SLOVENSKI STANDARD
oSIST prEN IEC 60794-1-119:2024

01-oktober-2024

Optični kabli - 1-119. del: Splošna specifikacija - Osnovni preskusni postopki za optične kable - Vetrne vibracije, metoda e19

Optical fibre cables - Part 1-119: Generic specification - Basic optical cable test procedures - Aeolian vibration, method e19

Câbles à fibres optiques - Partie 1-119: Spécification générique - Procédures fondamentales d'essais des câbles optiques - Vibration éolienne, méthode e19

Ta slovenski standard je istoveten z: **prEN IEC 60794-1-119:2024**

ICS:

33.180.10 (Optična) vlakna in kabli Fibres and cables

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86A/2484/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

PROJECT NUMBER: **IEC 60794-1-119 ED1**	
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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 1-119: Generic specification - Basic optical cable test procedures - Aeolian Vibration, Method E19

PROPOSED STABILITY DATE: 2028

NOTE FROM TC/SC OFFICERS:

CONTENTS

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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OPTICAL FIBRE CABLES –

Part 1-119: Generic specification – Basic optical cable test procedures – Mechanical test methods – Aeolian Vibration, Method E19

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 of IEC 60794-1-119 cancels and replaces test method E19 of the first edition of IEC 60794-1-21 published in 2015.

This edition includes a few editorial changes to improve the content and the following significant technical changes with respect to the previous edition:

a) the mechanical tests contained in IEC 60794-1-21: 2020 will now be individually numbered in the IEC 60794-1-1xx series. Each test method is now considered to be an individual document rather than part of a multi-test method compendium. Full cross-reference details are given in IEC 60794-1-2.
b) A system to maintain a constant cable tension during the duration of the test as well as means to measure the free loop antinode amplitude have been added to the Apparatus.

c) Cable load is fixed to 25 % of the rated tensile strength for OPGW/OPPC, or to the maximum installation tension (MIT) for ADSS cable.

d) The target free loop peak-to-peak antinode amplitude is now defined in the procedure. The quality of the aeolian vibration motion is done through the average antinode peak velocity.

e) Fatigue damage and ovality changes of the optical core are included in the Requirements clause.

The text of this standard is based on the following documents:

FDIS	Report on voting
86A/XXXX/FDIS	86A/XXXX/RVD