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Responsible committee: GEL/86/1 Optical fibres and cables

Interested committees:

Title: BS EN IEC 60794-1-113 Optical fibre cables

Part 1-113: Generic specification - Basic optical cable test procedures - Mechanical tests methods # Shotgun resistance, Method E13

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Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

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Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/Figure/ Table/Note	Type of comment	Commend (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	



86A/2487/CD

COMMITTEE DRAFT (CD)

PROJECT NUMBER: IEC 60794-1-113 ED1	
DATE OF CIRCULATION: 2024-07-26	CLOSING DATE FOR COMMENTS: 2024-09-20
SUPERSEDES DOCUMENTS:	

IEC SC 86A : FIBRES AND CABLES	
SECRETARIAT: France	SECRETARY: Mr Laurent Gasca
OF INTEREST TO THE FOLLOWING COMMITTEES:	HORIZONTAL FUNCTION(S):
ASPECTS CONCERNED:	

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TITLE:

Optical fibre cables - Part 1-113: Generic specification - Basic optical cable test procedures - Mechanical tests methods – Shotgun resistance, Method E13

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

OPTICAL FIBRES CABLES –

**Part 1-113: Generic specification – Basic optical cable test procedures –
Mechanical test methods – Shotgun resistance, Method E13**

FOREWORD

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IEC 60794-1-119 has been prepared by subcommittee 86A: Fibres and cables, of IEC technical committee 86: Fibre Optics. It is an International Standard.

This first edition cancels and replaces the Method E13: Shotgun damage from the IEC 60794-1-21 edition published in 2015 and amended (amendment 1) in 2020. This edition constitutes a technical revision.

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

- a) Define more precisely the installation of the cable under test for Method E13A;
- b) Add an optical monitoring to assess the optical continuity of the fibre(s) after the test for both test methods E13A and E13B;
- c) Add a visual inspection of each element of the cable after the completion of the test for both test methods E13A and E13B, together with acceptance criteria;

- d) Add parts 4.7 Details to be reported, and 5.7 Details to be reported for both test methods E13A and E13B.
- e) Add two annexes to exemplify the damages for shotgun resistance tests (Annex A, informative), and the computation of the mass and drop height of the drop weight for Method E13B (Annex B informative).

The text of this International Standard is based on the following documents:

Draft	Report on voting
XX/XX/FDIS	XX/XX/RVD

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 International Standard is.

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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- withdrawn, or
- revised.