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STN	**Koaxiálne káble. Časť 4-2: Rámcová špecifikácia káblov CATV do 6 GHz používaných v káblových rozvodných sieťach.**	**STN EN 50117-4-2** 34 7740

Coaxial cables - Part 4-2: Sectional specification for CATV cables up to 6 GHz used in cabled distribution networks

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 12/15

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English Version

Coaxial cables - Part 4-2: Sectional specification for CATV cables up to 6 GHz used in cabled distribution networks

Câbles coaxiaux - Partie 4-2: Spécification intermédiaire relative aux câbles des réseaux câblés de télévision jusqu'à 6 GHz, utilisés dans les réseaux de distribution par câbles

Koaxialkabel - Teil 4-2: Rahmenspezifikation für CATV-Kabel bis zu 6 GHz für Kabelverteilanlagen

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

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European foreword

This document (EN 50117-4-2:2015) has been prepared by CLC/SC 46XA "Coaxial cables" of CLC/TC 46X "Communication cables".

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2016-06-22
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2018-06-22

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).

1 Scope

This sectional specification relates to EN 50117-1 and should be read in conjunction with this generic specification. This specification applies to indoor drop cables for use in cabled distribution systems operating at temperature between -40 °C and +70 °C[1)] and at frequencies between 5 MHz and 6 000 MHz and complying with the requirements of EN 50083. These cables are suitable to implement the network type Case D as depicted in Figure 1 and subclause 6.6 of EN 60728-1-1:2014.

The purpose of this European Standard is to specify the applicable test methods and requirements for the electrical, mechanical, and environmental and fire performance of the cables.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 50117-1:2002, *Coaxial cables – Part 1: Generic specification*

EN 50289-1-6, *Communication cables – Specifications for test methods – Part 1-6: Electrical test methods – Electromagnetic performance*

EN 50289-3-9:2001, *Communication cables – Specifications for test methods – Part 3-9: Mechanical test methods – Bending tests*

EN 50290-1-2:2004, *Communication cables – Part 1-2: Definitions*

EN 50290-2-22, *Communication cables – Part 2-22: Common design rules and construction – PVC sheathing compounds*

EN 50290-2-27, *Communication cables – Part 2-27: Common design rules and construction – Halogen free flame retardant thermoplastic sheathing compounds*

prEN 50290-2-37, *Communication cables – Part 2-37: Common design rules and construction – Polyethylene insulation for coaxial cables*

prEN 50290-2-38, *Communication cables – Part 2-38: Common design rules and construction – Polyethylene insulation for coaxial cables*

EN 62153-1-1, *Metallic telecommunication cable test methods – Part 1-1: Electrical – Measurement of the pulse/step return loss in the frequency domain using the Inverse Discrete Fourier Transformation (IDFT) (IEC 62153-1-1)*

IEC 61196-1-115, *Coaxial communication cables – Part 1-115: Electrical test methods – Test for pulse return loss (regularity of impedance)*

1) This value is valid for applications without ampacity only.