

INCH-POUND

A-A-52088A
4 JUNE 2008
SUPERSEDING
A-A-52088
March 7, 1991

COMMERCIAL ITEM DESCRIPTION

ROPE, COTTON, OR COTTON/POLYESTER BLEND

The General Services Administration has authorized the use of this commercial item description by all federal agencies.

1. **SCOPE.** This commercial item description (CID) covers cotton or cotton/polyester rope.

2. **CLASSIFICATION** The cotton or cotton/polyester blend rope shall be of the following classes and sizes and shall be as specified (see 7.3a):

2.1 Class 1 – Natural
Class 2 – Mildew-resistant treated

2.2 Sizes (circumference, inches): 3/8, 5/8, 3/4, 1-1/8, 1-1/2, 2-1/4, 3

3. SALIENT CHARACTERISTICS

3.1 **General description.** The rope shall be fabricated of carded cotton fiber or a cotton and polyester blend of suitable staple length and grade. The polyester content shall not exceed 65 percent of the total blend. The rope shall be of three-strand construction and shall utilize the “ZSZ” twist pattern. The class 1 rope shall contain not more than 5.0 percent starch and protein content, including chloroform soluble and water soluble material. The class 2 rope shall be natural in color prior to treatment and shall be mildew-resistant treated in accordance with T-T-616. The shade imparted by this treatment shall be considered acceptable.

Comments, suggestions, or questions on this document should be addressed to: Defense Supply Center Philadelphia, ATTN: DSCP-NASA, 700 Robbins Ave, Philadelphia, PA 19111-5096 or emailed to dscp&inspeccomments@dla.mil Since contact information can change, you may want to verify the currency of this address information using the ASSIST Online database at <http://assist.daps.dla.mil/>

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3.2 Physical requirements. The class 1 and class 2 ropes shall conform to the physical requirements specified in Table I, when tested as specified in 5.4 and 5.5.

TABLE I. End item physical requirements

Circumference			Approximate Diameter ^{2/} Inches	Length per pound ^{3/} Minimum Feet	Breaking strength (min.)	
Nominal Inches	Minimum Inches	Maximum Inches			Class 1 Pounds	Class 2 Pounds
3/8 ^{1/}	5/16 ^{1/}	7/16 ^{1/}	1/8	200.00	120	105
5/8	9/16	11/16	3/16	90.00	250	225
3/4	5/8	7/8	1/4	52.00	420	375
1-1/8	1	1-1/4	3/8	23.50	890	800
1-1/2	1-3/8	1-5/8	1/2	13.50	1,450	1,305
2-1/4	2-1/16	2-7/16	3/4	6.00	3,100	2,790
3	2-3/4	3-1/4	1	3.50	5,100	4,590

^{1/} Unless otherwise specified, a certificate of compliance is required and will be acceptable for the circumference requirements for the 3/8-inch rope.

^{2/} The diameter is included for information only and is not a requirement.

^{3/} A 10 percent minus tolerance is permitted for the class 2 rope only.

3.3 Put-up. Unless otherwise specified (see 7.3b), the ropes shall be furnished on tubes for sizes up to and including 3/4 inch circumference and in coils for the remaining sizes and in the minimum lengths specified in table II. Tubes or coils shall contain not more than two pieces and no piece shall be less than 100 feet in length. The ends of the rope shall not be knotted or otherwise joined to make a continuous length and shall be served to prevent the ends from unlaying or untwisting. The rope shall be so wound that each turn and layer is free from entanglement.

TABLE II. Put-up

Circumference (nominal) inches	Weight per tube or coil (approximate) pounds	Length per tube or coil (minimum) feet
3/8	10	2,000
5/8	30	2,700
3/4	30	1,600
1-1/8	51	1,200
1-1/2	89	1,200
2-1/4	100	600
3	171	600

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3.4 Identification. Each tube shall have a label attached in such a manner as to remain in place and be clearly legible until all rope has been removed.

3.4.1 Ticket. Each tube or coil shall have a ticket (identification tag) attached to it for identification purposes. The ticket shall conform to the requirements of A-A-59622.

3.4.2 Marking. All entries on the ticket or label shall be legibly printed, stamped, or typed with water insoluble ink, and shall contain the following information:

- National stock number (NSN)
- Nomenclature
- Commercial Item Description number
- Length
- Date of manufacture (month and year)
- Contract number and date
- Contractor's name

4. REGULATORY REQUIREMENTS

4.1 Recovered materials. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

5. QUALITY ASSURANCE PROVISIONS

5.1 Product Conformance. The products provided shall meet the salient characteristics of this commercial item description, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The government reserves the right to require proof of such conformance.

5.2 Quality conformance inspection. Unless otherwise specified, sampling for inspection shall be performed in accordance with ASQ Z1.4

5.3 End item visual examination. Each lot of rope shall be examined for consumer type defects, defined as follows:

- Defects in design, construction, workmanship; Any cut, chafe, damage or splice; kink, darting yarn, knot, broken or loose end, bulged strand; color not as specified; any spot or stain clearly noticeable; put-up not as specified; identification tag or ticket omitted, incorrect, or not as specified.

The lot size shall be expressed in units of tubes or coils of rope. The sample unit shall be one tube or coil of rope. Ten percent of the length contained on each sample unit, but not less than 100 feet, shall be examined. The inspection level shall be I, and the acceptable quality limits (AQL) shall be 4.0.

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5.4 End item circumference testing. Each lot of ropes shall be measured for circumference in accordance with Method 6003 of FED-STD-191. Any circumference not within the specified tolerances shall be classified as a defect. The lot size shall be expressed in units of tubes or coils of rope. The sample unit shall be expressed in units of tubes or coil of rope. The sample unit shall be one tube or coil of rope. The inspection level shall be S-3, and the AQL shall be 2.5.

5.5 End item testing. The ropes shall be tested for minimum breaking strength and length per pound in accordance with Methods 6016 and 6004, respectively, of FED-STD-191. The lot size shall be expressed in units of tubes or coils of circumference, and shall be 55 feet for ropes less than 1-1/8 inches in circumference. The lot shall be rejected if one or more sample units fail to meet any requirement specified. The sample size shall be in accordance with table III.

TABLE III. Sampling for tests.

Lot size (tubes or coils)	Sample size (sample units)
800 or less	2
801 up to and including 22,000	3
22,001 and over	5

6. PACKAGING

6.1 Preservation, packing, and marking. For acquisition purposes, the products shall be preserved, packed, and marked as specified in the acquisition order (see 7.3c).

6.1.1 Commercial. In the absence of detailed instructions in the contract or purchase order preservation and packing shall be in accordance with American Society for Testing and Materials (ASTM) D3951, "Standard Practice for Commercial Packaging".

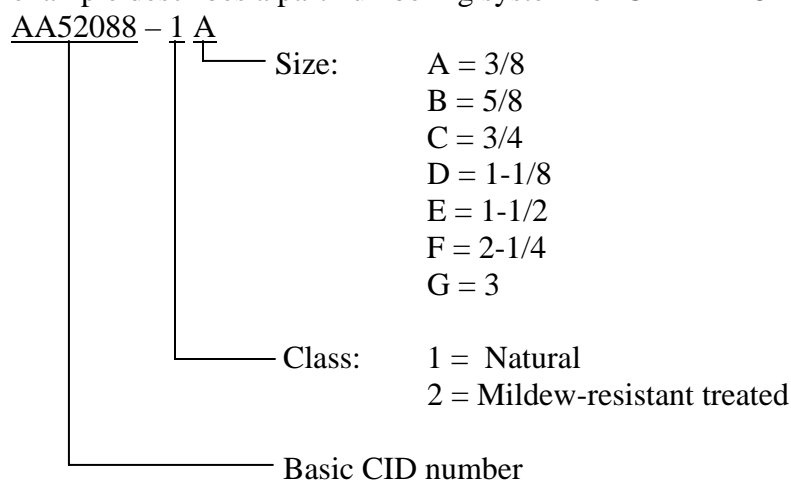
6.2 Palletization. When specified (see 7.3d) rope shall be palletized in accordance with MIL-STD-147.

7. NOTES

7.1 Part Identification Number (PIN). The following PIN procedure is used for government purposes and does not constitute a requirement for the contractor.

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This example describes a part numbering system for CID A-A-52088:



7.2 Sources of documents.

7.2.1 FAR. The FAR may be obtained from the Regulatory Secretariat, 1800 F Street NW, Washington, DC 20405 or online at <http://www.acqnet.gov>.

7.2.2 Government documents. Copies of Military and Federal documents are available online at <http://assist.daps.dla.mil/quicksearch/> or from the Standardization Documents Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.

7.2.3 ASQ standards. Copies of ASQ standards may be obtained from the American Society for Quality, 611 East Wisconsin Avenue, Milwaukee, WI 53202 or online at <http://www.asq.org>.

7.2.4 ASTM standards. Copies of ASTM standards may be obtained from the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 or online at <http://www.astm.org>.

7.3 Ordering data. The contract or order should specify the following:

- a. CID document number, revision, and CID's PIN.
- b. Put-up, if different (see 3.3).
- c. Specify packaging requirements.
- d. When palletization is required (see 6.2).

7.4 Subject terms (keyword listing).

Coil
 Natural
 Tube

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7.5 Changes from previous issue. Marginal notation are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Custodians:

Army – GL
Navy – MC
Air Force – 99

Preparing activity:
DLA – IS

(Project 4020-2007-007)

Review activities:

Army – AV, MD, SM
Air Force – 71

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