

## STANDARD INFORMATION

**Standard Number:** CSA C22.2 No 232  
**Standard Name:** Optical Fiber Cables  
**Standard Edition and Issue Date:** 3<sup>rd</sup> Edition Dated March 1, 2017  
**Date of Revision:** March 1, 2017  
**Date of Previous Revision of Standard:** November 1, 2014

## EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

**Effective Date:** **November 10, 2018**

## IMPACT, OVERVIEW, AND ACTION REQUIRED

**Impact Statement:** A review of all Listing Reports is necessary to determine which products comply with new/revise requirements and which products will require re-evaluation. **NOTE:** Effective immediately, this revised standard will be exclusively used for evaluation of new products unless the Applicant requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revise requirements.

### Overview of Changes:

- Clause has been added to state that FT1 shall not be required for cable that has been subjected to the FT4 test.
- Clauses 6.1.4.1 and 6.1.4.2 have been revised to state that they must comply with the FT6 flame and smoke test requirements in NFPA 262 or CAN/ULC-S102.4.
- Marking on products has been revised.

Specific details of new/revise requirements are found in table below.

**If the applicable requirements noted in the table are not described in your report(s), these requirements will need to be confirmed as met and added to your report(s) such as markings, instructions, test results, etc. (as required).**

### Client Action Required:

**Information** – To assist our Engineer with review of your Listing Reports, please submit technical information in response to the new/revise paragraphs noted in the attached or explain why these new/revise requirements do not apply to your product (s).

***Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.***



## STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
<p>Additions to existing requirements are <u>underlined</u> and deletions are shown <del>lined out</del> below.</p>		
6	Info	<b>Tests</b>
6.2	Info	<b>FT4 flame test</b>
6.1.2.2		When tested in accordance with the FT4 test in CAN/CSA C22.2 No. 2556, the cable shall not exhibit a char length in excess of 1.5 m. <u>The FT1 test shall not be required for cable that has been subjected to the FT4 test.</u>
6.1.4	Info	<b>FT6 flame and smoke test</b>
6.1.4.1		The FT6 flame and smoke test specified in <a href="#">Clause 6.1.4.2</a> shall apply to cables marked OFNP and OFCP. <u>Cable marked "OFNP" or "OFCP" shall comply with the requirements of the FT6 horizontal flame and smoke test in NFPA 262 or CAN/ULC-S102.4.</u>
6.1.4.2		<del>Cables marked FT6 in accordance with the requirements of <a href="#">Clause 7.1(f)</a> shall comply with the requirements of the FT6 horizontal flame and smoke test in CSA C22.2 No. 0-3.</del> <u>Cable marked "FT6" shall comply with the requirements of the FT6 horizontal flame and smoke test in NFPA 262 or CAN/ULC-S102.4.</u>
7	Info	<b>Markings</b>
<b>Marking on products</b>		
7.1		<p>Finished cable shall be legibly and durably surface marked at a maximum interval of 1 m to show</p> <p><del>(a) manufacturer's identification (name, type designation, trademark, or colour threads);</del></p> <p><del>(b) type designation;</del></p> <p><del>(c) flame classification FT1 (cables marked FT4, FT4-ST1, or FT6 need not be marked FT1);</del></p> <p><del>(d) flame classification FT4 for cables meeting the requirements of <a href="#">Clause 6.1.2</a>;</del></p> <p><del>(e) flame classification FT4-ST1 for cables meeting the requirements of <a href="#">Clause 6.1.3</a>;</del></p> <p><del>(f) flame classification FT6 for cables meeting the requirements of <a href="#">Clause 6.1.4</a>;</del></p> <p><del>(g) temperature rating (if above 60 °C); and</del></p> <p><del>(h) "SR" or "SUN RES" or "SUNLIGHT RESISTANT" if the cable meets the requirements of <a href="#">Clause 6.5</a>.</del></p> <p><u>All markings shall be legibly and durably surface-marked at a maximum interval of 1 m. The following shall be marked on the finished cable:</u></p> <p><u>a) manufacturer's identification (name, trademark, or colour threads);</u></p> <p><u>b) temperature rating, if above 60 °C;</u></p>



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c) “OFN”, “OFNH”, “OFC”, or “OFCH” for cable that meets the requirements of Clause 6.1.1.2;

**Note:** *In addition, “FT1” may also be marked.*

d) “OFNR”, “OFNG”, “OFCR”, or “OFCG” and for cable that meets the requirements of Clause 6.1.2.2;

**Note:** *In addition, “FT4” may also be marked.*

e) “OFNP” or “OFCP” for cable that meets the requirements of Clause 6.1.4.2;  
and

**Note:** *In addition, “FT6” may also be marked.*

f) “SR” or “SUN RES” OR “SUNLIGHT RESISTANT” for cable that meets the requirements of Clause 6.5.

Cables meeting the requirements of Clause 6.1.3 may be optionally marked “FT4-ST1”.

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**CUSTOMERS PLEASE NOTE:** This Table and column “Verdict” can be used in determining how your current or future production is or will be in compliance with new/revised requirements.

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