäller europastandarden EN 187200:2001. Den svenska standarden innehåller den officiella engelska språkversionen av EN 187200:2001.

ICS 33.180.10

Denna standard är fastställd av Svenska Elektriska Kommissionen, SEK,
som också kan lämna upplysningar om **sakinnehållet** i standarden.
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EUROPEAN STANDARD **EN 187200**

NORME EUROPÉENNE

EUROPÄISCHE NORM May 2001

ICS 33.180.10

English version

Sectional Specification: Optical cables to be used along electrical power lines (OCEPL)

Spécification intermédiaire: Câbles optiques équipant les lignes électriques aériennes (COLEA)

Rahmenspezifikation: Lichtwellenleiterkabel auf Starkstrom-Freileitungen (OCEPL)

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Ref. No. EN 187200:2001 E

Foreword

This European Standard was prepared by a joint working group of the Technical Committees CENELEC TC 7, Overhead electrical conductors, and TC 86A, Optical fibres and optical fibre cables.

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 187200 on 1999-10-01.

The following dates were fixed:

latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2001-11-01
latest date by which national standards conflicting with the EN have to be withdrawn	(dow)	2002-10-01

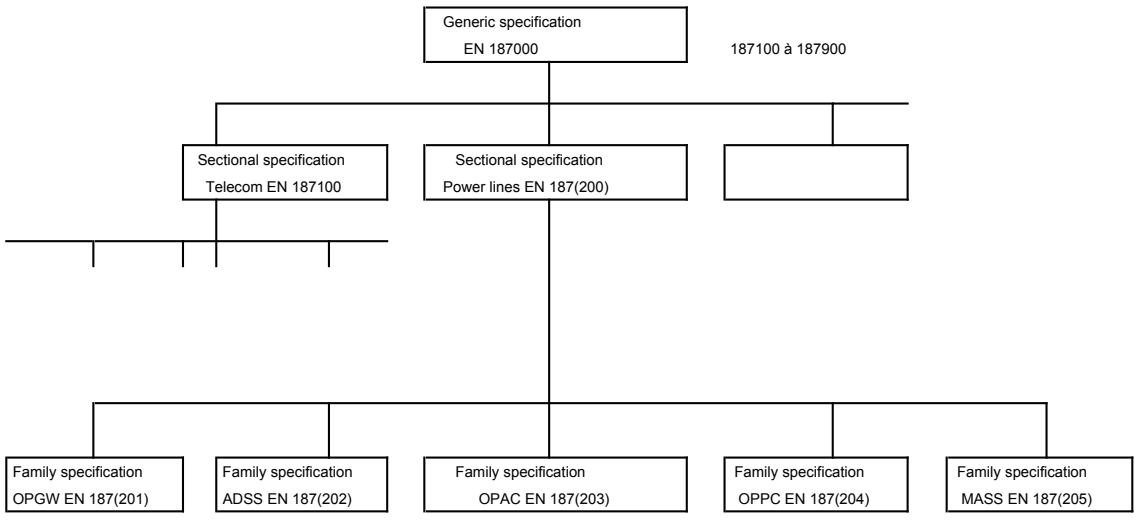
Annexes designated 'normative' are part of the body of the standard. Annexes designate 'informative' are given for information only. In this standard, Annexes B to G are normative and Annex A is informative.

This Sectional Specificaton is based, whenever possible, on European Standards (EN) or on publications of the International Electrotechnical Commission (IEC).

The chart hereafter presents the general architecture of the EN standardization of optical aerial cables to be used along electrical power lines.

A family specification can only be used when associated with the relevant sectional specification.

STANDARDIZATION OF OPTICAL AERIAL CABLES TO BE USED ALONG ELECTRICAL POWER LINES



It was agreed that this standard will include all test methods or references needed for OCEPL.

At the moment, the tests methods for OPGW are included in the Sectional Specification and will be transferred to the Generic Specification EN 187000.

In case of special environment, additional requirements and tests may be taken into account, such as corrosion, bending, etc....

Contents

1 Scope

This standard specifies the requirements of single-mode and graded index optical fibre cables for OCEPL.

2 Normative references

This standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references subsequent amendments to, or revisions of, any of these publications apply to this standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 50182	Conductors for overhead lines - Round wire concentric lay stranded conductors
EN 50183	Conductors for overhead lines - Aluminium-magnesium-silicon alloy wires
EN 50189	Conductors for overhead lines - Zinc coated steel wires
EN 50326[1)]	Characteristics of grease for bare overhead line conductors
EN 60794-1-2	Optical fibre cables -- Part 1-2 : Generic specification - Basic optical cable test procedures
EN 60794-3	Optical fibre cables -- Part 3: Telecommunication cables - Sectional specification
EN 60889	Hard-drawn aluminium wire for overhead line conductors
EN 61232	Aluminium-clad steel wire for electrical purposes (IEC 61232:1995, modified)
EN 61395	Overhead electrical conductors - Creep test procedure for stranded conductors
EN 187000	Generic specification : Optical fibre cables.
EN 188000	Generic specification : Optical fibres
EN 188100	Sectional specification : Single-mode (SM) optical fibre
EN 188101	Family specification : Single-mode dispersion unshifted (B1.1) optical fibre
EN 188102	Family specification : Single-mode dispersion shifted (B2) optical fibre
EN 188200	Sectional specification : Optical fibre A1 category graded index multimode fibres
EN 188201	Family specification : A1a graded index multimode optical fibres
EN 188202	Family specification : A1b graded index multimode optical fibres
IEC 60304	Standard colours for insulation for low-frequency cables and wires (harmonized as HD 402 S2:1984)
IEC 60708-1	Low-frequency cables with polyolefin insulation and moisture barrier polyolefin sheath -- Part 1 : General design details and requirements
IEC 61312-1	Protection against lightning electromagnetic impulse -- Part 1 : General principles

[1)] In preparation.