

STANDARD INFORMATION

Standard: UL 758

Standard ID: Appliance Wiring Material [UL 758:2014 Ed.3+R:17Apr2020]

Previous Standard ID: Appliance Wiring Material [UL 758:2014 Ed.3+R:29Apr2019]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **April 17, 2022**

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.

Overview of Changes:

- Revised requirements for small strands
- Revised requirements for silver coated conductors
- New table for requirements for high voltage DC wire using non-extruded insulation

Specific details of new/revise 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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>

	Info	CONSTRUCTION
3	Info	General

New table added;

Table 3.6A **High voltage* DC wire with other-than-extruded insulation**

See standard for details.

5	Info	Conductor
---	------	------------------

Conductor – metal specifications

Table 5.3

Conductor metal	ASTM reference for the metal	Temperature limit for the metal, °C (°F)	Other limits
Copper alloy, hard-drawn, diameter of each strand or thickness of rectangular or tubular conductor less than 0.015 inch (0.38 mm)	ANSI/ASTM B 105	150 (302)	May be uncoated or provided with a tin, or lead-base-alloy coating. <u>Uncoated or tin-coated conductors smaller than 0.015 inch (0.38 mm) meet the tensile strength and elongation requirements for 20 AWG conductors shown in ASTM B 105.</u>
<u>Copper alloy, hard-drawn, silver coated, diameter of each strand less than 0.032 inch (0.81 mm)</u>	=	<u>200 (392)</u>	May contain no more than 0.7% silver. <u>Conductors smaller than 0.032 inch (0.81 mm) meet the tensile strength and elongation requirements for 0.032 inch (0.81 mm) conductors shown in ASTM B 105. Minimum 80% IACS.</u>
<u>Copper alloy, hard-drawn, silver coated</u>	ANSI/ASTM B 105	<u>200 (392)</u>	<u>Must be silver coated. Minimum 80% IACS.</u>