

INTERNATIONAL STANDARD

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62255-2-1

First edition
2005-06

**Multicore and symmetrical pair/quad cables
for broadband digital communications
(high bit rate digital access telecommunication
networks) – Outside plant cables –**

**Part 2-1:
Unfilled cables – Blank detail specification**

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**MULTICORE AND SYMMETRICAL PAIR/QUAD CABLES
FOR BROADBAND DIGITAL COMMUNICATIONS
(HIGH BIT RATE DIGITAL ACCESS TELECOMMUNICATION
NETWORKS) – OUTSIDE PLANT CABLES –**

Part 2-1: Unfilled cables – Blank detail specification

FOREWORD

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International Standard IEC 62255-2-1 has been prepared by subcommittee 46C: Wires and symmetric cables, of IEC technical committee 46: Cables, wires, waveguides, r.f. connectors, r.f. and microwave passive components and accessories.

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

FDIS	Report on voting
46C/715/FDIS	46C/730/RVD

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

This standard is to be read in conjunction with IEC 62255-1 and IEC 62255-2.

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

IEC 62255 consists of the following parts, under the general title *Multicore and symmetrical pair/quad cables for broadband digital communications (high bit rate digital access telecommunications networks) – Outside plant cables*:

- Part 1: Generic specification
- Part 2: Unfilled cables – Sectional specification
- Part 2-1: Unfilled cables – Blank detail specification
- Part 3: Filled cables – Sectional specification
- Part 3-1: Filled cables – Blank detail specification
- Part 4: Aerial drop cables – Sectional specification
- Part 4-1: Aerial drop cables – Blank detail specification
- Part 5: Filled drop cables – Sectional specification
- Part 5-1: Filled drop cables – Blank detail specification

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication 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- withdrawn;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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Part 2-1: Unfilled cables – Blank detail specification

1 Scope

The blank detail specification determines the layout and style for detail specifications describing Multicore and symmetrical pair/quad unfilled cables for broadband digital communications. Detail specifications, based on the blank detail specification, may be prepared by a national organization, a manufacturer, or a user.

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.

IEC 62255-1, *Multicore and symmetrical pair/quad cables for broadband digital communications (high bit rate digital access telecommunication networks) – Outside plant cables – Part 1: Generic specification*
(<https://standards.iteh.ai>)

IEC 62255-2, *Multicore and symmetrical pair/quad cables for broadband digital communications (high bit rate digital access telecommunication networks) – Outside plant cables – Part 2: Unfilled cables – Sectional specification*

3 Guidance for preparation of detail specifications

The detail specification shall be written in accordance with the layout of the blank detail specification which forms part of this standard.

NOTE 1 When a characteristic does not apply, then NA (for not applicable) should be entered in the appropriate space.

NOTE 2 When a characteristic applies but a specific value is not considered necessary, then NS (for not specified) should be entered in the appropriate space. When NS is used, the appropriate requirement in the sectional specification should apply.

The numbers shown in brackets in this and the following pages correspond to the following items of required information, which should be entered in the spaces provided.

- [1] Name and address of the organization that has prepared the document.
- [2] IEC document number, issue number and date of issue.
- [3] Address of the organization from which the document is available.
- [4] Related documents.
- [5] Any other reference to the cable, national reference, trade name, etc.
- [6] A complete description of the cable including any distinguishing performance characteristics.
- [7] Details of the cable material and construction.
- [8] Special requirements for bending radius or operating temperatures.
- [9] List of cable characteristics. They are separated into electrical, transmission, mechanical and environmental characteristics.
- [10] Appropriate subclause references in the sectional specification IEC 62255-2.