

STANDARD INFORMATION

Standard: UL 758

Standard ID: Appliance Wiring Material [UL 758:2014 Ed.3+R:20Jan2022]

Previous Standard ID: Appliance Wiring Material [UL 758:2014 Ed.3+R:19Oct2021]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **June 20, 2024**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard. Reports not updated to this version by the effective date above will be withdrawn.

Overview of Changes:

- Addition of Halogen Free (HF) or Low-Smoke Halogen Free (LSHF) Wire
- Insulation Resistance Test Time, Revised

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

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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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 |
|--------|---------|--|
| | | <i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined-out below.</i> |
| 35 | Info | Short Term Insulation-Resistance Test in Water at Room Temperature (Wet Rated AWM) |
| 35.1 | | The finished insulated conductor (any jacket, shield, and covering removed) shall have an insulation resistance value of greater than or equal to 2.5 megohms based on 1000 feet (0.75 megohm based on one kilometer) of conductor. The PTFE and ETFE insulation shall result in the full range of sizes of finished wire having an insulation resistance not less than 1000 megohms based on 1000 conductor feet or 304 megohms based on a conductor kilometer. The test is to be conducted in accordance with the test Short-term insulation resistance, Method 1 in Insulation-Resistance Test in Water, Section 920, of UL 1581 <u>the Standard for Wire and Cable Test Methods, UL 2556</u> . The immersion time shall be 6 hours or longer. |
| 51 | Info | Markings on Tag, Reel, or Carton |
| 51.2 | | Markings on the tag, reel, or carton shall contain the following elements: o) <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.</u> p) <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".</u> |