

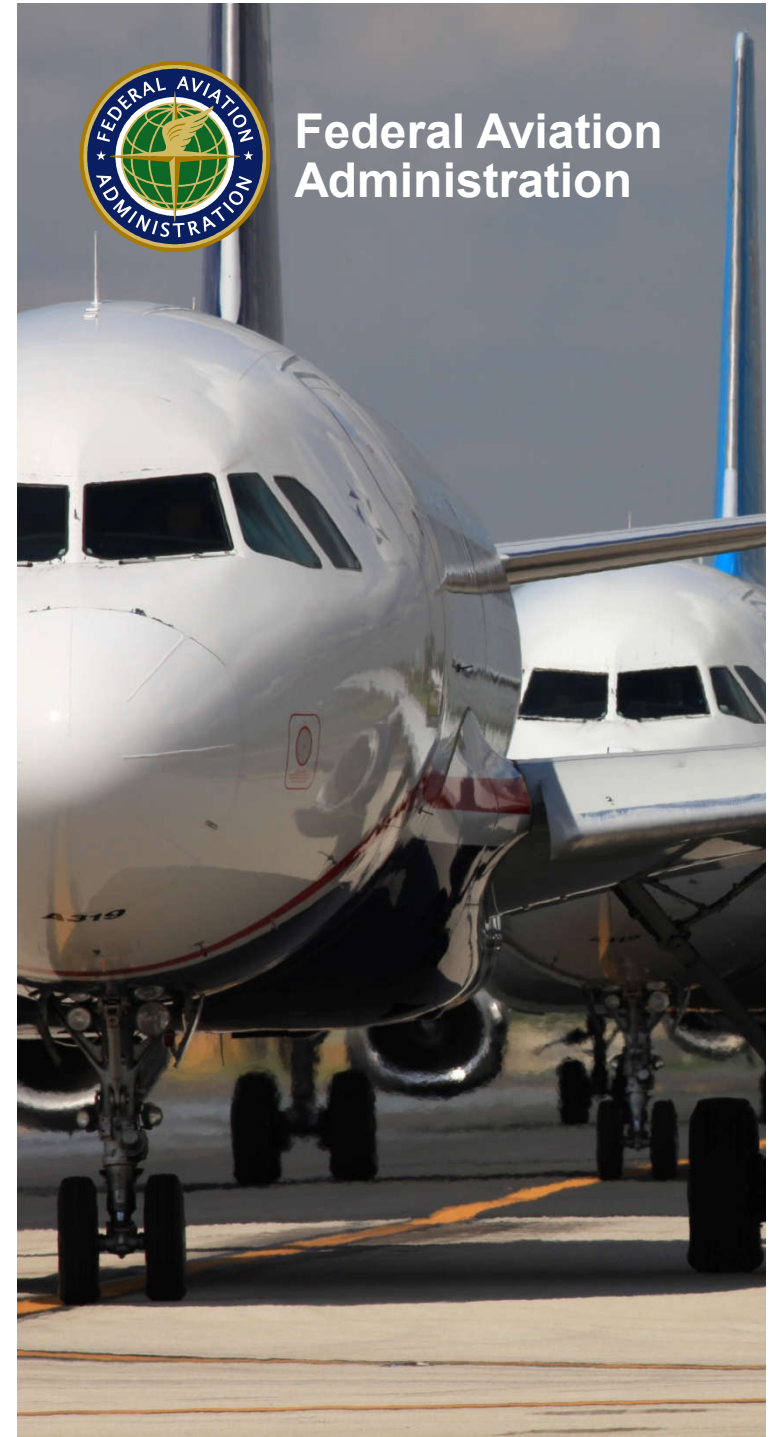
FAA Specification for L-823 Plug and Receptacle, Cable Connectors

Pending Revisions Highlights to AC No.
150/5345-26

IESALC 2018 Fall Meeting

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The AC incorporates the following principal changes:

1. Added a test for chemical resistance in paragraph 4.2.8 to compliment requirement in paragraph 3.4.2:

“4.2.8 Housing

Expose the material to the specified chemicals (not submersion) for a period of 20 days at the specified maximum temperature.”

2. Added reference for requirements for cable used with Class A connectors to paragraph 3.4.4.1

“ 3.4.4.1 Class A ... Primary connectors must meet requirements of ICEA S-96-659/NEMA WC 71, *Standard for Non-Shielded Cables Rated 2001-5000 Volts for use in the Distribution of Electrical Energy*, ...Secondary connectors must meet requirements of ICEA S-96-658/NEMA WC 70, *Standard for Non-Shielded Cables Rated 2001-5000 Volts for use in the Distribution of Electrical Energy*”



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Principal Changes Continued...

3. Corrected language for Weather Test. Existing language:

Pending language:

“4.2.6 Weathering Test.

Following is the corrected paragraph: “Slabs of connector housing material and sample pairs of connectors must be subjected to simulated sunlight by conditioning with xenon-arc radiation for 720 hours as per Section 1200.1 of UL 1581. The conditioned and unconditioned slabs of connector housing material must then be evaluated to Section 1200.15 of UL 1581 in accordance with the procedure found in UL 2556. Failure of the material test slab samples to meet the ratio requirements of section 1200.15 of UL 1581 must be cause for rejection. Cracking of the sample connectors must also be cause for rejection.

Additionally, slabs of connector housing material and sample pairs of connectors must be exposed to ozone per ASTM D1149-16 with 50 parts per hundred million (ppm) ozone, 38C, 20 percent sample extension (procedure B1 static strain), and 100 hours exposure. Cracking of the connectors, or test slabs as a result of the ozone exposure cause for rejection.”



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Questions

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