



**STANDARD FOR
INDOOR-OUTDOOR
OPTICAL FIBER CABLE**

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Second Edition – March 2013

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INDOOR-OUTDOOR
OPTICAL FIBER CABLE**

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FOREWORD

(This Foreword is not part of this Standard)

ICEA Standards are adopted in the public interest and are designed to eliminate misunderstanding between the manufacturer and user and to assist the user in selecting and obtaining proper products for his particular need. Existence of an ICEA Standard does not in any respect preclude the manufacture or use of products not conforming to the Standard.

The user of this Standard is cautioned to observe any applicable health or safety regulations and rules relative to the manufacture and use of cable made in conformity with this Standard. This Standard hereafter assumes that only properly trained personnel using suitable equipment will perform manufacture, testing, installation and maintenance of cables defined by this Standard.

Questions of interpretation of ICEA Standards can only be accepted in writing, and the reply shall be provided in writing. Suggestions for improvements in this Standard are welcome. Questions and suggestions shall be sent to:

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This issue replaces the previous issue of ANSI/ICEA S-104-696-2001 *Standard for Indoor-Outdoor Optical Fiber Cable*. Major changes in this revision include the following:

- Addition of new fiber types
- Addition of normative index on Weatherized Indoor Cable Requirements

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PART 1

INTRODUCTION

1.1 Scope

1.1.1 Products

Indoor-outdoor cables covered by this Standard are generally derived from outdoor cable designs having the thermal and mechanical robustness that makes them suitable for use in the Outside Plant. Material changes are made, as required, to allow the designs to meet their intended fire rating. These cables can be expected to comply with all specification requirements stipulated in this Standard.

In cases where outside exposure is limited (less than 10 meters), a weatherized cable may be derived from an indoor cable design (backbone or interconnect). As required in Annex B, the indoor cable weatherized for outdoor use uses the basic requirements found in ICEA S-83-596. The requirements specified in Part 1 through 8 do not apply, except as invoked by Annex B.

Cable that is compliant with S-104-696 is considered compliant to S-83-596.