

MIL-C-27072/37(USAF)
25 January 1966

MILITARY SPECIFICATION SHEET

CABLE, SPECIAL PURPOSE, ELECTRICAL, SHIELDED;
TYPE I, STYLE 1, 19 CONDUCTORS (No. 22 AWG)

The complete requirements for procuring the cable described herein shall consist of this document and the latest issue of Specification MIL-C-27072(USAF).

DESIGN DATA

Figure No. - - - - -	1
Cable Type Designation - - - - -	MIL-C-27072/37 Type I, Style 1
Total No. of Wires - - - - -	19
No. of Conductors and AWG Size - - - - -	19/ 22 (7 Strands Tinned Copper)
Insulation - - - - -	Polyvinyl Chloride
(1) Wall Thickness - - - - -	Per MIL-W-16878
(2) Jacket Over Insulation - - - - -	Polyamide
(3) Spark Test Voltage - - - - -	3400 V. (R.M.S.)
(4) Inspection Test Voltage - - - - -	2000 V. (R.M.S.)
(5) Color Coding:	
1. White	11. White/Black/Orange
2. White/Black	12. White/Black/Red
3. White/Brown	13. White/Black/Green
4. White/Red	14. White/Black/Violet
5. White/Green	15. White/Black/Gray
6. White/Blue	16. White/Brown/Brown
7. White/Violet	17. White/Brown/Blue
8. White/Black/Black	18. White/Brown/Red
9. White/Black/Brown	19. White/Brown/Orange
10. White/Black/Blue	
Cabling	
(1) Core - - - - -	1/ 22
(2) Layer I - - - - -	6/ 22
(a) Maximum Lay - - - - -	1.75"
(3) Layer II - - - - -	12/ 22
(a) Maximum Lay - - - - -	3.50"
(4) Binder Tape	
(a) Material - - - - -	Polyethylene Terephalate
(b) Thickness - - - - -	0.001"

FSC-6145

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Shielding:

- (1) Material - - - - - 36 AWG Tinned Copper
- (2) Coverage - - - - - 90 Percent Minimum

Sheath:

- (1) Wall Thickness - - - - - 0.047" Nominal

Finished Cable

- (1) O. D. - - - - - 0.401" \pm .020"

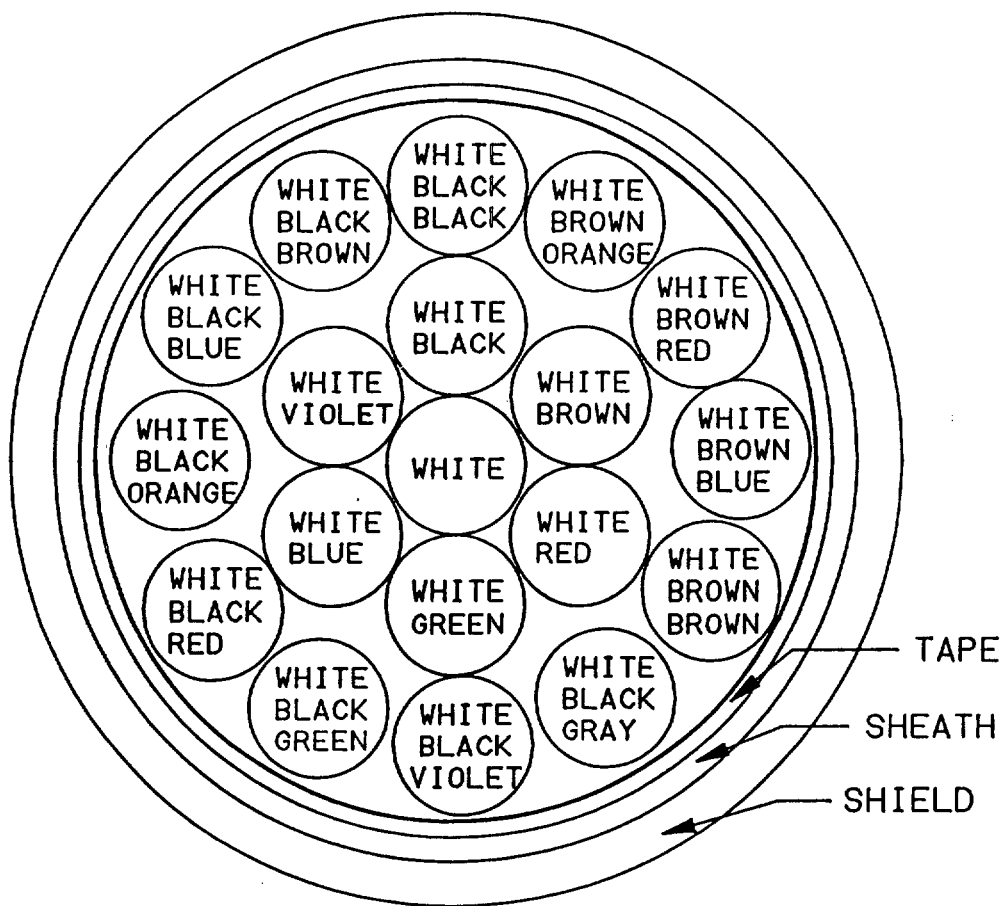


FIGURE 1.

Custodian:
Air Force - 17

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Preparing activity:
Air Force - 17

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.
2. The submitter of this form must complete blocks 4, 5, 6, and 7.
3. The preparing activity must provide a reply within 30 days from receipt of the form.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

I RECOMMEND A CHANGE		1. DOCUMENT NUMBER MIL-C-27072/37	2. DOCUMENT DATE (YYMMDD) 660125
3. DOCUMENT TITLE CABLE, SPECIAL PURPOSE, ELECTRICAL, SHIELDED: TYPE I, STYLE 1, 19 CONDUCTORS (NO. 22 AWG)			
4. NATURE OF CHANGE (Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)			
5. REASON FOR RECOMMENDATION			
6. SUBMITTER			
a. NAME (Last, First, Middle Initial)		b. ORGANIZATION	
c. ADDRESS (Include Zip Code)		d. TELEPHONE (Include Area Code) (1) Commercial (2) AUTOVON (If applicable)	7. DATE SUBMITTED (YYMMDD)
8. PREPARING ACTIVITY			
a. NAME U.S. Army Missile Command		b. TELEPHONE (Include Area Code) (1) Commercial 205-876-6980	(2) AUTOVON DSN 746-6980
c. ADDRESS (Include Zip Code) Commander, U.S. Army Missile Command, ATTN: AMSMI-RD-SE-TD-ST Redstone Arsenal, AL 35893-5270		IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT: Defense Quality and Standardization Office 5203 Leesburg Pike, Suite 1403, Falls Church, VA 22041-3466 Telephone (703) 756-2340 AUTOVON 289-2340	