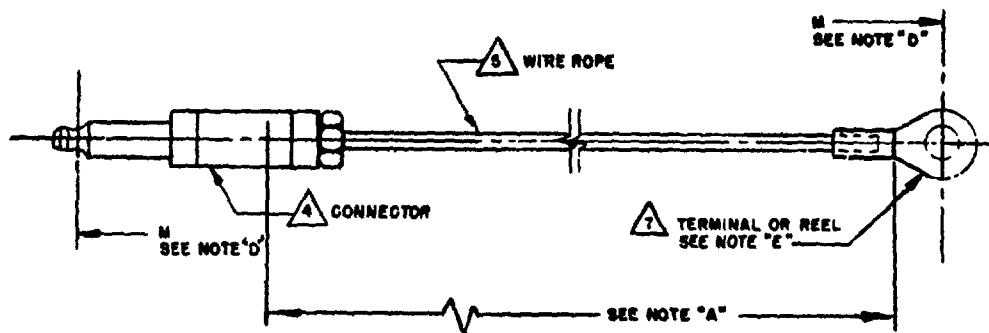
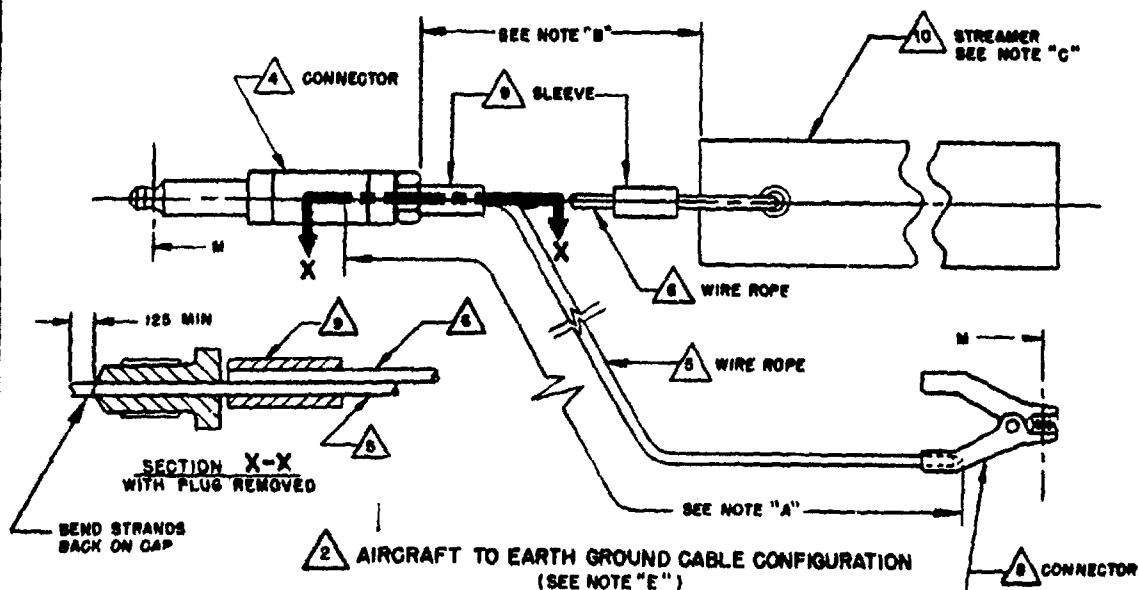
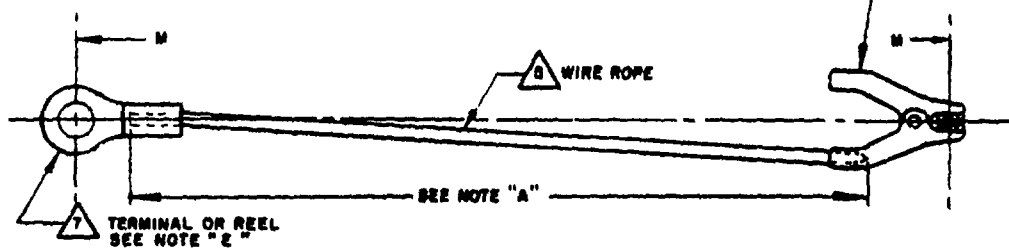


FED. SUP CLASS  
4920

1 AIRCRAFT TO AGE CABLE CONFIGURATION

2 AIRCRAFT TO EARTH GROUND CABLE CONFIGURATION  
(SEE NOTE "E")

3 AGE TO EARTH GROUND CABLE CONFIGURATION

⑤ ENTIRE STANDARD REVISED

THIS IS A DESIGN STANDARD AND SHALL NOT BE USED AS A PART NUMBER  
FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.  
REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

P.A. AIR FORCE - 11 Other Cost	TITLE	MILITARY STANDARD
Army - 11 Navy - 11	CABLE CONFIGURATIONS, GROUNDING, AIRCRAFT AND AGE	MS27574
PROCUREMENT SPECIFICATION	SUPERSEDES	SHEET 1 OF 2

DD FORM 372-1

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

User activity:  
Army - MERevision activities:  
Air Force - 68, 70, 80, 82, 84  
Army - AV  
Navy - AS


This drawing is approved by the Department of Defense and is mandatory on all activities. Subsequent to all new engineering and design applications and for replacement use shall be made from this document.

APPROVED 28 Jul 68 REVISED 4 15 Mar 70 4 Feb 72

FED SUP CLASS  
4920

ITEM	DESCRIPTION	PART OR SPECIFICATION
1	AIRCRAFT TO AGE CABLE CONFIGURATION	
2	AIRCRAFT TO EARTH GROUND CABLE CONFIGURATION	
3	AGE TO EARTH GROUND CABLE CONFIGURATION	
4	CONNECTOR, PLUG, AND CAP, ELECTRIC, GROUNDING (MATES WITH AIRCRAFT INSTALLED RECEPTACLE MS90298-2)	MS3493-3
5,6	WIRE ROPE TO BE 7 BY 7 CONSTRUCTION, .094 NOM. DIA WITH TRANSLUCENT 1/32 INCH THICK PLASTIC COATING, COLOR INTERNATIONAL ORANGE IN ACCORDANCE WITH FED-STD-595, COLOR 12197 IF COATED WIRE ROPE IS NOT AVAILABLE, USE UNCOATED WIRE ROPE WITH SUITABLE PLASTIC SHEATHING OR SLEEVING.  PREFERRED -- WIRE ROPE, STEEL (CORROSION-RESISTING) FLEXIBLE, PREFORMED (FOR AERONAUTICAL USE) ALTERNATE -- WIRE ROPE, STEEL (CARBON) FLEXIBLE, PREFORMED	MIL-W-5424 (OR EQUAL) MIL-W-1511 (OR EQUAL)
7	TERMINAL, LUG, CRIMP STYLE, COPPER, UNINSULATED, RING TONGUE, TYPE 1, CLASS 1 (SIZE TO SUIT)	MS20659 (OR EQUAL)
8	CONNECTOR, ELECTRICAL, GROUND	MS27610
9	SLEEVE -- CUT CRIMP END FROM TERMINAL LUG (SIZE TO SUIT) SHAVE SECURELY	MS20659 (AS MODIFIED OR EQUAL)
10	STREAMER, WARNING	MS51700-36 EXISTING STREAMERS IN ACCORDANCE WITH NAS1089 MAY BE USED UNTIL CURRENT SUPPLY IS EXHAUSTED

## NOTES

- A. LENGTH SHALL BE DETERMINED BY USER REQUIREMENTS. LENGTH SHALL BE CONTINUOUS, SPLICES ARE PROHIBITED (SEE NOTE D).
- B. LENGTH AS NECESSARY TO PERMIT A MINIMUM OF 24 INCHES OF STREAMER TO BE VISIBLE OUTSIDE AIRCRAFT. MAXIMUM LENGTH OF ATTACHING CABLE AND STREAMER SHALL NOT PERMIT ENTANGLEMENT WITH AIRCRAFT ROTORS, PROPELLERS, OR ENGINE INLETS. LENGTH OF CABLE =  $B + 3$  IN.
- C. WARNING STREAMER ROPE SHALL BE SECURELY ATTACHED NEAR  CONNECTOR.
- D. MAXIMUM PERMISSIBLE RESISTANCE BETWEEN CONTACT POINTS  $M = 5$  OHMS
- E. FOR AGE, IF REELS ARE NOT USED, THE USER SHALL PROVIDE BRACKETS OR OTHER SUITABLE MEANS TO STOW THE CABLE
- F. ALLIGATOR CLIPS SHALL NOT BE USED.
- G. USE OF STREAMER LENGTHS OTHER THAN AS SHOWN SHALL BE APPROVED BY APPROPRIATE USING COMMAND HEADQUARTERS.

P.A.	AIR FORCE - 61	TITLE	MILITARY STANDARD
Other Cost	ARMY - AV NAVY - AS	CABLE, GROUNDING, AIRCRAFT AND AGE	MS27574
PRECEDENT SPECIFICATION	SUPERSEDES		SHEET 2 OF

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

Review activities:  
 Air Force - 60, 70, 80, 82, 84  
 Army - AV  
 Navy - AS

User activity:  
 Army - ME

This military standard is approved by the Department of Defense and is mandatory in all activities. Subsequent to all new engineering and design applications and for replacement use shall be made from this document.

92 JUL 80  
 DEVEN (R) END CHANGES SEE SHEETS 1 AND 2