INTERNATIONAL STANDARD

IEC 61156-5-2

First edition
2002-05

Multicore and symmetrical pair/quad cables for digital communications –

Part 5-2: Symmetrical pair/quad cables with transmission characteristics up to 600 MHz – Horizontal floor wiring – Capability approval – Sectional specification

Câbles multiconducteurs à paires symétriques et quartes pour transmissions numériques –

Partie 5-2:
Câbles à paires symétriques et quartes avec caractéristiques de transmission allant jusqu'à 600 MHz –
Câble capillaire – Agrément de savoir-faire
Spécification intermédiaire

© IEC 2002 — Copyright - all rights reserved

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Electrotechnical Commission, 3, rue de Varembé, PO Box 131, CH-1211 Geneva 20, Switzerland
Telephone: +41 22 919 02 11 Telefax: +41 22 919 03 00 E-mail: inmail@iec.ch Web: www.iec.ch

Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

PRICE CODE H

For price, see current catalogue

INTERNATIONAL ELECTROTECHNICAL COMMISSION

MULTICORE AND SYMMETRICAL PAIR/QUAD CABLES FOR DIGITAL COMMUNICATIONS –

Part 5-2: Symmetrical pair/quad cables with transmission characteristics up to 600 MHz – Horizontal floor wiring – Capability Approval – Sectional specification

FOREWORD

1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
2) The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical specifications, technical reports or guides and they are accepted by the National Committees in that sense.
4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 61156-5-2 has been prepared by subcommittee 46C: Wires and symmetric cables, of IEC technical committee 46: Cables, wires, waveguides, RF connectors and accessories for communication and signalling.

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

FDIS	Report on voting
46C/506/FDIS	46C/521/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.

The committee has decided that the contents of this publication will remain unchanged until 2006. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

MULTICORE AND SYMMETRICAL PAIR/QUAD CABLES FOR DIGITAL COMMUNICATIONS –

Part 5-2: Symmetrical pair/quad cables with transmission characteristics up to 600 MHz – Horizontal floor wiring – Capability Approval – Sectional specification

1 General

1.1 Scope

This part of IEC 61156 applies to Capability Approval requirements for cables for digital communications in horizontal floor wiring in accordance with generic specification IEC 61156-1-1 and Clause 4 of the sectional specification IEC 61156-5.

Clause 2 refers to the content of the Capability Manual.

Clause 3 refers to the Quality Plans.

Clause 4 is related to the maintenance of the Capability Approval.

NOTE Quality assessment belongs to the negotiation between customers and manufacturers. The following clauses are intended to be a guide when there is a request for a third-party Capability Approval. However, it may also be used as the basis for second-party or self-certification.

1.2 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, *Multicore and symmetrical pair/quad cables for digital communications – Part 1: Generic specification*

IEC 61156-1-1, *Multicore and symmetrical pair/quad cables for digital communications – Part 1-1: Capability approval – Generic specification*

IEC 61156-5, *Multicore and symmetrical pair/quad cables for digital communications – Part 5: Symmetrical pair/quad cables with transmission characteristics up to 600 MHz – Horizontal floor wiring – Sectional specification*