



# EN-	007-0225
NAME:	John Palahnuk
REV:	NC

Engineering Note

**SUBJECT: CICOIL CABLE MEETS UL 94V-0**

## CICOIL CABLE TESTED TO UL-94V-0

### TEST REPORT

<b>In Account With:</b> CICOIL 24960 Avenue Tibbitts Valencia, CA 91355  <b>Attn: John Palahnuk</b>	<b>Date</b> October 19, 2006	Page 1 of 3 Pages
	<b>W.O. Number</b> 33408	<b>Specification</b> UL 94V-0
	<b>P.O.No.</b> 20283	<b>Received</b> 10-19-06

**IDENTIFICATION** : One (1) cable sample was submitted for "Flammability" testing in accordance with UL 94V-0 and the customer specified requirements. The sample was identified by the customer as follows:

<u>Test Specimen ID</u>	<u>Material Source For Silicone Rubber</u>	<u>Material Source For Parylene Conformal Coating</u>
466M110	Cicoil (24960 Ave Tibbetts, CA 91355)	Type N - Advanced Coating (10723 Edison Court, Cucamonga, CA 91730)

**SPECIFICATION** : UL 94V-0.

**REFERENCE** : Purchase Order Number 20283.

**TESTING** : Flammability.

**SUMMARY** : The specimens meet the applicable specified requirements of UL 94V-0, Flammability testing, as tested herein.

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### FLAMMABILITY

REQUIREMENT : UL 94, Paragraph 3.2, Materials Classed 94V-0.

A material classed 94V-0 shall, (also see paragraph 3.5):

- A) Not have any specimens that burn with flaming combustion for more than 10 seconds after either application of the test flame.
- B) Not have a total flaming combustion time exceeding 50 seconds for the 10 flame applications for each set of five specimens.
- C) Not have any specimens that burn with flaming or glowing combustion up to the holding clamp.
- D) Not have any specimens that drip flaming particles than ignite the dry absorbent surgical cotton located 12 inches below the test specimen.
- E) Not have any specimens with glowing combustion that persists for more than 30 seconds after the second removal of the test flame.

TEST METHOD : Five (5) test specimens were cut from the cable and prepared for testing, (as received condition only).

The specimens were supported from the upper  $\frac{1}{4}$  inch, (with the longitudinal axis vertical), by a clamp on the ring stand so the lower end of the specimen was  $\frac{3}{8}$  inch above the top of the burner tube and 12 inches above the horizontal layer of dry surgical cotton. The burner was then ignited (remote from the test specimen), and adjusted to produce a blue flame  $\frac{3}{4}$  inch high. The test flame was placed centrally under the lower end of the test specimen and allowed to remain for 10 seconds. The test flame was then withdrawn at least 6 inches away and the duration of flaming of the specimen was noted. When flaming of the specimens ceased, the test flame was immediately placed again under the specimen. After 10 seconds, the test flame was again withdrawn. The duration of the flaming and glowing was noted.



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RESULTS : Flammability test results are as follows:

<u>Specimen</u>	<u>Duration Of Flaming After 1<sup>st</sup> Flame Application Seconds</u>	<u>Duration Of Flaming After 2<sup>nd</sup> Flame Application Seconds</u>	<u>Duration Of Glowing After 2<sup>nd</sup> Flame Application Seconds</u>	<u>Results</u>
1	0	1	0	Pass
2	0	0	0	Pass
3	1	0	0	Pass
4	0	1	0	Pass
5	2	0	0	Pass
Average:	1	0	0	

Total Flaming Time: 5                      Pass  
Requirement : 50 Maximum

REMARKS : The test results meet the applicable specified requirements of UL 94V-0.

Please contact CICOIL for more information.



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