

UNDERWRITERS LABORATORIES INC. CERTIFICATION REQUIREMENT DECISION

This Certification Requirement Decision is prepared by UL LLC. It is normative for the applicable UL Product Certification Program(s); however, it is currently not part of the UL Standard(s) referenced below.

Product Category (CCN): AVL2
Standard Number: UL 758
Standard Title: Standard for Appliance Wiring Material
Edition Date: May 2, 2014
Edition Number: 3
Section / Paragraph Reference: 45.3
Subject: Size for IEC 60332-1 flame test

DECISION:

45.3 The IEC 60332-1-1, IEC 60332-1-2, and IEC 60332-1-3 flame tests typically apply to the complete finished wire or cable in gauge sizes 20 AWG (0.5 mm²) or greater, however, smaller conductor sizes are not prohibited from being evaluated to the requirements of this test. Insulated conductors in a finished cable are not determined to comply with the IEC 60332-1-1, IEC 60332-1-2, and IEC 60332-1-3 flame tests unless specifically noted on the tag markings.

RATIONALE FOR DECISION:

The IEC 60332-1 series of standards typically applies to cables and conductors larger than 20 AWG. However, there are some constructions using conductors smaller than 20 AWG that can comply with the requirements of this test. Therefore, requiring that only 20 AWG and larger be allowed to be subjected to this test is overly restrictive. This revision proposes to allow any size that will pass this test to be eligible to bear the marking.

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