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INTERNATIONAL STANDARD

Twinax cables for digital communications –
Part 1: Generic specification

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FOREWORD

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International Standard IEC 62783-1 has been prepared by subcommittee 46C: Wires and symmetric cables, of IEC technical committee 46: Cables, wires, waveguides, RF connectors, RF and microwave passive components and accessories.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
46C/1107/FDIS	46C/1113/RVD

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

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

A list of all parts in the IEC 62783 series, published under the general title *Twinax cables for digital communications*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific document. At this date, the document will be

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- withdrawn,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

A bilingual version of this publication may be issued at a later date.

INTRODUCTION

This International Standard specifies the generic characteristics of twinax cables, which use multiple twinax cable elements for transmission of digital signals.

These cables are intended for use in high-performance information technology systems and data interface interconnection systems. Twinax cables are generally used in short-reach data communication links, which reach about 1 m to 10 m. Information technology interconnection standards that use twinax cables include Ethernet, Fibre channel, SAS, SATA, and others.

IEC 62783 (all parts) includes separate family specifications, which are provided for each information technology interconnection standard’s specific twinax cable requirements.