

MIL-S-5365F(USAF)

8 December 1970

SUPERSEDING

MIL-S-5365E(USAF)

13 January 1964

## MILITARY SPECIFICATION

SCARF, NECKWEAR, SAGE GREEN, FLYING, TUBULAR N-1B  
 (SCARF, SAGE GREEN, FLYING TUBULAR, TYPE N-1B)

## 1. SCOPE

1.1 This specification covers one type of heavy scarf of tubular construction. The scarf is designated Type N-1B.

## 2. APPLICABLE DOCUMENTS

- \* 2.1 The following documents of the issue in effect on date of invitation for bids or request for proposal, form a part of the specification to the extent specified herein.

## SPECIFICATIONS

## Federal

L-P-378

V-T-276

DDD-L-20

PPP-B-566

PPP-B-636

PPP-B-665

PPP-B-676

Plastic Sheet And Strip (Polyolefin)

Thread, Cotton

Label; For Clothing, Equipage, And

Tentage, (General Use)

Boxes, Folding, Paperboard

Box, Fiberboard

Boxes; Paperboard, Metal Stayed

(Including Stay Material)

Boxes, Set-Up

## Military

MIL-C-3735

Cuffs, Knit, Wrist And Ankle, And Cloth,  
Knitted

## STANDARDS

## Federal

FED-STD-191

FED-STD-751

Textile Test Methods

Stitches, Seams, And Stitchings

## Military

MIL-STD-105

MIL-STD-129

Sampling Procedures And Tables For  
Inspection By Attributes

Marking For Shipment And Storage

(Copies of specifications, standards, drawings, and publications required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

FSC 8440

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- \* 2.2 Other publications. The following documents form a part of this specification to the extent specified herein. Unless otherwise indicated, the issue in effect on date of invitation for bids or request for proposal shall apply.

CONSOLIDATED FREIGHT CLASSIFICATION COMMITTEE

Consolidated Freight Classification Rules and Container Specifications

(Application for copies should be addressed to the Consolidated Freight Classification Committee, Room 202, Chicago Union Station, Chicago IL 60606.)

U.S. DEPARTMENT OF AGRICULTURE

Rules And Regulations Under The Wool Products Labeling Act Of 1939

(Application for copies should be addressed to the Superintendent of Documents, Government Printing Office, Washington DC 20402.)

3. REQUIREMENTS

- \* 3.1 Preproduction sample. Unless otherwise specified (see 6.2), a preproduction sample scarf covered by this specification shall be submitted or made available to the contracting officer or his authorized representative for approval in accordance with 4.2. The approval of the preproduction sample authorizes the start of production but does not relieve the supplier of responsibility for compliance with all applicable provisions of this specification. The preproduction sample shall be manufactured in the same facilities to be used for the manufacture of the production item.

3.2 Materials.

3.2.1 Knitted cloth. Knitted cloth shall conform to type I, class 3 of MIL-C-3735, except that the width and length shall conform to the dimensions shown in Figure 1 and the color shall be sage green USAF color shade No. 1525 (See 6.3).

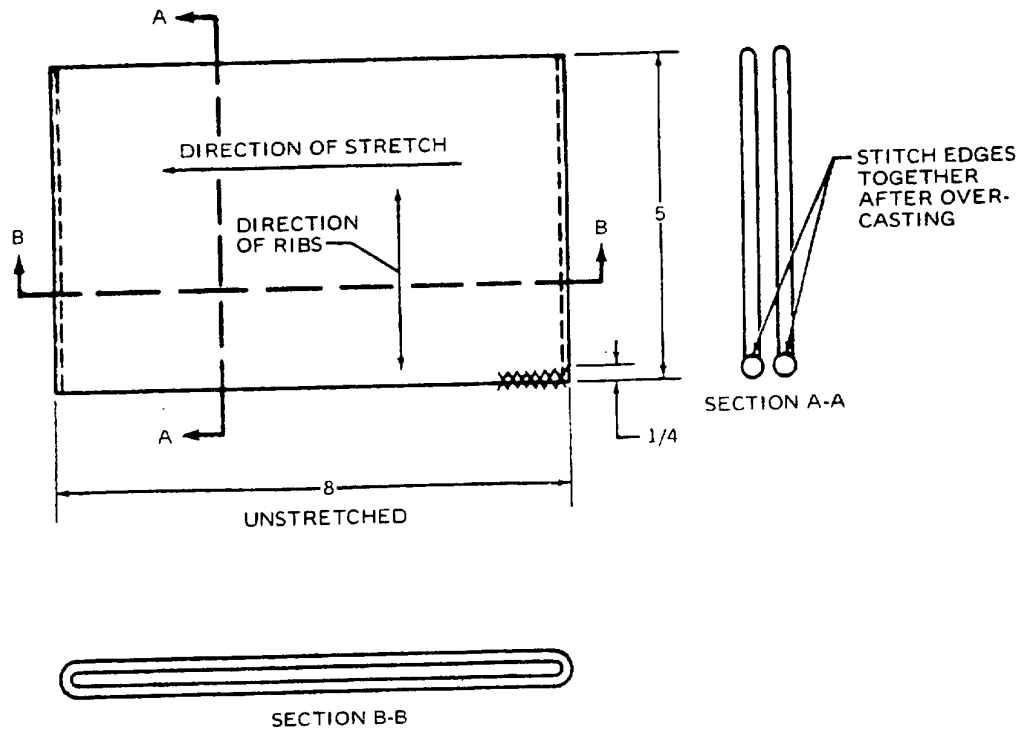
3.2.2 Thread. The thread for all sewing shall conform to type IC2, 3-cord (ply), ticket No. 0 of V-T-276. The color of the thread shall be sage green USAF color shade No. 1509 (see 6.3).

3.2.3 Assembly.

3.2.3.1 Tubular knit fabric. The tubular 1 by 1 rib knit fabric shall have a length (walewise) of 10-1/4 inches (plus or minus 1/4 inch) and a width (coursewise) of 8 inches (plus or minus 1/4 inch) when folded flat and unstretched or shall be 16 inches (plus or minus 1/2 inch) in circumference when unstretched. The cut edges shall be overcast. The tubular fabric shall then be folded back and the two cut edges shall then be stitched together as specified (see 3.3).

3.2.3.2 Flat knit fabric. The flat 1 by 1 rib knit fabric shall be cut to a length (walewise) of 10-1/4 inches (plus or minus 1/4 inch) and a width (coursewise) of 16 inches (plus or minus 1/2 inch). All four cut edges shall be overcast. The fabric shall be joined in length direction (walewise) as specified (see 3.3) to form a tube. The tubular fabric shall then be folded back and the two coursewise cut edges shall then be stitched together as specified (see 3.3).

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CUT TUBING 10-1/4 INCHES LONG

DIMENSIONS IN INCHES  
UNLESS OTHERWISE SPECIFIED.  
TOLERANCE ON FRACTIONS  $\pm 1/4$

FIGURE 1. DIMENSIONS OF THE KNITTED CLOTH

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3.3 Stitches, seams, and stitchings. Stitches, seams, and stitchings used in construction of the scarf shall conform to FED-STD-751. Stitch types 301 and 502 or 503 and seam type SSa-2 shall be used for joining the two cut edges. Stitch type 502 or 503 and seam type EFd-1 shall be used for overstitching.

3.3.1 Tacking and backstitching. Thread breaks and ends of all seams and stitches, when not caught in other seams or stitches, shall be securely tacked or backstitched.

3.3.2 Stitches per inch. There shall be not less than 6 nor more than 8 stitches per inch. The material shall be under maximum stretch when stitched.

3.4 Identification of product.

3.4.1 Wool contents label. Each scarf shall be marked to conform with the Wool Products Labeling Act of 1939. The legend may be included in the identification label.

3.4.2 Identification label. Each scarf shall contain a label conforming to type I, class 4 of DDD-L-20. The label shall measure not less than 1-3/4 inches by 2-3/4 inches. The scarf is intended to be dry cleaned. The label shall be sewn 1 inch (plus or minus 1/4 inch) from the sewn edge. It shall contain the following specific information:

Scarf, Neckwear, Sage Green, Flying, Tubular N-1E  
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Stock No. (USAF)\*  
Contract or Order No.\*  
Manufacturer's Name or Trade-Mark\*  
Dry Clean Only

\*The manufacturer shall include the applicable data.

3.5 Workmanship. The scarf shall be constructed in a thoroughly workmanlike manner. The finished scarf shall be clean and free from any defects that might affect appearance or functionality.

#### 4. QUALITY ASSURANCE PROVISIONS

- \* 4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the supplier is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or order, the supplier may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.
- \* 4.2 Preacceptance inspection.
  - \* 4.2.1 Preproduction sample. When required, inspection and testing of the preproduction sample shall be made of the finished scarf for all provisions of this specification applicable to end product examination and tests.

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- \* 4.3 Inspection for acceptance. Unless otherwise specified, inspection shall be in accordance with MIL-STD-105.
- \* 4.3.1 Testing of components. In addition to the quality assurance provisions of the subsidiary specifications and drawings, inspection shall be performed on components and materials listed below for the characteristics shown. Unless otherwise specified, inspection shall be in accordance with FED-STD-191, as applicable and the methods specified herein.
- \* 4.3.1.1 Wool. The wool shall be examined for grade in top form by comparison with the applicable US Standard. In the event of dispute the wool grade shall be determined by a Government approved width method. The unit of product shall be one (1) yard of undyed top. The sample size (number of units of products) shall be as shown in the table below:

<u>Lot Size (Pounds)</u>	<u>Sample Size</u>
800 or less	2
801 to 22,000	3
22,001 & over	5

The result of each unit of product shall be reported separately. The lot shall be unacceptable if a single unit of product fails to meet the required grade.

- \* 4.3.1.2 Test on cloth wool knitted. The method of testing specified in FED-STD-191, wherever applicable and as listed in Table I shall be followed. The physical and chemical values specified in Section 3 apply to the average of the determinations made on a unit of product for test purposes as specified in the applicable test methods. The sample size shall be in accordance with inspection level S-1, of MIL-STD-105. The acceptable quality level (AQL) for each characteristic shall be 2.5 test failures per 100 units. The lot size shall be expressed as one (1) yard each. The unit of product for testing shall be one yard full width.
- \* 4.3.2 Inspection of the end item.
- \* 4.3.2.1 Visual examination. Defects found during this examination shall be classified in accordance with defects shown in Table II. The unit of product for this examination shall be one scarf. The sample size shall be in accordance with inspection level II of MIL-STD-105. The lot size shall be expressed in units of one scarf each. The acceptable quality levels (AQL's) shall be 4.0 for major defects and 10.0 for minor defects expressed in defects per hundred units.
- \* 4.3.2.2 Examination for dimensions. Defects found during this examination shall be classified in accordance with the defects shown below. The unit of product shall be one (1) scarf. The acceptable quality level shall be 4.0 defects per hundred units. The lot size shall be expressed in units of one scarf each. The sample size shall be in accordance with inspection level S-3 of MIL-STD-105.

<u>Examination</u>	<u>Defect</u>
Length	More or less than specified
Width	More or less than specified

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TABLE I - TEST METHOD

Characteristic	Specification Reference		# Determ Per Indi- vidual Unit of Product	Results Reported As
	Requirement	Test Method		
Knit type II	Circular or flat 1 X 1 rib 1 end/feed	Visual	1	Pass or fail
Wales/In (Min)	14	5070	1	Actual count
Courses (Min)	19	5070	1	
Width/In	As specified in 3.2.3 and Figure 1 of MIL-S- 5365	Visual	1	To nearest 1/16 inch
Length/In		Visual	1	To nearest 1/16 inch
Weight (Min) oz	11-1/2 oz/ sq yd	5041	5	Avg of 5 det to nearest 0.1 oz
Acidity (pH)	5.0 Min - 9.0 Max	2811	2	Avg of 2 det to nearest 0.1 p <sup>H</sup>
<u>Colorfastness to:</u>				
Laundering	Equal to Standard.  If no Stan- ard-good	5614	1	Satisfactory or unsatisfactory to the Standard. If no Standard, report as good, fair, or poor
Perspiration	"	5681	1	"
Dry Cleaning	"	5621	1	"
Crocking	"	5651 1/	1	"
Light	"	5660	1	"
Salt Water	"	5632	1	"

1/ Contractor shall indicate on the plant test report the type of crock cloth used.

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TABLE II - CLASSIFICATION OF DEFECTS

Defect	Major	Minor A
Any hole, cut, tear or dropped stitches	X	
Any mend	X	
Overedge stitching omitted, broken or skipped	X	
Incorrect seam or stitch type		X
Number of stitches more or less than specified		X
Backstitching or tacking omitted when required		X
Nonuniform in overall appearance, slubby yarn or tiger stripes, clearly visible*	X	
Shade bar, off-shade, or stain, clearly visible*	X	
Burr, shive or sisal, clearly visible*		X
Identification label and/or wool content label missing, incorrect, illegible or improperly attached.	X	

\* At normal inspection distance (approximately 3 feet)

- \* 4.3.3 Examination of preparation for delivery requirements. An examination shall be made to determine that packaging, packing and marking requirements of the applicable specification are complied with. Defects shall be scored in accordance with Table III. The sample unit shall be one shipping container fully prepared for delivery, with the exception that it need not be fully prepared for delivery. The lot size shall be the number of shipping containers in the end item inspection lot. The inspection level shall be S-2 and the AQL shall be 4.0 defects per 100 units.

TABLE III - DEFECTS

<u>Examination</u>	<u>Defect</u>
Marking (exterior & interior)	Omitted, incorrect, illegible, of improper size, location sequence or method of application.
Materials	Any component missing. Any component damaged, affecting serviceability.
Workmanship	Inadequate application of components such as incomplete closure of case liners, container flaps, loose strapping, inadequate stapling. Bulging or distortion of containers.
Weight of content (exterior & interior)	Number of intermediate packages is more or less than required; gross/net weight exceeds requirements. Preservation improper, improperly applied or missing.

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5. PREPARATION FOR DELIVERY

- \* 5.1 Preservation and packaging. Preservation and packaging shall be level A or C as specified (see 6.2).
  - 5.1.1 Level A. Each scarf shall be folded in a compact manner in accordance with commercial practice. Six folded scarfs shall be placed in a bag made of 0.0015-gage polyethylene conforming to L-P-378. The air shall be expelled from the bag so that the package is snug and tight fitting. Moth proofing shall be accomplished in accordance with commercial practice if required.
  - \* 5.1.2 Intermediate packaging. Six scarfs packaged in accordance with 5.1.1 shall be placed in an intermediate container conforming to PPP-B-566, PPP-B-636, PPP-B-665 and PPP-B-676. The number of units per container shall be a like amount and governed by the limitations of the container being used.
  - 5.1.3 Level C. Scarfs shall be packaged to afford adequate protection against deterioration and physical damage during shipment from the supply source to the first receiving activity. The supplier may use his standard practice when it meets these requirements.
- \* 5.2 Packing. Packing shall be level A, B or C as specified (see 6.2).
  - 5.2.1 Level A. Scarfs preserved and packaged as specified in 5.1 shall be packed in exterior-type shipping containers conforming to PPP-B-636, type RSC, class weather-resistant. The gross weight shall not exceed the weight limitations of the container specification, and containers shall contain identical quantities. Closure and reinforcing shall be in accordance with the appendix of the container specification.
  - 5.2.2 Level B. Level B shall be the same as specified in 5.2.1, except the exterior shipping container shall be class domestic and reinforcing requirements do not apply.
  - \* 5.2.3 Level C. Packages that require overpacking for acceptance by the carrier shall be packed in exterior-type shipping containers in a manner that will insure safe transportation at the lowest rate to the point of delivery. Containers shall meet Consolidated Freight Classification Rules or regulations of other common carriers as applicable to the mode of transportation.
- \* 5.3 Marking. Interior and exterior containers shall be marked in accordance with MIL-STD-129.

6. NOTES

- 6.1 Intended use. The scarf covered by this specification is intended for use by Air Force personnel in very cold temperature zones.
- 6.2 Ordering data. Procurement documents should specify the following:
  - a. Title, number and date of this specification.
  - b. Selection of applicable levels of preservation, packaging and packing. (See 5.1 and 5.2)



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- c. Examination of preparation for delivery requirements.
- d. Whether preproduction sample is required (see 3.1).

6.3 USAF color shade. A sample of USAF color shades may be obtained upon application to the procuring activity.

- \* 6.4 The margins of this specification are marked with an asterisk to indicate where changes (additions, modifications, corrections, deletions) from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

Custodian:  
Air Force - 82

Review Activity:  
Air Force - 82

Preparing Activity:  
Air Force - 82

Project No. 8440-F094

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SPECIFICATION ANALYSIS SHEET		Form Approved Budget Bureau No. 22-R255
<p><b>INSTRUCTIONS:</b> This sheet is to be filled out by personnel, either Government or contractor, involved in the use of the specification in procurement of products for ultimate use by the Department of Defense. This sheet is provided for obtaining information on the use of this specification which will insure that suitable products can be procured with a minimum amount of delay and at the least cost. Comments and the return of this form will be appreciated. Fold on lines on reverse side, staple in corner, and send to preparing activity. Comments and suggestions submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or serve to amend contractual requirements.</p>		
SPECIFICATION		
ORGANIZATION		
CITY AND STATE	CONTRACT NUMBER	
<p>MATERIAL PROCURED UNDER A</p> <p><input type="checkbox"/> DIRECT GOVERNMENT CONTRACT      <input type="checkbox"/> SUBCONTRACT</p>		
<p>1. HAS ANY PART OF THE SPECIFICATION CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE?</p> <p>A. GIVE PARAGRAPH NUMBER AND WORDING.</p>		
<p>B. RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES</p>		
2. COMMENTS ON ANY SPECIFICATION REQUIREMENT CONSIDERED TOO RIGID		
<p>3. IS THE SPECIFICATION RESTRICTIVE?</p> <p><input type="checkbox"/> YES      <input type="checkbox"/> NO (If "yes", in what way?)</p>		
4. REMARKS (Attach any pertinent data which may be of use in improving this specification. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity)		
SUBMITTED BY (Printed or typed name and activity - Optional)		DATE

DD FORM 1426  
1 JAN 66

REPLACES EDITION OF 1 OCT 64 WHICH MAY BE USED.

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