



February 20, 2015

TO: Subscribers to UL's Certification Services for Wire and Cable

SUBJECT: Halogen Free (HF) and Low Smoke Halogen Free (LSHF) Service Offerings  
for Wire and Cable

This bulletin announces two new certification service offerings for the Wire and Cable industry. These offerings consist of the optional use of “-HF” or “-LSHF” in the surface printing of the wire and cable when the cable has been evaluated to the appropriate requirements. The testing for this optional marking is based on the IEC 62821 series of Standards.

### **Halogen Free “-HF” Suffix**

UL Certified wires and cables are eligible to bear the optional “-HF” suffix in the surface print following the product name when it has been determined that all of the combustible materials used in the construction of the cable, i.e. insulation, fillers, jackets, etc., are Halogen Free in accordance with the Outline for Acid Gas, Acidity and Conductivity of Combusted Materials and Assessment of Halogens, UL 2885. The construction of these cables will be specifically described in your Follow-Up Services Procedure and the materials will be verified by the UL Field Representative.

Materials meeting these requirements are covered in UL's Recognition categories: “Acid Gas, Acidity and Conductivity of Combusted Materials and Assessment of Halogens”, AATJ2, “Polymeric Materials for Use in Wire, Cable and Flexible Lighting Products, QMTT2, Polymeric Materials for Use in Appliance Wiring Material”, QMTN2, or “Plenum Cable Compounds”, QMTM2.

If you are interested in using the “-HF” suffix but the materials used are not covered under this program, you can request your compound/component supplier to obtain UL Recognition under the above categories as applicable, or you may request to have the materials used in your cables evaluated in accordance with the requirements of the program.

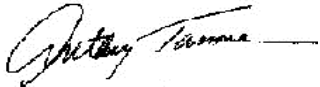
### **Low Smoke Halogen Free “-LSHF” Suffix**

UL Certified wires and cables are eligible to bear the optional “-LSHF” suffix in the surface print when it has been determined that all of the combustible materials used in the construction of the cable are Halogen Free as noted above and the cables also comply with the requirements for low smoke when tested in accordance with IEC 61034-2, International Standard for the Measurement of Smoke Density of Cables under Defined Conditions. The construction of these cables will be specifically described in your Follow-Up Services Procedure which will be verified by the UL Field Representative.

In addition to the FUS requirements established for the existing wire and cable category, wire and cables authorized to bear the “-LSHF” suffix will also be subjected to the IEC 61034-2 smoke test noted above on an annual basis.

If you are interested in submitting your cables or have any questions regarding this bulletin, please feel free to contact your local UL Representative.

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