

MIL-W-87161  
Amendment 3  
30 October 1987  
SUPERSEDING  
AMENDMENT 2  
18 January 1985

MILITARY SPECIFICATION

WIRE STRAND, NONFLEXIBLE, FOR AIRCRAFT CONTROL

This amendment forms a part of MIL-W-87161, dated 6 September 1982, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 1

1.1, Add "Application limitations are discussed in 6.1.1."

Beneficial comments, change address to read "San Antonio ALC/MMIRAD, Kelly AFB, TX 78241-5000,"

PAGE 2

2.2, Delete reference to ASTM B 246.

PAGE 3

3.2.3, Second line, delete "and 3.2.3.2".

3.2.3.2, Delete.

3.2.4, Third sentence, delete.

PAGE 5

Table I, column 4 heading: Add "(see 4.5.8)".

Table I, delete column 5 "construction".

PAGE 6

3.4.3, First line, delete "tin or".

3.4.5, First line, delete "80" and substitute "85".

3.5.1, Line 6, end of sentence: Add: "(see 5.3.1)".

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PAGE 7

4.3.1.1, Delete and substitute:

"4.3.1.1 Sample sizes. Each size, type, and composition for which qualification is desired shall be tested."

PAGE 8

Table II, TESTS column, first line, delete "Tin or" and substitute "Weight of".

Table II, REQUIREMENT PARA column, first line, delete "-3.2.3.2".

PAGE 9

4.4.3, Line 8, delete "Weight of tin or zinc coating, composition A (4.5.7)" and substitute "Weight of zinc coating, composition A (4.5.7)".

PAGE 10

4.5.3, Second line, delete "4.2.1" and substitute "4.4.2.3".

4.5.3, Sixth sentence, delete and substitute "While the specimen is under tension, a gauge length not less than 10 inches should be marked on the wire strand between the end fittings of the testing specimen".

4.5.3, Formula, delete and substitute as follows:

"Percent stretch =  $\frac{\text{Elongation of gauge length under load} \times 100}{\text{Original gauge length}} \leq 1.0\%$ ".

4.5.3, Last sentence, delete.

Page 11

4.5.5, Lines 1, 4 and 5 delete "tin or".

4.5.7, Title, delete "tin or".

4.5.7, Last sentence, delete.

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PAGE 15

Delete paragraph 6.1 and replace with:

"6.1, Intended use. The wire strand covered by this specification is intended for use in aircraft control systems applications where high resistance is needed against corrosion and abrasion. Wire strand to this specification should not be used for applications subject to bending fatigue."

PAGE 16

6.4, Change address to read "San Antonio ALC/MMIRAD, Kelly AFB, TX 78241-5000,"

Custodians:  
Army - AV  
Navy - AS  
Air Force - 99

Review activities:  
Air Force - 11  
DLA - IS

Preparing activity:  
Air Force - 82

Agent:  
DLA - IS

(Project 4010-0179)