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Optical fibre cables -
Part 1-119: Generic specification - Basic optical cable test procedures -
Mechanical tests methods - Aeolian vibration, Method E19

Câbles à fibres optiques -
Partie 1-119: Spécification générique - Procédures fondamentales d'essais des
câbles optiques - Méthodes d'essais mécaniques - Vibrations éoliennes,
Méthode E19

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CONTENTS

FOREWORD	2
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
3.1 Terms and definitions	4
3.2 Abbreviated terms	4
4 Method E19: aeolian vibration	4
4.1 Object	4
4.2 Sample	5
4.3 Apparatus	5
4.4 Procedure	5
4.5 Requirements	6
4.6 Details to be specified	7
4.7 Details to be reported	7
Annex A (informative) Aeolian vibration basics	8
Bibliography	10
Figure 1 – Aeolian vibration test	5
Figure A.1 – Standing wave vibration	8

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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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 test method E19 of the first edition of IEC 60794-1-21 published in 2015. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to IEC 60794-1-21:

- a) addition of a system to maintain a constant cable tension during the test as well as means to measure the free loop antinode amplitude;
- b) definition of the cable load which is now fixed to 25 % of the rated tensile strength for OPGW/OPPC, or to the maximum installation tension (MIT) for ADSS cables;
- c) addition of the target free loop peak-to-peak antinode amplitude to the procedure. The quality of the aeolian vibration motion is done through the average antinode peak velocity;
- d) addition of fatigue damage and ovality changes of the optical core to 4.5.