

## STANDARD INFORMATION

**Standard Number:** UL 1651  
**Standard Name:** Optical Fiber Cable  
**Standard Edition and Issue Date:** 4<sup>th</sup> Edition Dated May 15, 2015  
**Date of Revision:** May 3, 2018  
**Date of Previous Revision of Standard:** August 8, 2015

## EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

**Effective Date:** **December 5, 2019**

## IMPACT, OVERVIEW, AND ACTION REQUIRED

**Impact Statement:** A review of all Listing Reports is necessary to determine which products comply with new/revised 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requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.

**Overview of Changes:** addition of New Suffixes HF and LSHF. Specific details of new/revised 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/revised paragraphs noted in the attached or explain why these new/revised 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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.***



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CLAUSE	VERDICT	COMMENT
<i>Additions to existing requirements are underlined and deletions are shown lined out below.</i>		
12	Info	<p><b><del>Section Deleted;</del></b></p> <p><b>Limited Combustible</b></p>
12.1		<p><del>Type OFNP or OFCP plenum cable that is marked as in 15.1(c) to indicate limited combustible, shall comply with the requirements in NFPA 90A when tested in accordance with the Standard Test Method for Potential Heat of Building Materials, NFPA 259, and the Standard for Test for Surface Burning Characteristics of Building Materials, UL 723 (NFPA 255).</del></p>
15	Info	<p><b>Information on or in the Cable</b></p> <p>The following information shall appear at the intervals indicated in 13.1 throughout the entire length of the finished cable. Except for (a), the sequence of items is not specified. Other information, where added, shall not confuse or mislead and shall not conflict with these requirements. See 18.1 for date marking.</p> <p><del>e) The designation "Limited Combustible" for Type OFNP or OFCP plenum cable that complies with the requirements in 12.1. This marking is not required.</del></p> <p>e) For OFN, OFC, OFNG and OFCG cables, the designation "<u>LS</u>" "<u>ST-1</u>" (signifying "limited smoke") for cables that comply with the fire and smoke requirements in the Standard for Vertical-Tray Fire-Propagation and Smoke-Release Test for Electrical and Optical-Fiber Cables, UL 1685. This marking is not required.</p> <p>f) <u>The "HF" suffix to designate cable where all of the combustible materials used in the construction (e.g., insulation, fillers, jackets) are halogen-free in accordance with the "Outline of Investigation for Acid Gas, Acidity and Conductivity of Combusted Materials and Assessment of Halogens," UL 2885. This marking is not required.</u></p> <p>g) <u>The "LSHF" suffix to designate the cable that meets the "-HF" requirements and also complies with the requirements for low smoke when tested in accordance with IEC 61034-2, "Measurement of Smoke Density of Cables Burning Under Defined Conditions – Part 2: Test Procedure and Requirements". This marking is not required.</u></p>
<p><b>CUSTOMERS PLEASE NOTE:</b> 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.</p>		