

**INCH-POUND**

MIL-DTL-22442/36B(AS)

Amendment 1

1 April 2000

## DETAIL SPECIFICATION SHEET

## CABLE ASSEMBLIES, AIRCRAFT AUDIO

This amendment forms a part of MIL-DTL-22442/36B, dated 5 January 1998, and is approved for use by the Naval Air Systems Command, Department of Navy, and is available for use by all Departments and Agencies of the Department of Defense.

Global change: Through out entire document change: "P/N" to "PIN"

## PAGE 2

Requirement 1: Change: "WM-27A/U" to "WD-27".

Requirement 6: Add to end of sentence "or electrically and mechanically compatible".

## PAGE 4

Table I: Add to Visual & Mechanical Inspection under Requirements column "3.7".

Table I: Add under GROUP D

Material Reversion	3.5.11	4.5.13	X
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Preparing activity:

Navy - AS

(Project No. 5995-0140-16)

AMSC N/A

1 of 1

FSC 5995

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

**INCH-POUND**

MIL-DTL-22442/36B

5 January 1998

SUPERSEDING

MIL-C-22442/36A

2 September 1988

## DETAIL SPECIFICATION SHEET

## CABLE ASSEMBLY, AIRCRAFT AUDIO

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and the issue of MIL-DTL-22442 listed in the issue of the Department of Defense Index of Specifications and Standards (DoDISS) specified in the solicitation.

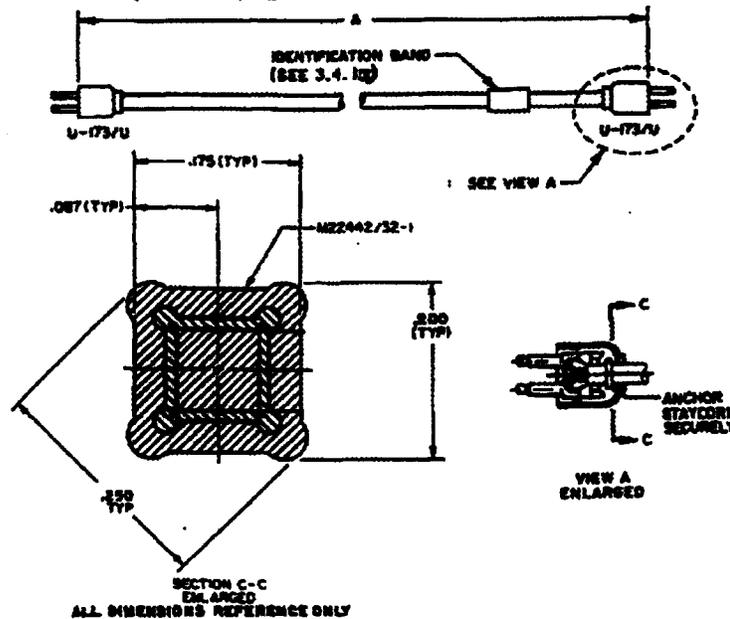


FIGURE 1. Cable assembly.

TABLE I. Part numbers.

Dimension A	Part Number
6.25	M22442/36-1
9.00	M22442/36-2
13.00	M22442/36-3
16.25	M22442/36-4
19.50	M22442/36-5
23.00	M22442/36-6

AMSC N/A

1 of 4

FSC 5995

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

## MIL-DTL-22442/36B

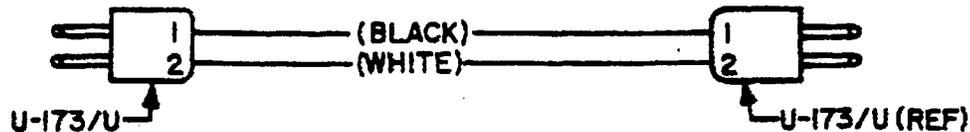


FIGURE 2. Cable assembly P/N M22442/36-X Schematic Diagram.

**APPLICABLE DOCUMENTS:**

- |             |   |   |
|-------------|---|---|
| MIL-C-55668 | - | Cord, Electrical, Audio Subminiature (Retractable and Straight) |
| MIL-C-10392 | - | Cord, Electrical (Audio Miniature)                              |

**APPLICABLE DRAWINGS**

**AIR FORCE**

- |          |   |                                    |
|----------|---|------------------------------------|
| 57B12662 | - | Connector, Plug Electrical U-173/U |
| 57B12664 | - | Tip - Electrical, Plug Connector   |

**REQUIREMENTS:**

- \* 1. The cable (cord) shall be in accordance with requirements of MIL-C-10392 Type WM-27A/U, or MIL-C-55668 Type III 2 conductor or equal.
2. The stay cord shall be firmly attached to the connectors.
3. The DC resistance shall be less than 2 ohms between the following contacts:
  - (a) Contact 1 of U-173/U and contact 1 of U-173/U.
  - (b) Contact 2 of U-173/U and contact 2 of U-173/U.
4. The cable assembly shall be tested in accordance with the tests listed in Table II.
5. The weight of the cable assemblies shall not be greater than 1 ounce.
6. The U-173/U connector shall be made in accordance with Air Force drawings 57B12662 and 57B12664.

## MIL-DTL-22442/36B

## NOTES:

1. All dimensions are in inches.

2. Tolerances are +.5 -0 inches for cables under 10 inches and +1 -0 for cables over 10 inches.

**CHANGES FROM PREVIOUS ISSUE:** The margins of this specification are marked with asterisks to indicate where changes 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.

**Custodians:**

Army - CR  
Navy - AS  
Air Force - 85

**Preparing activity:**

Navy - AS  
(Project No. 5995-0128-15)

**Review Activities:**

Air Force - 11  
Air Force - 99  
DLA - CC

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TABLE II. Tests

Inspection	Requirement Paragraph	Test Paragraph	Group I Qualification Tests	Group II Quality Conformance Test 100%	Group III Sample Testing Per 4.4.1
<b>GROUP A (ALL SAMPLE UNITS) 1/</b>					
Visual & Mechanical Inspection	3.1 & 3.4	4.5.2	X	X	
Soldering	3.4.18	4.5.2.1	X	X	
Continuity	3.5.1	4.5.3	X	X	
<b>GROUP B</b>					
Dielectric Withstanding Voltage	3.5.2	4.5.4	X		X
Pull and Twist Test 1/	3.5.4	4.5.6	X		X
<b>GROUP C</b>					
Durability 1/	3.5.7	4.5.9	X		X
Ozone Resistance 1/	3.5.8	4.5.10	X		X
Jacket Elongation	3.5.9	4.5.11	X		X
<b>GROUP D 1/</b>					
Salt Fog	3.6.2	4.6.2	X		
Humidity	3.6.5	4.6.5	X		
Thermal Shock	3.6.5	4.6.6	X		

1/ Minimum tests for QPL retention (see paragraph 4.3.3)

*Add*  
*per: A incubant*