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Test methods for structural parameters of optical fibers — Dimensional characteristics

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In the event of any doubts arising as to the contents,
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Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry based on the provision of Article 14, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act in response to a proposal for revision of Japanese Industrial Standard with a draft being attached, submitted by Japanese Standards Association (JSA), an accredited standards development organization. This edition replaces the previous edition (**JIS C 6822** : 2009), which has been technically revised.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, published patent application or utility model rights. The relevant Minister is not responsible for identifying any of such patent rights, published patent application or utility model rights.

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Test methods for structural parameters of optical fibers — Dimensional characteristics

Introduction

This Japanese Industrial Standard has been prepared based on **IEC 60793-1-20** : 2014, Edition 2, **IEC 60793-1-21** : 2001, Edition 1, and **IEC 60793-1-22** : 2001, Edition 1, with some modifications of the technical contents.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JA.

1 Scope

This Standard specifies the test methods for structural parameters related to the dimensions of multimode optical fibers, silica glass single-mode optical fibers, and intraconnection optical fibers that are either primary-coated or jacketed (hereafter generically referred to as optical fibers or simply as fibers).

NOTE The International Standards corresponding to this Standard and the symbol of degree of correspondence are as follows.

IEC 60793-1-20 : 2014 *Optical fibres — Part 1-20: Measurement methods and test procedures — Fibre geometry*

IEC 60793-1-21 : 2001 *Optical fibres — Part 1-21: Measurement methods and test procedures — Coating geometry*

IEC 60793-1-22 : 2001 *Optical fibres — Part 1-22: Measurement methods and test procedures — Length measurement* (overall evaluation: MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standards and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

2 Normative references

Part or all of the provisions of the following standards, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS C 6820 *General rules of optical fibers*

JIS C 6823 *Measuring methods for attenuation of optical fibers*

NOTE Normative reference in the corresponding International Standard: IEC 60793-1-40 *Optical fibres — Part 1-40: Measurement methods and test procedures — Attenuation*