



Subjects 13, 444, 1424, 1425, 1655, 1651, 1690, 2250 and 2261
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January 4, 2010

TO: Subscribers to UL's Certification Services for:

Communications Cable (DUZX / DUZX7)
Communications Cable Verified to UL Performance Category Program (DUZX)
Data Transmission Cable Verified in Accordance With National or International Specifications (DVBI)
Community Antenna Television Cable (DVCS)
Data Processing Cable (EMRB)
Non-Power-Limited Fire-Alarm Cable (HNHT)
Power-Limited Fire-Alarm Cable (HNIR / HNIR7)
Instrumentation Tray Cable (NYTT)
Network Powered Broadband Communications Cable (PWIP)
Optical Fiber Cable (QAYK / QAYK7)
Power Limited Circuit Cable (QPTZ)
Plenum Cable Compounds (QMTM2)

SUBJECT: UL's Mark Integrity Program for Telecommunications Cables

The purpose of this bulletin is to inform UL Subscribers about proposed additional requirements affecting the Mark Integrity (Follow-Up) Programs for the above product categories. The proposed changes being introduced into the Follow-Up Programs are part of a continuous improvement process, to assure the ongoing effectiveness of these Programs. The proposed implementation timeframe for each new requirement is provided in the details below.

To introduce the changes to Industry, UL has scheduled and will host the following Forums:

North America:

Date/Time: January 19, 2010 2PM

Place: Rosen Shingle
9939 Universal Blvd
Orlando Florida 32819
1 (866) 996-9939

China:

Date/Time: January 25, 2010 9AM

Place: Richwood Garden Hotel
Dabandi District, No. 107 (S358) National Road
Humen, Dongguan, Guangdong China

January 27, 2010 9AM

Holiday Inn Jasmine Suzhou Hotel
Shilo Business District 345 Changxu Road,
Suzhou, China

The purpose of these forums is to discuss with Industry members the proposed changes to the Programs described below and to seek feedback such as any basic objections, or concerns that may not have been anticipated.

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I. Holographic Listing Marks and July 1, 2010 Effective Date

In order to enhance the integrity of the UL Mark, UL will be suggesting a Holographic Label requirement for the Safety Certification and Performance Verification categories shown above. This requirement will become effective July 1, 2010.

A separate communication will be released by UL providing Subscribers with details related to the UL Mark format, label ordering process, and lead times for Subscribers to deplete their current UL Mark inventories.

As part of this requirement, one option that will be discussed at the forums will be the use of unique Holographic Labels for Plenum, Riser, Vertical Tray, and General Purpose type cables for each CCN.

The introduction of a Holographic Label requirement will mean that Subscribers will no longer be authorized to computer generate UL Listing Marks at their factory or order UL Listing Marks from any UL authorized supplier of labels. Standard Holographic Labels will be available from UL in several of the above product categories in the more popular denominations. The ordering of nondenominational labels from UL will need to be considered on a case-by-case basis. If interested in nondenominational labels, Subscribers will need to contact their local UL Label Center. Subscribers will also be able to order Combination (custom) labels printed on holographic label material, through UL's vendor of Holographic Labels after a successful review and approval of the label artwork by one of UL's Label Centers.

The LAN Performance Verification Services under DUZX and DVBI will also be included in this Holographic Labeling requirement due to the intended end-use of these products, the construction similarities and the fact that Listing and Verification Follow-Up Service Procedures cross-reference each other.

II. Establishment of "Family Groups", New Analytical Program for Riser and Vertical Tray Cables, Updated Analytical program for Plenum Cables – Effective January 2, 2012

For all cable products in the above Safety Certification categories, a formal UL Industry File Review will be initiated.

The following will need to be completed by January 2, 2012:

- a) "Family groupings" of insulation / jacket materials will need to be assigned for Plenum, Riser, and Vertical Tray cables. UL will work with the subscribers to assign these families. This will also provide an opportunity for subscribers to delete any obsolete constructions.
- b) All active Riser and Vertical Tray cable constructions will have their insulations and jackets "fingerprinted" via analytical testing on the extruded product. A complete analytical fingerprint will be performed. Once fingerprinted as part of this process, the reference spectrum will be identified in the cable Procedure's appendix pages and serve as the basis for comparison under Follow-Up Service Testing.
- c) For Riser Cables, representative samples will be selected from each of the family groups and subjected to the large-scale flame test for Riser cables described in UL1666.
- d) If samples are not available from a particular family, the constructions covered under the family will be on hold until samples can be selected and tested (fingerprinted).

If there are test failures in the annual Riser or Vertical Tray cable tests performed as part of current FUS Testing, it will be required to submit all Riser and Vertical Tray cable constructions for fingerprinting effective immediately. UL's rationale for this approach is that the flame test performed under FUS is an annual and random countercheck of the Manufacturer's compliance. Manufacturer's who demonstrate control of their manufacturing process and raw materials will be provided with the lead-time to have their products fingerprinted. Manufacturers whose products are nonconforming in this critical fire test will be subject to this immediate implementation timeframe to assure the compliance of their Riser and Vertical Tray cable product lines.

A separate UL Standards communication will be released by UL providing Subscribers with details related to the product submittal timeline.

Effective Upon the Adoption of the Program –

For any new Plenum, Riser or Vertical Tray cable New Work Projects, the finished cable will be subjected to a complete analytical fingerprint. Once fingerprinted, the reference spectrum will be identified in the cable Procedure's appendix pages and serve as the basis for comparison under FUS.

After January 2, 2012

In addition to the sample selections currently required,

- a) A three-foot (one meter) sample of extruded riser, plenum or vertical tray cable will be required during each of the routine visits by the UL Field Representative. The selections shall not exceed a maximum of four of each type of cable every six months. The samples will be subjected to the complete analytical test program. The sample selections shall be rotated such that samples from each family are selected over an acceptable period of time.
- b) If within one year, samples for the large scale flame testing are not available from a particular family, the UL Field Representative will be notified to contact the factory so that the entire family will be on hold until samples from the family can be selected and tested with acceptable results.
- c) If during the UL FUS program, the materials used in the insulation or jackets do not compare to the material that was initially fingerprinted, the UL Field Representative will be notified to contact the factory so that the entire family will be on hold until samples from the family can be selected and tested with acceptable results. A sample of the cable will be required for the large-scale flame testing as well as any other FUS tests deemed necessary. If the material compares, then no further testing would be required.

III. UL Market Survey Program and July 1, 2010 Effective Date for UL Subscribers to Register Names of Their Distributors / Customers

Market Surveys are currently an integral part of UL's Follow-Up Programs for Safety Certification and LAN Verification Services. UL staff purchase UL labeled products from Retailers or Distributors to assure the ongoing compliance of UL Labeled products in the field. The Market Survey will become a permanent element of the Follow-Up Programs for the above categories.

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As a condition for maintaining UL Listing, Subscribers will have to register their distributor(s) / customer(s) with UL by July 1, 2010. This information will be kept confidential, accessible only to UL and the Subscriber, details to follow.

Once this distributor / customer information is provided, UL will have access to telecom cable products manufactured by all Listees in these categories. This will facilitate sampling of the entire telecom cable client base. The Market Survey will be conducted by UL on an ongoing basis (as opposed to a fixed frequency). Each of our purchases from distribution will sample a much broader cross-section of the client base and rely primarily on analytical testing to predict the fire / smoke performance of finished cables.

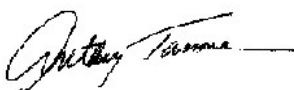
The jacket and insulation materials of purchased cables would be subject to analytical testing (and other means necessary) to identify material composition consistent with cable fire / smoke performance requirements. Any cable exhibiting jacket or insulation composition inconsistent with performance requirements, would be purchased from the distributor as part of a Field Report and subjected to large scale fire testing, as well as any other Follow-Up Tests deemed necessary. If acceptable test results are obtained, no further action would be required.

If unacceptable results are obtained, the UL Field Representative will be notified to visit the factory and place the entire family of cables on hold. After acceptable corrective action was put into place, the manufacturer will need to provide samples for the large-scale flame testing as well as any other tests deemed necessary. If acceptable results are obtained future shipment of the family of cables will be permitted.

The costs for these tests will be billed back to the Applicant.

Any questions regarding the above can be directed to the undersigned. Thank you for your cooperation with our Follow-Up Services Program.

UNDERWRITERS LABORATORIES INC.



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