
Kabelska omrežja za televizijske in zvokovne signale ter interaktivne storitve - 113. del: Optični sistemi za razpršeno oddajanje signalov z obremenitvami izključno digitaliziranih kanalov (IEC 60728-113:2023)

Cable networks for television signals, sound signals and interactive services - Part 113: Optical systems for broadcast signal transmissions loaded with digital channels only (IEC 60728-113:2023)

Kabelnetze für Fernsehsignale, Tonsignale und interaktive Dienste - Teil 113: Optische Systeme zur Rundfunksignalübertragung bei Vollbelegung mit digitalen Kanälen (IEC 60728-113:2023)

Réseaux de distribution par câbles pour signaux de télévision, signaux de radiodiffusion sonore et services interactifs - Partie 113: Systèmes optiques pour la transmission de signaux de radiodiffusion soumis à une charge de porteuses exclusivement numériques (IEC 60728-113:2023)

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EN IEC 60728-113:2023 (E)**European foreword**

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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.cencenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<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	2011	Cable networks for television signals, sound signals and interactive services - Part 6: Optical equipment	EN 60728-6	2011
IEC/TR 60728-6-1	2006	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
-	-		/AC	2017-07
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 IEC 60825-12	-
IEC 61280-1-1	2013	Fibre optic communication subsystem basic test procedures - Part 1-1: Test procedures for general communication subsystems - Transmitter output optical power measurement for single-mode optical fibre cable	EN 61280-1-1	2013

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IEC 61280-1-3	-	Fibre optic communication subsystem test procedures - Part 1-3: General communication subsystems - Measurement of central wavelength, spectral width and additional spectral characteristics	EN IEC 61280-1-3	-
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
-	-		+ corrigendum Dec. 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	-	-
ITU-T Recommendation J.183	-	Time-division multiplexing of multiple MPEG-2 transport streams and generic formats of transport streams over cable television systems	-	-
ITU-T Recommendation J.382	-	Advanced digital downstream transmission - systems for television, sound and data services for cable distribution		-
ITU-T Recommendation J.83	-	Digital multi-programme systems for television, sound and data services for cable distribution	-	-

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soumis à une charge de porteuses exclusivement numériques**

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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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This second edition cancels and replaces the first edition published in 2018 and IEC 60728-13-1:2017. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) IEC 60728-13-1, which deals with the bandwidth expansion for broadcast signal over FTTH systems, has been merged with this document;
- b) a table containing the digital signal level at the system outlet (Table 8) has been added.