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Fibre optic interconnecting devices and passive components – Part 01: Fibre optic connector cleaning methods

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FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS –

Part 01: Fibre optic connector cleaning methods

FOREWORD

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IEC TR 62627-01 has been prepared by subcommittee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics. It is a Technical Report.

This third edition cancels and replaces the second edition published in 2016. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) addition of cleaning tools for adhesive pad type and adhesive pen type in terms and definitions (Clause 3), in information (7.5 and 7.6), in fibre optic connectors and their applicable cleaning tools (Table 1 and Clause 8) and procedures (9.5, 9.6 and 9.7);
b) addition of classification of cleaning tools and machines (Figure 1).

The text of this Technical Report is based on the following documents:

Draft	Report on voting
86B/4625/DTR	86B/4647/RVDTR

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 Technical Report 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.

A list of all parts in the IEC 62627 series, published under the general title *Fibre optic interconnecting devices and passive components*, can be found on the IEC website.

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FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS –

Part 01: Fibre optic connector cleaning methods

1 Scope

This part of IEC 62627, which is a Technical Report, details cleaning methods for fibre optic connectors. It includes typical cleaning tools and machines, and cleaning procedures. Other cleaning methods ~~may~~ exist. The impact of contamination and the reasons for connector visual inspection and cleaning are described in Annex B. This document does not address the visual inspection ~~criteria~~ procedures, which are covered in IEC 61300-3-35~~:2015~~.

Optical fibre patch cords are handled by the operators and maintenance staff of optical network systems. This document ~~may be used~~ is useful as a guideline to prepare instruction manuals for those involved in optical system maintenance and operation.

This document covers fibre optic connector plugs, optical adaptors, optical receptacles (excluding optical transceivers) and dust caps. Guidelines for ~~optical~~ fibre optic connector end-face cleaning methods for receptacle style optical transceivers are covered in IEC TR 62572-4.

2 Normative references

~~The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.~~

There are no normative references in this document.

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Edition 3.0 2023-01

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IEC TR 62627-01:2023-01(en)

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