

# 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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## CONTENTS

FOREWORD.....	4
1 Scope.....	6
2 Normative references .....	6
3 Terms and definitions .....	6
3.1 Cleaners .....	6
3.2 Fibre optic connector parts.....	7
4 Application of fibre optic connectors .....	8
4.1 General.....	8
4.2 Influence of contamination of fibre optic connector end-faces .....	8
5 Guidelines for handling fibre optic connectors.....	8
5.1 Guidelines for careful handling fibre optic connectors .....	8
5.2 Storage of fibre optic connectors.....	8
5.3 Connection of fibre optic connector plugs to ports on optical network equipment.....	8
5.4 Disconnection of fibre optic connector plugs to ports.....	9
6 Dust caps .....	9
7 Cleaning tools and machines .....	9
7.1 General.....	9
7.2 Reel type cleaner.....	10
7.3 Stick type cleaner .....	11
7.4 Pen type cleaner.....	11
7.5 Adhesive backed stick type cleaner .....	12
7.6 Adhesive pad type cleaner .....	12
7.7 Adhesive pen type cleaner .....	13
7.8 Gas and vacuum cleaning machine.....	13
7.9 Air duster .....	13
7.10 Wipe and solvent – Wet cleaning .....	14
8 Fibre optic connectors and their corresponding cleaning tools and machines.....	14
9 Procedures.....	15
9.1 General.....	15
9.2 Basic procedure of cleaning .....	15
9.3 Procedure to clean exposed plug end-faces with a reel type cleaner .....	15
9.4 Procedure for port cleaning using a stick type or a pen type cleaner .....	16
9.5 Procedure for port cleaning using an adhesive backed stick type cleaner.....	17
9.6 Procedure for plug cleaning using an adhesive pad type cleaner .....	17
9.7 Procedure for port cleaning using an adhesive pen type cleaner .....	18
9.8 Cleaning procedure using a gas and vacuum type cleaning machine .....	18
Annex A (informative) Precautions for the cleaning process.....	19
A.1 Material to be cleaned.....	19
A.1.1 Plug connector .....	19
A.1.2 Plug connector inside adaptors.....	19
A.1.3 Adaptor for a cylindrical ferrule plug .....	19
A.1.4 Timing of the cleaning .....	19
A.2 Additional information .....	19
Annex B (informative) General information on contamination .....	21
B.1 Impact of contamination .....	21

B.1.1	General .....	21
B.1.2	High power levels .....	21
B.1.3	High data rates .....	21
B.2	Source of contamination .....	21
B.2.1	Mishandling .....	21
B.2.2	Environmental sources .....	22
B.2.3	Contamination travels .....	22
B.2.4	Contamination migration .....	23
B.3	Problems due to end-face contamination .....	23
B.3.1	Signal degradation.....	23
B.3.2	Permanent damage .....	24
Annex C (informative)	Example of inspection equipment.....	25
Bibliography.....		26
Figure 1	– Classification of cleaning tools and machines.....	10
Figure 2	– Example of a reel type cleaner .....	11
Figure 3	– Example of stick type cleaners .....	11
Figure 4	– Example of a pen type cleaner .....	12
Figure 5	– Example of an adhesive backed stick type cleaner.....	12
Figure 6	– Example of an adhesive pad type cleaner .....	12
Figure 7	– Example of an adhesive pen type cleaner .....	13
Figure 8	– Example of a gas and vacuum cleaning machine .....	13
Figure 9	– Example of an air duster .....	14
Figure 10	– Cleaning with a reel type cleaner .....	15
Figure 11	– Cleaning ports using a stick type cleaner .....	16
Figure 12	– Cleaning ports using a pen type cleaner.....	16
Figure 13	– Cleaning ports using an adhesive stick type cleaner.....	17
Figure 14	– Cleaning with a pad type cleaner.....	18
Figure 15	– Cleaning with an adhesive pen type cleaner.....	18
Figure B.1	– Typical examples of contamination .....	22
Figure B.2	– Results of mating.....	22
Figure B.3	– Contamination migration .....	23
Figure B.4	– Signal degradation due to contamination .....	23
Figure B.5	– Permanent damage due to contamination .....	24
Figure C.1	– Patch-cord inspection and port inspection.....	25
Table 1	– Cleaning tools and machines for typical fibre optic connector parts .....	14

# INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

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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](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications](http://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.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under [webstore.iec.ch](http://webstore.iec.ch) in the data related to the specific document. At this date, the document will be

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

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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 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 procedures, which are covered in IEC 61300-3-35.

Optical fibre patch cords are handled by the operators and maintenance staff of optical network systems. This document 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 fibre optic connector end-face cleaning methods for receptacle style optical transceivers are covered in IEC TR 62572-4.

### **2 Normative references**

There are no normative references in this document.