

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
2. White/Black
3. White/Brown
4. White/Red
5. White/Green
6. White/Blue
7. White/Violet
8. White/Black/Black
9. White/Black/Brown
10. White/Black/Blue
11. White/Black/Orange
12. White/Black/Red
13. White/Black/Green
14. White/Black/Violet
15. White/Black/Gray
16. White/Brown/Brown
17. White/Brown/Blue
18. White/Brown/Red
19. White/Brown/Orange

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 Terephthalate
(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
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Finished Cable

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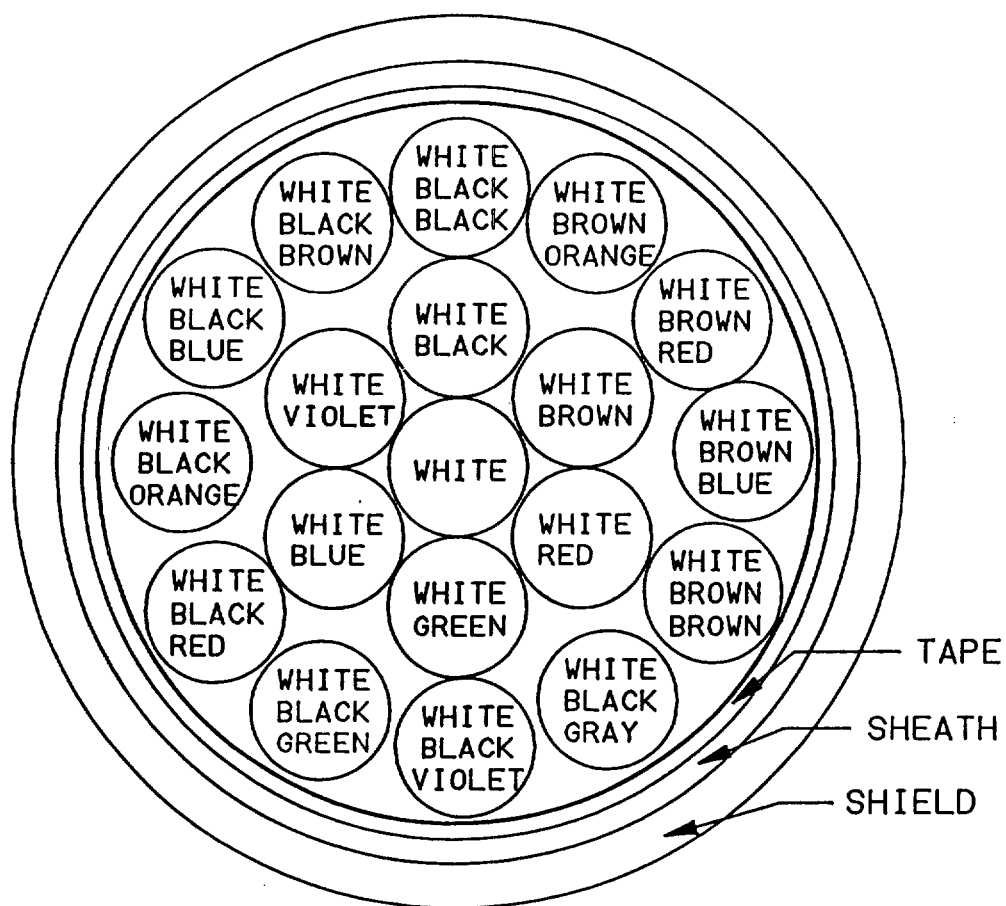


FIGURE 1.

Custodian:
Air Force - 17

3
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.

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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 (2) AUTOVON 205-876-6980 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	