

# INTERNATIONAL STANDARD

**Multicore and symmetrical pair/quad cables for digital communications –  
Part 3-1: Work area wiring – Blank detail specification**



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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**MULTICORE AND SYMMETRICAL PAIR/QUAD CABLES  
FOR DIGITAL COMMUNICATIONS –****Part 3-1: Work area wiring –  
Blank detail specification**

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International Standard IEC 61156-3-1 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.

This standard is to be read in conjunction with IEC 61156-1: 2002 and IEC 61156-3: 2008.

This third edition cancels and replaces the second edition published in 2003. This edition constitutes a technical revision. The significant global technical change is the alignment with IEC 61156-3: 2008.

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

FDIS	Report on voting
46C/883/FDIS	46C/891/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 publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts of the IEC 61156 series, published under the general title *Multicore and symmetrical pair/quad cables for digital communications*, can be found on the IEC website.

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- withdrawn;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.

## MULTICORE AND SYMMETRICAL PAIR/QUAD CABLES FOR DIGITAL COMMUNICATIONS –

### Part 3-1: Work area wiring – Blank detail specification

#### 1 Scope

The application of this blank detail specification relates to multicore and symmetrical pair(s)/quad(s) cables for digital communications in work area wiring.

This blank detail specification determines the layout and style for detail specifications describing multicore and symmetrical pair(s)/quad(s) cables for digital communication in work area wiring. Detail specifications based on the blank detail specification may be prepared by a national standards 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 61156-1:2002<sup>1</sup>, *Multicore and symmetrical pair/quad cables for digital communications – Part 1: Generic specification*

IEC 61156-3, *Multicore and symmetrical pair/quad cables for digital communications – Part 3: Work area wiring – Sectional specification*

#### 3 Guidance for preparation of detail specifications

It is necessary to keep the transmission characteristics indicated in the relevant sectional specification for the category number (3 or 5) and the characteristic impedance.

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

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

When a characteristic applies but a specific value is not considered necessary, then NS (for Not Specified) should be entered in the appropriate space.

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

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<sup>1</sup> A more recent version of this standard exists (2007), but as not all of the tests cited herein are addressed by the newer edition, it has been decided that the 2002 edition is to be used.