

SLOVENSKI STANDARD SIST EN IEC 60728-113:2019

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Kabelska omrežja za televizijske in zvokovne signale ter interaktivne storitv - 113. del: Optični sistemi za razpršeno oddajanje signalov z obremenitvami izključno digitaliziranih kanalov (IEC 60728-113:2018)

Cable networks for television signals, sound signals and interactive services - Part 113: Optical systems for broadcast signal transmissions loaded with digital channels only (IEC 60728-113:2018)

Teh STANDARD PREVIEW
Kabelnetze für Fernsehsignale, Tonsignale und interaktive Dienste - Teil 113: Optische Systeme zur Rundfunksignalübertragung bei Vollbelegung mit digitalen Kanälen (IEC 60728-113:2018)

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Réseaux de distribution par câbles pour signaux de télévision, signaux de radiodiffusion sonore et services interactifs - Partie 113 : Systèmes optiques pour transmissions de signaux radiodiffusés soumis à une charge de porteuses exclusivement numériques (IEC 60728-113:2018)

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English Version

Cable networks for television signals, sound signals and interactive services - Part 113: Optical systems for broadcast signal transmissions loaded with digital channels only (IEC 60728-113:2018)

Réseaux de distribution par câbles pour signaux de télévision, signaux de radiodiffusion sonore et services interactifs - Partie 113 : Systèmes optiques pour transmissions de signaux radiodiffusés soumis à une charge de porteuses exclusivement numériques (IEC 60728-113:2018)

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EN IEC 60728-113:2018 (E)

European foreword

The text of document 100/3103/FDIS, future edition 1 of IEC 60728-113, prepared by IEC/TC 100 "Audio, video and multimedia systems and equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60728-113:2018.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2019-05-14 level by publication of an identical national standard or by endorsement
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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60068 (series)	NOTE	Harmonized as EN 60068 (series)
IEC 60728-1-2	NOTE	Harmonized as EN 60728-1-2
IEC 60728-3:2017	NOTE	Harmonized as EN IEC 60728-3:2018 (not modified)
IEC 60728-5	NOTE	Harmonized as EN 60728-5
IEC 60728-10	NOTE	Harmonized as EN 60728-10
IEC 60728-11	NOTE	Harmonized as EN 60728-11
IEC 60728-13-1	NOTE	Harmonized as EN 60728-13-1
IEC 60728-2	NOTE	In Europe, EN 50083-2 applies
IEC 60875-1	NOTE	Harmonized as EN 60875-1
IEC 61280-1-1	NOTE	Harmonized as EN 61280-1-1
IEC 61280-1-3	NOTE	Harmonized as EN 61280-1-3
IEC 61280-2-2	NOTE	Harmonized as EN 61280-2-2:2012 (not modified)
IEC 61280-2-9	NOTE	Harmonized as EN 61280-2-9
IEC 61281-1	NOTE	Harmonized as EN IEC 61281-1
IEC 61290-1-2	NOTE	Harmonized as EN 61290-1-2
IEC 61290-1-3	NOTE	Harmonized as EN 61290-1-3
IEC 61754-13	NOTE	Harmonized as EN 61754-13

EN IEC 60728-113:2018 (E)

Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	EN/HD	<u>Year</u>
IEC 60068-1	2013	Environmental testing - Part 1: General and guidance	EN 60068-1	2014
IEC 60728-1	2014	Cable networks for television signals, sound signals and interactive services - Part 1: System performance of forward paths	EN 60728-1	2014
IEC 60728-6		Cable networks for television signals, sound signals and interactive services - Part 6: Optical equipment stylestandards iteh al/catalog/standards/sist/e6ad5a72-13ff-4678-821f-	EN 60728-6	2011
IEC/TR 60728-6-1		Cable networks for television signals, sound signals and interactive services - Part 6-1: System guidelines for analogue optical transmission systems	-	-
IEC 60728-101	2016	Cable networks for television signals, sound signals and interactive services - Part 101: System performance of forward paths loaded with digital channels only	EN 60728-101	2017
IEC 60825-1	-	Safety of laser products - Part 1: Equipment classification and requirements	EN 60825-1	-
IEC 60825-2	-	Safety of laser products - Part 2: Safety of optical fibre communication systems (OFCS)	EN 60825-2	-
IEC 60825-12	-	Safety of laser products - Part 12: Safety of free space optical communication systems used for transmission of information	EN 60825-12	-
IEC 61755-1	2005	Fibre optic connector optical interfaces - Part 1: Optical interfaces for single mode non-dispersion shifted fibres - General and guidance	EN 61755-1	2006
ITU-T Recommendation G.692	-	Optical interfaces for multichannel systems with optical amplifiers	-	-
ITU-T Recommendation G.694.2	-	Spectral grids for WDM applications: CWDM wavelength grid	-	-

EN IEC 60728-113:2018 (E)

ITU-T - Advanced digital downstream transmission systems - for television, sound and data services for cable distribution

ITU-T - Digital multi-programme systems for television, sound - and data services for cable distribution

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

CABLE NETWORKS FOR TELEVISION SIGNALS, SOUND SIGNALS AND INTERACTIVE SERVICES –

Part 113: Optical systems for broadcast signal transmissions loaded with digital channels only

FOREWORD

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International Standard IEC 60728-13 has been prepared by technical area 5: Cable networks for television signals, sound signals and interactive services, of IEC technical committee 100: Audio, video and multimedia systems and equipment.

The text of this standard is based on the following documents:

FDIS	Report on voting	
100/3103/FDIS	100/3125/RVD	

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

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The list of all the parts of the IEC 60728 series, published under the general title *Cable networks for television signals, sound signals and interactive services,* can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

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INTRODUCTION

International Standards and other deliverables of the IEC 60728 series deal with cable networks, including equipment and associated methods of measurement for headend reception, processing and distribution of television and sound signals and for processing, interfacing and transmitting all kinds of data signals for interactive services using all applicable transmission media. These signals are typically transmitted in networks by frequency-multiplexing techniques.

This includes, for instance:

- regional and local broadband cable networks,
- extended satellite and terrestrial television distribution systems,
- individual satellite and terrestrial television receiving systems,

and all kinds of equipment, systems and installations used in such cable networks, distribution and receiving systems.

The extent of this standardization work ranges from antennas and/or special interfaces to headends, or other interface points on the network up to any terminal interface of the equipment on the customer's premises.

The standardization work will consider coexistence with users of the RF spectrum in wired and wireless transmission systems. ANDARD PREVIEW

The standardization of any user terminals (i.e. tuners, receivers, decoders, multimedia terminals) as well as of any coaxial, balanced and optical cables and accessories thereof is excluded.

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