



SLOVENSKI STANDARD

SIST EN 50290-2-20:2002

01-september-2002

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SIST HD 624.0 S1:1999

Communication cables - Part 2-20: Common design rules and construction - General

Communication cables -- Part 2-20: Common design rules and construction - General

Kommunikationskabel -- Teil 2-20: Gemeinsame Regeln für Entwicklung und Konstruktion - Allgemeines

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Câbles de communication -- Partie 2-20: Règles de conception communes et construction - Généralités

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Ta slovenski standard je istoveten z: EN 50290-2-20:2001

ICS:

29.035.01	Izolacijski materiali na splošno	Insulating materials in general
33.120.10	Koaksialni kabli. Valovodi	Coaxial cables. Waveguides

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EUROPEAN STANDARD

EN 50290-2-20

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2001

ICS 29.035.20; 33.120.10

Supersedes HD 624.0 S1:1997

English version

Communication cables
Part 2-20: Common design rules and construction -
General

Câbles de communication
Partie 2-20: Règles de conception
communes et construction -
Généralités

Kommunikationskabel
Teil 2-20: Gemeinsame Regeln für
Entwicklung und Konstruktion -
Allgemeines

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This European Standard was approved by CENELEC on 2001-05-01. 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.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists 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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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

Foreword

This European Standard was prepared by a joint working group of the Technical Committees CENELEC TC 46X, Communication cables, and CENELEC TC 86A, Optical fibres and optical fibre cables.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 50290-2-20 on 2001-05-01.

This European Standard supersedes HD 624.0 S1:1997.

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) 2002-08-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2004-08-01

This European Standard has been prepared under the European Mandate M/212 given to CENELEC by the European Commission and the European Free Trade Association.

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1 Scope

The series of part 2 of the European Standard EN 50290 specifies common design rules and construction requirements for materials used for communication cables.

Part 2 of EN 50290 consists of the following parts:

- Part 2-20 - General
- Part 2-21 - PVC insulation compounds
- Part 2-22 - PVC sheathing compounds
- Part 2-23 - PE insulation
- Part 2-24 - PE sheathing
- Part 2-25 - Polypropylene insulation compounds
- Part 2-26 - Halogen free flame retardant insulation compounds
- Part 2-27 - Halogen free flame retardant thermoplastic sheathing compounds
- Part 2-28 - Filling compounds for filled cables
- Part 2-29 - Cross-linked PE insulation compounds
- Part 2-30 - Poly(tetrafluoroethylene-Hexafluoropropylene) (FEP) insulation and sheathing

The different parts include specific requirements for materials used for communication cables. (remainder of paragraph deleted in view of DE comments agreed to)

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2 Definition <https://standards.iteh.ai/catalog/standards/sist/2f9d5d36-a10c-4762-93eb-2cfe81f34c53/sist-en-50290-2-20-2002>

2.1

maximum rated temperature

the “maximum rated temperature” given in the material standard is the maximum permissible temperature to which the cable material may be subjected during storage, transport, installation and occasionally during operation of the communication cables, as stated in the relevant cable specification

3 Rounding rules

Any requirement in the standard shall be expressed with the appropriate number of decimal places, relevant to the desired accuracy for the actual considered characteristic.

The results of measurement shall be rounded at the same number of decimal places as in the requirement.

The method of rounding shall be as follows:

- if the last figure to be retained is followed, before rounding by 0, 1, 2, 3 or 4, it shall remain unchanged (rounding down);
- if the last figure to be retained is followed, before rounding by 5, 6, 7, 8 or 9, it shall be increased by one (rounding up).

Examples:

2,449	2,45	rounded to two decimal places
	2,4	rounded to one decimal place
25,0478	25,048	rounded to three decimal places
	25,05	rounded to two decimal places
	25,0	rounded to one decimal place

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