SLOVENSKI STANDARD
oSIST prEN 50288-12-1:2017

01-januar-2017

Večelementni kovinski kabli za analogne in digitalne komunikacije in krmiljenje - 12-1. del: Področna specifikacija za zaslonjene kable z lastnostmi od 1 MHz do 2000 MHz - Vodoravni (etažni) in stavbni hrbtenični (medetažni) kabli

Multi-element metallic cables used in analogue and digital communications and control - Part 12-1: Sectional specification for screened cables characterised from 1 MHz up to 2 000 MHz - Horizontal and building backbone cables

Câbles métalliques à éléments multiples utilisés pour les transmissions et les commandes analogiques et numériques - Partie 2-1: Spécification intermédiaire pour les câbles écrantés caractérisés de 1 MHz à 2 000 MHz - Câbles horizontaux et verticaux de bâtiment

Ta slovenski standard je istoveten z: **prEN 50288-12-1**

ICS:

33.120.20	Žice in simetrični kabli	Wires and symmetrical cables

oSIST prEN 50288-12-1:2017 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

DRAFT
prEN 50288-12-1

November 2016

ICS 33.120.10

English Version

Multi-element metallic cables used in analogue and digital communications and control - Part 12-1: Sectional specification for screened cables characterised from 1 MHz up to 2 000 MHz - Horizontal and building backbone cables

Câbles métalliques à éléments multiples utilisés pour les transmissions et les commandes analogiques et numériques - Partie 2-1: Spécification intermédiaire pour les câbles écrantés caractérisés de 1 MHz à 2 000 MHz - Câbles horizontaux et verticaux de bâtiment

To be completed

This draft European Standard is submitted to CENELEC members for enquiry.
Deadline for CENELEC: 2017-02-10.

It has been drawn up by CLC/SC 46XC.

If this draft becomes a European Standard, CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CENELEC in three official versions (English, French, German).
A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.

CENELEC

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Project: 60177 Ref. No. prEN 50288-12-1 E

Contents

European foreword

This document (prEN 50288-12-1:2016) has been prepared by WG 2 of CLC/SC 46XC "Multicore, multipair and quad data communication cables" of CLC/TC 46X, "Communication cables".

This document is currently submitted to the Enquiry.

This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

EN 50288-12-1 is to be read in conjunction with EN 50288-1:2013.

1 Scope

EN 50288-12--1 is a sectional specification for screened cables, characterised up to 2 000 MHz, to be used in horizontal and building backbone wiring for information technology, generic-cabling systems.

This sectional specification contains the electrical, mechanical, transmission and environmental performance characteristics and requirements of the cables when tested in accordance with the referenced test methods.

This sectional specification is to be read in conjunction with EN 50288-1, which contains the essential provisions for its application.

The cables covered in this sectional specification are intended to operate with voltages and currents normally encountered in communications systems. These cables are not intended to be used in conjunction with low impedance sources, for example the electrical power supplies of public utility mains.

2 Normative references

The following referenced documents are indispensable for the application 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.

EN 50288-1:2013, *Multi-element metallic cables used in analogue and digital communication and control — Part 1: Generic specification*

EN 50289 (all parts), *Communication cables — Specifications for test methods*

EN 50290 (all parts), *Communication cables*

3 Terms, definitions, symbols and abbreviations

For the purposes of this document, the terms and definitions, symbols and abbreviations given in Clause 3 of EN 50288-1:2013 and the following apply.

Ex – Exogenous (derived or originating externally)

4 Cable construction

4.1 Conductor

The conductor shall be solid copper and meet the requirements of 4.1 of EN 50288-1:2013. The conductor shall be plain copper (with or without additional metal coating).

The nominal conductor diameter shall be ≥ 0,50 mm and ≤ 0,80 mm.

NOTE Constructions with ‘copper clad’ conductors do not meet the requirements.

4.2 Insulation

The insulation shall be of a suitable material according to the appropriate part of EN 50290-2.

4.3 Cabling elements

The cable element shall be a pair or quad.

4.4 Identification of cabling elements

Unless otherwise specified, the colour coding for identification is given in IEC 60189-2 or IEC 60708, as appropriate. The colours shall meet the requirements of 4.4 of EN 50288-1:2013.