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Fibre optic interconnecting devices and passive components – Connector optical interfaces for multi-core fibre – Part 3-30: Connector parameters of standard outer diameter 4-core physically contacting fibres – Non-angled 2,5 mm and 1,25 mm diameter cylindrical full zirconia ferrules

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Part 3-30: Connector parameters of standard outer diameter 4-core physically contacting fibres – Non-angled 2,5 mm and 1,25 mm diameter cylindrical full zirconia ferrules

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Full information on the voting for the approval of this Publicly Available Specification 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.

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

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- replaced by a revised edition, or
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FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS – CONNECTOR OPTICAL INTERFACES FOR MULTI-CORE FIBRE –

Part 3-30: Connector parameters of standard outer diameter 4-core physically contacting fibres – Non-angled 2,5 mm and 1,25 mm diameter cylindrical full zirconia ferrules

1 Scope

This Publicly Available Specification defines the dimensional limits of the optical interface for 125 µm outer diameter 4-core physically contacting fibre optic connectors with 2,5 mm or 1,25 mm diameter cylindrical zirconia (ZrO_2) ferrules to ensure reliable interconnection and intermateability.

Ferrules made from the material specified in this document are suitable for use in all the operating service environments defined in IEC 61753-1.

Ferrule dimensions and features are contained in the IEC 61754 series of fibre optic connector interface standards.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 61755-1, *Fibre optic interconnecting devices and passive components – Connector optical interfaces for single-mode fibres – Part 1: Optical interfaces for dispersion unshifted fibres – General and guidance*