IEC 60332-1 and IEC 60332-2 (*IEC/TS 60695-11-21)

Flame Testing and Certification for Appliance Wiring Material (AWM)

Taking effect in 2019, IEC/EN 62368-1 (Audio/Video, Information and Communication Technology Equipment) will replace both IEC/EN 60950-1 (Information Technology Equipment) and IEC/EN 60065 (Audio, Video, and Similar Electronic Apparatus). At that time, compliance of all internal/external wiring with the flammability rating of IEC 60332-1 (for Appliance Wiring Material with 20 AWG or larger conductors) and IEC 60332-2 (for Appliance Wiring Material smaller than 20 AWG) will become a requirement within the IEC/EN 62368-1 standard.

The flammability ratings of IEC 60332-1 and IEC 60332-2 have already been incorporated into chapters 45 and 46 of the latest edition of UL 758 for Appliance Wiring Material (AWM). Manufacturers of AWM can submit their products to determine compliance with IEC 60332 flammability requirements. Upon successful completion of testing, the IEC flame rating will be shown on the Facing Page of the UL test report.

The addition of the IEC 60332-1 and IEC 60332-2 flammability tests enables high tech manufacturers to source Recognized Component wiring that meets the criteria of both IEC and UL Standards for AWM. Manufacturers striving to expand their global customer base can have IEC 60332-1 and IEC 60332-2 flammability ratings added into their UL AWM file through a new work project submittal. End-product manufacturers of IEC/EN 62368-1 can easily find the AWM products that comply with both IEC/EN and UL standards. This will enable AWM manufacturers to expand their global reach.

Copartner Tech Corporation is the first UL client to successfully complete this test program, and is now authorized to surface print the IEC 60332-1 and IEC 60332-2 flammability ratings onto their AWM products. Please refer to UL's Online Certifications Directory (www.ul.com/database) and Copartner's website (http://www.copartner.com.tw) for details.

(For both internal and external wiring, the test method described in IEC/TS 60695-11-21 may be used instead of the test methods in IEC 60332-1-2, IEC 60332-1-3 or IEC 60332-2-2.)*

Program Benefits

The primary program benefits include:

- Gain global market access through compliance with both IEC/EN and UL Standards

- Clear differentiation in a highly competitive market

- Available option to integrate with other global testing and certification requirements under UL's one-stop solution service

- Ensure compliance and reduce liability and risk to all stakeholders in the supply chain

- Gain recognition through UL's trusted flammability testing service

- Quick turn-around time of test report

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