



AEROSPACE MATERIAL SPECIFICATION

AMS4725™**REV. F**

Issued	1947-12
Revised	2007-02
Reaffirmed	2012-05
Stabilized	2018-01

Superseding AMS4725 E

Copper-Beryllium Alloy Wire

98Cu - 1.9Be

Solution Heat Treated

(Composition similar to UNS C17200)

RATIONALE

AMS4725F stabilizes this document because it is no longer state of the art and other documents contain similar but not necessarily equivalent requirements.

STABILIZED NOTICE

AMS4725F has been declared "STABILIZED" by SAE AMS Committee D Nonferrous Alloys. This document was stabilized because this document contains mature technology that is not expected to change and thus no further revisions are anticipated. Previously this document was reaffirmed. The last technical update of this document occurred in February, 2007. Users of this document should refer to the cognizant engineering organization for disposition of any issues with reports/certifications to this specification; including exceptions listed on the certification.

NOTE: In many cases, the purchaser may represent a sub tier supplier and not the cognizant engineering organization.

AMS Committee D recommends that the following similar but not identical specifications be used for the "STABILIZED" specification.

ASTM B 197, C17200, Temper TB00

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1. SCOPE

1.1 Form

This specification covers one type of copper-beryllium alloy in the form of wire.

1.2 Application

Primarily for parts requiring high strength with good electrical conductivity or lack of magnetic susceptibility.

2. APPLICABLE DOCUMENTS

The issue of the following documents in effect on the date of the purchase order forms a part of this specification to the extent specified herein. The supplier may work to a subsequent revision of a document unless a specific document issue is specified. When the referenced document has been cancelled and no superseding document has been specified, the last published issue of that document shall apply.

2.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), www.sae.org.

AMS 2224 Tolerances, Copper and Copper Alloy Wire

2.2 ASTM PublicationS

Available from ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959, Tel: 610-832-9585, www.astm.org.

ASTM B 250/B 250M	General Requirements for Wrought Copper-Alloy Wire
ASTM E 8	Tension Testing of Metallic Materials
ASTM E 106	Chemical Analysis of Copper-Beryllium Alloys
ASTM E 478	Chemical Analysis of Copper Alloys