

**SAE-AMS3814/12**

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SAE-AMS3814/12, "Cord, Coreless, Para-Aramid Intermediate Modulus 6500 lb (28 915 N), 50 perl b (35 m/kg)", was adopted on 31-AUG-95 for use by the Department of Defense (DoD). Proposed changes by DoD activities must be submitted to the DoD Adopting Activity: Commander, Defense Industrial Supply Center, 700 Robbins Avenue, Philadelphia, PA 19111-5096. DoD activities may obtain copies of this standard from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094. The private sector and other Government agencies may purchase copies from the Society of Automotive Engineers Inc., 400 Commonwealth Drive, Warrendale, PA 15096-0001.

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**Adopting Activities:**

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 (Project 4020-0353)

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## AEROSPACE MATERIAL SPECIFICATION

SAE AMS 3814/12

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Submitted for recognition as an American National Standard

CORD, CORELESS, PARA-ARAMID  
Intermediate Modulus  
6500 lb (28 915 N), 50 ft per lb (35 m/kg)

### 1. SCOPE:

- 1.1 Form: This specification covers one strength and weight of braided para-aramid cord.
- 1.2 Application: Primarily for use in cargo type parachutes.
- 1.3 Classification: The minimum breaking strength is 6500 lb (28 915 N) and the minimum weight is 50 ft per lb (35 m/kg).

2. APPLICABLE DOCUMENTS: See AMS 3814.

### 3. TECHNICAL REQUIREMENTS:

3.1 Basic Specification: The complete requirements for procuring the cord described herein shall consist of this document and the latest issue of the basic specification, AMS 3814.

3.2 Properties: Cord shall conform to the following requirements:

- |   |                        |
|---|------------------------|
| 3.2.1 Breaking Strength, min                    | 6500 lb (28 915 N)     |
| 3.2.2 Weight, min                               | 50 ft per lb (35 m/kg) |
| 3.2.3 Number of Carriers                        | 24                     |
| 3.2.4 Distance Between Carrier<br>Run-Offs, min | 5 ft (1.5 m)           |
| 3.2.5 Ends per Carrier                          | 1                      |

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