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# TECHNICAL REPORT



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

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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#### **Part 01: Fibre optic connector cleaning methods**

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

This second edition cancels and replaces the first edition published in 2010. This edition constitutes a technical revision.

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

- a) restructure of clauses;
- b) addition of some terms and definitions;
- c) addition of information on cleaning tools and machines;
- d) addition of information on dust caps;
- e) addition of applicable cleaning tools and machines for optical connectors.

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

Enquiry draft	Report on voting
86B/3926/DTR	86B/3943A/RVC

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

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

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.

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

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- withdrawn,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

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

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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 Technical Report does not address the visual inspection criteria, 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 Technical Report may be used as a guideline to prepare instruction manuals for those involved in optical system maintenance and operation.

This Technical Report covers fibre optic connector plugs, optical adaptors, optical receptacles (excluding optical transceivers) and dust caps. Guidelines for optical 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.