SVENSK STANDARD SS-EN 50117-1

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Svenska Elektriska Kommissionen, SEK

Koaxialkablar – Del 1: Artspecifikation

Coaxial cables – Part 1: Generic specification

Som svensk standard gäller europastandarden EN 50117-1:2002. Den svenska standarden innehåller den officiella engelska språkversionen av EN 50117-1:2002.

Nationellt förord

Tidigare utgiven svensk standard SS-EN 50117-1, utgåva 1, 1996, SS-EN 50117-1/A1, utgåva 1, 1997 och SS-EN 50117-1/A2, utgåva 1, 1997, gäller ej fr o m 2004-12-01.

ICS 33.120.10

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 50117-1**

NORME EUROPÉENNE

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ICS 33.120.10 Supersedes EN 50117-1:1995 + A1:1997 + A2:1997

English version

Coaxial cables
Part 1: Generic specification

Câbles coaxiaux
Partie 1: Spécification générique

Koaxialkabel
Teil 1: Fachgrundspezifikation

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 50117-1:2002 E

Foreword

This European Standard was prepared by SC 46XA, Coaxial cables, of Technical Committee CENELEC TC 46X, Communication cables.

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 50117-1 on 2001-12-01.

This European Standard supersedes EN 50117-1:1995 + corrigendum July 1997 + A1:1997 + A2:1997.

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) 2003-01-01

- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2004-12-01

Contents

1 Scope **4**

2 Normative references **4**

3 Definitions **6**

4 Requirements for cable construction **6**

4.1 General 6
4.2 Inner conductor 7
4.2.1 Conductor material 7
4.2.2 Conductor construction 7
4.3 Dielectric 7
4.4 Outer conductor or screen 8
4.5 Filling compounds 9
4.6 Moisture barriers 9
4.7 Wrapping layers 9
4.8 Sheath 9
4.9 Metallic protection 9
4.10 Cable integral suspension strand (messenger wire) 9
4.11 Oversheath 9
4.12 Fauna proofing 10
4.13 Chemical and/or environmental proofing 10
4.14 Cable identification 10
4.14.1 Sheath marking 10
4.14.2 Labelling 10

5 Test methods for completed cables **11**

5.1 Electrical test methods 11
5.1.1 Low frequency and d.c. electrical measurements 11
5.1.2 High-frequency electrical and transmission measurements 12
5.2 Mechanical test methods 12
5.3 Environmental test methods 13
5.4 Fire performance test methods 13

Table 1 – Low frequency and d.c. electrical measurements 11
Table 2 – High frequency electrical and transmission measurements 12
Table 3 – Mechanical test methods 12
Table 4 – Environmental test methods 13
Table 5 – Fire performance test methods 13

1 Scope

This European Standard covers coaxial cables for use in analogue and digital systems. This standard should be used in conjunction with EN 50290-1-1.

Coaxial cables covered by this standard operate in transverse electromagnetic mode (TEM) and are suitable for use in a wide range of digital and analogue applications including CATV, radio frequency systems, instrumentation, broadcasting, telecommunications and data network systems. Various constructions and materials provide for indoor and outdoor applications, including underground and overhead installations, and other environmental protection characteristics.

Generally, cables are designed for use in 50 Ohm and 75 Ohm characteristic impedance systems, although other types (e.g. 93/95 Ohm) are also covered.

Coaxial cables defined by this standard may be incorporated into hybrid cable constructions with optical fibre or multi-element cable components.

All cables covered by this standard may be subjected to voltages greater than 50 V a.c. or 75 V d.c. However, these cables are not intended for direct connection to the mains electricity supply or other low impedance sources.

2 Normative references

This European 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 European Standard only when incorporated in it by amendment or revision. For undated references, the latest edition of the publication referred to applies, (including amendments).

EN 50289-1-2	Communication cables - Specifications for test methods – Part 1-2: Electrical test methods – DC resistance
EN 50289-1-3	Communication cables - Specifications for test methods – Part 1-3: Electrical test methods – Dielectric strength
EN 50289-1-4	Communication cables - Specifications for test methods – Part 1-4: Electrical test methods – Insulation resistance
EN 50289-1-5	Communication cables - Specifications for test methods – Part 1-5: Electrical test methods – Capacitance
EN 50289-1-6	Communication cables - Specifications for test methods – Part 1-6: Electrical test methods – Electromagnetic performance
EN 50289-1-7	Communication cables - Specifications for test methods – Part 1-7: Electrical test methods – Velocity of propagation
EN 50289-1-8	Communication cables - Specifications for test methods – Part 1-8: Electrical test methods – Attenuation
EN 50289-1-11	Communication cables - Specifications for test methods – Part 1-11: Electrical test methods – Characteristic impedance, input impedance, return loss