

INTERNATIONAL STANDARD

AMENDMENT 1

**Fibre optic interconnecting devices and passive components - Fibre optic
connector interfaces -
Part 4: Type SC connector family**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**Fibre optic interconnecting devices and passive components -
Fibre optic connector interfaces -
Part 4: Type SC connector family**

AMENDMENT 1

FOREWORD

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Amendment 1 to IEC 61754-4:2022 has been prepared by subcommittee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics.

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

Draft	Report on voting
86B/5124/CDV	86B/5189/RVC

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

The language used for the development of this Amendment is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications/.

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- reconfirmed,
- withdrawn, or
- revised.

2 Normative references

Add the following normative references:

IEC 61755-3 (all parts), *Fibre optic interconnecting devices and passive components - Connector optical interfaces: Connector parameters of dispersion unshifted single-mode physically contacting fibres*

IEC 63267-3 (all parts), *Fibre optic interconnecting devices and passive components - Connector optical interfaces for enhanced macro bend multimode fibres: Connector parameters of physically contacting 50 µm core diameter fibres*

Figure 1 – Simplex PC plug connector interface

Replace the existing figure with the following new figure:

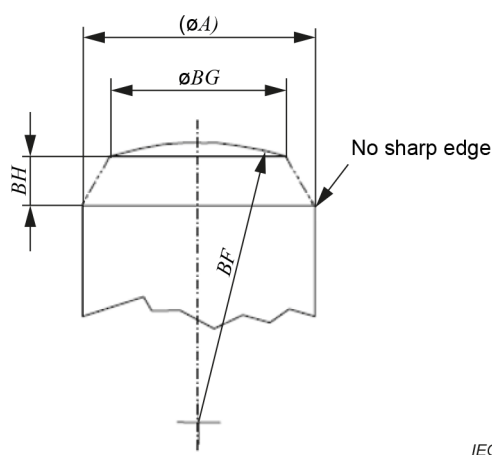


Table 3 – Dimensions of the simplex PC plug connector interface

In rows *BF* and *BG*, replace "See IEC 61755-3-1" with the following new content: "Shall be as specified in the IEC 61755-3 series or IEC 63267-3 series".

In row BI, in the first column, replace "BI" with "BH", in the second and third column, replace the existing values with "Shall be as specified in the IEC 61755-3 series or IEC 63267-3 series", and in the fourth column, delete the existing content.

Delete note d.

Table 4 – Grade characteristics for simplex PC plug connector

In the row for grade A, replace "See IEC 61755-3-1" with the following new content: "Grade not specified at this time".

In the rows for grades B, C and D, replace "See IEC 61755-3-1" with the following new content: "Shall be as specified in the IEC 61755-3 series".

In the rows for grades B_m and C_m , replace the existing minimum and maximum values with the following new content: "Shall be as specified in the IEC 63267-3 series".

Delete note b and the associated footnote.

Table 7 – Pin gauge dimensions

In the row for CK, in the last column, replace "grade N4 (0,2 μm radius)" with "Ra: $\leq 0,000\ 2$ ".

Figure 4 – Simplex PC plug connector interface

Replace the existing figure with the new following figure:

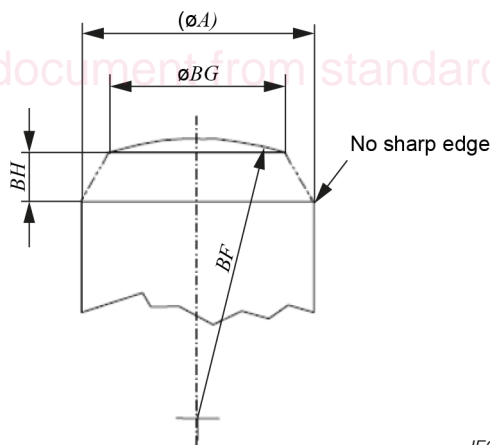


Table 8 – Dimensions of the duplex PC plug connector interface

In the rows for BF and BG, replace "See IEC 61755-3-1" with the new following content: "Shall be as specified in the IEC 61755-3 series or IEC 63267-3 series".

In the row for BI, replace reference "BI" with the following new reference "BH", in the second and third column, replace the existing values with the following new content: "Shall be as specified in the IEC 61755-3 series or IEC 63267-3 series", and in the fourth column, delete the existing content.

In the row for DD, in the third column, delete "35 mm".

Delete note f.