

INCH-POUND

A-A-52070A  
 19 AUGUST 2003  
 SUPERSEDING  
 A-A-52070  
 23 April 1990

## COMMERCIAL ITEM DESCRIPTION

## CORD, PLUMB BOB

The General Services Administration has authorized the use of this Commercial Item Description for all Federal Agencies.

1. SCOPE. This Commercial Item Description (CID) is in preference to MIL-C-43258.
2. SALIENT CHARACTERISTICS.

2.1 Description. The braided cord shall be fabricated from nylon, polyester, or flax fibers to meet the physical properties specified in table I. If fabricated from flax fibers, the cord shall have a hard polished, smooth dressed finish. The cord shall be natural white or orange in color.

TABLE I. Physical requirements for braided plumb bob cord.

Characteristics	Requirements	Test methods
Number of individual strands (carriers)	8	Visual
Direction of individual strand twists	4 strands "S" twist	Visual
	4 strands "Z" twists	Visual
Diameter, inch (min.)	3/64	6002 <u>1/</u>
Length per pound, feet (min.)	1,350	6004 <u>1/</u>
Breaking strength, pounds (min.)	36	6005 <u>1/</u>

1/ FED-STD-191 test method

2.2 Put-up. The cord shall be furnished without knots or splices in  $25 \pm 1$  yard lengths and shall be put up on pressed wood fiberboard (tempered hardboard), plastic, or wood surveyor's blocks (winders) measuring approximately 2-3/8 by 4-3/4 inches overall. Each length of cord shall be continuous throughout, shall contain no loose ends and shall be wound so that each turn and layer is free from entanglement.

Beneficial comments, recommendations, additions, deletions, clarifications, etc., and data which may improve this document should be sent to: Defense Supply Center Philadelphia, ATTN: DSCP-ITD, 700 Robbins Avenue, Philadelphia, PA 19111-5096.

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### 3. QUALITY ASSURANCE PROVISIONS

3.1 Certification. The contractor shall certify, and maintain substantiating evidence, that the product offered meets the salient characteristics and requirements of this Commercial Item Description, and that the product conforms to the producer's own drawings, specifications, standards, and quality assurance practices. The Government reserves the right to require proof of such conformance prior to first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

3.2 Quality conformance inspection. Unless otherwise specified, sampling for inspection shall be performed in accordance with MIL-STD-1916.

3.3 Visual examination. Each lot of fiber rope assemblies shall be inspected in accordance with MIL-STD-1916, inspection level II. The assemblies shall be examined for consumer type defects, as follows:

End cut, chafing, or damaged; broken or loose end or strand; unevenly braided resulting in open place, break in continuity of braid, or soft spot; finish other than specified; color other than specified; not put-up as specified.

The lot size shall be expressed in units of blocks (winders), and the sample unit shall be one block (winder). The inspection level shall be II.

3.4 Dimensional examination. The finished cord shall be measured for the dimensions specified in table I. The lot size shall be expressed in units of blocks (winders), and the sample unit shall be one block (winder). The inspection level shall be S-3.

### 4. PACKAGING

4.1 Packaging. Forty-eight blocks (winders) of cord shall be unit packed in a snug fitting fiberboard box conforming to style RSC, type CF, class domestic, grade 275 of PPP-B-636. the approximate inside dimensions of the box shall be 14-1/2 inches in length, 9-1/2 inches in width, and 7-1/2 inches in depth. Approximate dimensions shall be furnished as a guide only.

4.2 Packing. One hundred ninety-two blocks (winders) of cord, unit packed as specified, shall be packed in a snug fitting RSC style corrugated fiberboard shipping container. The approximate inside dimensions of the shipping container shall be 19 inches in length, 15 inches in width and 15 inches in depth. Approximate dimensions are furnished as a guide only. Each shipping container shall be closed in accordance with ASTM D1974, Section 6, Methods of Box Closure, para. 6.2, Closure Methods for Regular Slotted Containers.

4.3 Palletization. When specified (see 5.2 ) plumb bob cord, packed as specified, shall be palletized on a 4-way entry pallet in accordance with load type 1a of MIL-HDBK-774. Each prepared load shall be bonded by means C and D, or F and C, and pallet pattern shall be number 4 in accordance with MIL-HDBK-774.

4.4 Marking. In addition to any special marking required by the contract or purchase order, unit packs, shipping containers, and palletized unit loads shall be marked in accordance with MIL-STD-129.

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5. NOTES

5.1 Intended use. The cord is intended for for plumb bob use on surveying equipment.

5.2 Ordering data. Acquisition documents must specify the following:

- a. Title, number, and date of this document.
- b. When palletization is required (see 4.3).

5.3 Sources of documents.

5.3.1 Source for Government documents. Copies of military and Federal documents are available from:

Customer Service, Defense Printing Service Detachment Office  
700 Robbins Avenue, Building 4D  
Philadelphia, PA 19111-5094

5.3.2 Source of Information for nongovernmental document. Copies of ASTM D1974, Fiberboard Boxes, Methods of Closing, Sealing, and Reinforcing, are available from:

American Society for Testing Materials  
100 Barr Harbor Drive  
West Conshohocken Pa 19428-2959

MILITARY INTEREST:

Custodians:

Army - GL  
Navy - MC

Review activities:

Army - MD

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FSS

Preparing Activity:

DLA - IS

Project 4020-0419