

INCH-POUND

A-A-50375

14 May 1990

## COMMERCIAL ITEM DESCRIPTION

### LACES, LEGGINGS

This Commercial Item Description is authorized for use in preference to MIL-L-396E(SA).

#### 1. ABSTRACT

1.1 Scope. This description covers a white tubular braided cotton lace used as a closure for leggings worn by Navy personnel.

#### 2. SALIENT CHARACTERISTICS

2.1 Laces. The laces shall be 100% cotton, bleached white, tubular braided round without a core, tipped on one end. The laces shall be 30 to 31 inches long, 5/64 to 7/64 inch in diameter, and weight 21-24 ounces per gross. The breaking strength shall be a minimum of 70 pounds, when tested according to Test Method 7102 of FED-STD-191. The lace shall be smoothly finished and polished. The starch and protein content including chloroform soluble and water soluble material of the finished laces, shall not exceed 7.0%, when tested according to Test Method 2611 of FED-STD-191.

2.2 Lace tip. The lace tip shall be a transparent and colorless cellulose acetate or cellulose butyrate sheeting, with a thickness of not less than 0.0010 inch nor more than 0.013 inch. The tip shall be firmly attached and secured having a minimum gripping strength of 18 pounds. The end of the tip and braid shall be evenly aligned. The tip shall finish 3/4 (+1/16) inch in length.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Officer in Charge, Navy Clothing and Textile Research Facility, 21 Strathmore Road, Natick, MA 01760-2490 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A

FSC 8315

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2.3 Product demonstration model. During the solicitation phase, interested firms shall provide the procuring agency with four product demonstration models (two pairs) of the item they propose to furnish for evaluation. The two pairs provided by the successful offerer shall be tagged and sealed. One shall be retained by the Procuring Agency and the other furnished the assigned Quality Assurance Representative (QAR) for use as a reference in performing the examination in paragraph 3.2 and the scoring of defects in design, material, and workmanship not otherwise classified herein.

### 3. QUALITY ASSURANCE PROVISIONS

3.1 Certification. When requested by the Contracting Office, the contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this Commercial Item Description (CID), 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 Examination of the end item. The laces shall be inspected in accordance with MIL-STD-105. Defects found during the examination of the end item shall be classified as below. The inspection level shall be I and the AQL shall be 2.5 defects per 100 units. The lot size shall be expressed in units of pairs. The sample unit shall be one finished lace, and the selection shall be in pairs. Defects for pairing shall be classified as a single defect.

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#### DEFECTS

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##### I. LACES

- a. Hole, cut, or tear
- b. Any broken yarn
- c. Pulled yarn or uneven tension resulting in uneven width
- d. Frayed
- e. Rub or abrasion mark, affecting serviceability
- f. Unevenly braided, resulting in open place or break in continuity of braid
- g. Other than tubular braided without a core
- h. Flat area for a distance of 1 inch or more
- i. Slub, knot, or abruptly thickened place which may affect utility
- j. Color not as specified
- k. Spot, stain, or other discoloration affecting appearance
- l. Not smoothly finished or not polished
- m. More than 31 inches long or less than 30 inches long
- n. Pairs of laces not same length

##### II. TIP

- a. Any tip missing, damaged, malformed, or insecurely attached
- b. Tipping of lace not neatly accomplished
- c. Free end of lace uneven
- d. Color of tip end not transparent and colorless

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**DEFECTS, Continued**

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- e. End of tip projects beyond the braid more than 1/16 inch
- f. End of braid projects beyond the tip end more than 1/16 inch
- g. Finished length of tip less than 11/16 inch or more than 13/16 inch

**III. GENERAL**

- a. Any defect not otherwise classified herein but at variance with the product demonstration model

**IV. DESIGN AND ASSEMBLY**

- a. Not fabricated in accordance with the product demonstration model

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**4. PACKAGING**

**4.1 Preservation.** Fifty (50) pairs of laces shall be bundled and securely tied. Each bundle of laces shall be wrapped with any suitable commercial grade kraft paper, secured with gummed paper tape. As an alternate, each bundle of laces shall be inserted into a clear polyethylene film bag. The final closure of the bag shall be heat sealed close to the open end and have a 1/4 inch diameter hole at one corner. As an alternate, the closure on the bag may be a wire twist tie.

**4.2 Packing.** Five hundred (500) pairs of laces shall be packed in a fiberboard shipping container conforming to class weather-resistant, type CF, grade V15c, size 1A of MIL-B-17757. The container shall have a liner conforming to type CF, class domestic of MIL-B-17757. The container shall have the contents completely covered on the top and bottom with a sheet of commercial grade kraft paper.

**4.3 Marking.** Marking shall be in accordance with MIL-STD-129.

**4.4 Palletization.** Laces packed as specified shall be palletized on a 4-way entry pallet in accordance with load type 1A of MIL-STD-147. Each prepared load shall be bonded in accordance with the bonding methods C and D or film bonding F or G. Pallet pattern shall be in accordance with the appendix of MIL-STD-147. The pallet shall be 4-way, type IV; type V, class 1, size 2; or type VIII, fabricated from wood group I, II, III, or IV, grade A of NN-P-71, or 4-way style 1, size A, type I, class 1 fabricated from wood groups specified of MIL-P-15011. Interlocking of loads shall be effected by reversing the pattern of each course. If the container is of a size which does not conform to any of the patterns specified in MIL-STD-147, the pallet pattern used shall be approved by the contracting officer.

**5. NOTES**

**5.1 Source of government documents.** All government documents are available from the Standardization Documents Order Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.

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5.2 Acquisition data. Acquisition documents should specify title, number and date of this document.

Custodian:  
Navy - NU

Preparing Activity:  
Navy - NU

Review Activity:  
DLA-CT

Project Number:  
8315-N346

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## STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

(See Instructions - Reverse Side)

1. DOCUMENT NUMBER A-A-50375		2. DOCUMENT TITLE LACES, LEGGINGS	
3a. NAME OF SUBMITTING ORGANIZATION		4. TYPE OF ORGANIZATION (Mark one)  <input type="checkbox"/> VENDOR  <input type="checkbox"/> USER  <input type="checkbox"/> MANUFACTURER  <input type="checkbox"/> OTHER (Specify): _____	
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5. PROBLEM AREAS			
a. Paragraph Number and Wording:			
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