



Standards Update Notice

UL 758 2nd Edition Revised December 11, 2009

FOR INTERNAL USE ONLY

Standard Information

ADDENDUM DATED NOVEMBER 15, 2010 – REVISIONS TO UL 758 on July 15, 2010 Extends the Effective date from October 1, 2014 to October 1, 2015. NO OTHER CHANGES.

Standard Name: Appliance Wiring Material

Standard Number: UL 758

Date of Revisions: Aug 4 and Dec 11, 2009

SSQ Category: G1

Industry Affected: Cabling/wiring products.

Project Timeline:

Client Notification	Sales Follow-Up	Quote Deadline	Effective Date
March 29, 2010	April 16, 2010	January 3, 2014	October 1, 2015

Description of Changes

Impact Statement: A review of all Listing Reports is necessary to determine which products already comply with these new/revised requirements and which products will require re-evaluation and test.

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requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on the **Effective Date of October 1, 2015** unless product is found to comply with the new/revised requirements.

Summary of Changes: Various changes to different types of wires and different style numbers. Initial review will be with information provided by the client and updates to the Style pages. Following initial review samples will be determined and required for additional testing in some cases.

Details of Changes:

The following is a brief summary of the new and revised paragraphs in the Standard for Appliance Wiring Material, UL 758 that may require action on your part, or have a future effective date and the action that may be required to determine compliance/maintain certification.

Clause	General Subject and Comment	Information/Samples Required
5.1.1, 48.2d	The DC resistance of a tinsel conductor shall be measured and the construction of	Provide method of placing this information on tag, reel if required.



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	the tinsel conductor as well as the DC resistance shall be placed on the facing page. The DC Resistance value shall be placed on the tag, reel or carton markings by the manufacturer.	
8.4, Table 8.2	AWM styles with a nylon covering will need to be reviewed for compliance with the new requirement. If testing to the Flexibility at Room Temperature After Aging Test in the Standard for Thermoplastic-Insulated Wires and Cables, UL 83 or the Flexing Test of Nylon Jacket on Types TFN and TFFN in the Standard for Fixture Wire, UL 66 has not been conducted on representative samples, testing will be required.	Wires with nylon covering will need to be reviewed to see if appropriate testing has been done.
8.4	AWM styles that contain an extruded covering as the outermost layer will need to be reviewed for compliance with the new requirement. If this covering has not been evaluated as a jacket, testing will be required.	Wires with Extruded Covering will need to be reviewed.
13.3.3 (new)	Styles with a use statement of 'external interconnection' that have a jacket thickness less than specified in Tables 13.1 – 13.3 will need to be evaluated to the requirements in 13.3.3. Styles such as 1965 are effected by this requirement	Styles as noted will need additional information and review.
18.1	Copper and copper clad conductors shall be subjected to the copper corrosion test or they shall not be deemed suitable for use. All styles rated 200C or less which typically use copper or copper clad conductors will be subject to this requirement.	All styles rated less than 200C and have copper will have additional testing.
19.1 and Table 19.1	Fluoropolymers rated less than 125C shall be subjected to the deformation test. Styles such as 10051 will be subjected to this requirement. The requirements for deformation of FRPE, nylon, THV and TPU	Wiring rated less than 125C and of certain materials will need additional review.



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Clause	General Subject and Comment	Information/Samples Required
	are now defined. Styles using these materials will need to be subjected to the deformation test.	
26.1	Most AWM styles are not required to be surface printed. However, if a wire is surface printed, it must meet the durability of ink-print test. For those styles such as 3239 that are required to be surface printed, verification that the surface print test was performed will be required, or the test will need to be performed.	Surface printed wiring will need more information about method.
22.1, 48.2b	AWM may be optionally marked with a low temperature rating. Manufacturers wishing to have this marking may contact Customer Service to initiate a project.	New test available if requested.
34.1, 35.1	The requirements for fluoropolymers with a wet rating were not defined. New requirements have been proposed and accepted. Previously established styles such as 10033 may be affected. These styles will need to be reviewed for compliance with the new requirements	Fluoropolymers with a wet rating need to be reviewed.
48.2e	All manufacturers using a conductor material other than minimum 97% IACS copper or 61% IACS aluminum must mark the conductor material on the tag, reel or carton.	Conductor material review.
Table 7.1	Tensile and Elongation requirements for EPDM rated 125C and FRPE rated 90C have been published. Styles such as 4345 (EPDM) and 10507 (FRPE) will need to be evaluated to determine that the materials used comply with these requirements.	New tensile and elongation requirements for some type wires.
Table 13.1	Jacket thicknesses for cables used for external interconnection have been defined. Jackets used on cables must meet these specifications unless the cable has been	Additional thickness requirements unless crush test has been done.



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	subjected to a crush test.	

Opportunities

This info is provided for Sales in projecting shift and revenue estimates.

For Each Report of Each Client	Estimated Time	Estimated Revenue
File Review	8 hours	\$1800
Potential Engineering Evaluation of Client Responses, Data Sheets, etc.	16 hours	\$3600
Potential Testing	2 days	\$3600
Report Revisions	8 hours	\$1800
Estimated Revenue per Project		\$10800

NOTICE:
 These estimates are for internal reference only. You must contact your local engineering office before issuing quotes to clients.

Number of Clients affected: 1

(Note1 – This info is requested/obtained from Joanne Nutting/Barb Fritts)

(Note2 – Some clients have several listing reports)

Minimum Revenue Opportunity: \$
(If only file reviews and report revisions are necessary for all clients)

Maximum Revenue Opportunity: \$
(If __ full days of testing are necessary for all clients)

(Total Revenue Opportunity = Estimated Revenue per Project × Number of Listees affected)