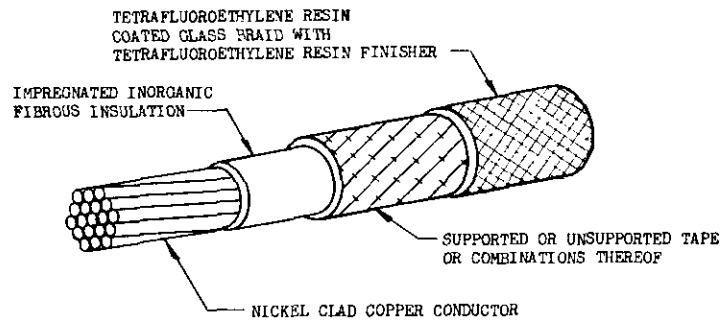


FED. SUP CLASS
6145

PERFORMANCE DETAILS														
WIRE SIZE	ABRASION TEST				FLAWS TEST	BEND TEST AND COLD BEND								
	RESISTANCE MINIMUM INCHES OF TAPE	TENSION LOAD LB	WEIGHT SUPPORT BRACKET	WEIGHT LB	MIN AC VOLTAGE 60 CYCLE RMS	MANDREL DIAMETER IN INCHES	TEST LOAD (LB)							
					FINISHED WIRE									
22	30	1	A	1	2500	6	2							
20														
18														
16														
14														
12	20	2	B	3		8	3							
10	22													
8	30													
6	36													
4	42													
2	40	C	C	4.25		16	10							
1	46													
0	52													
00	58													
000	64													
0000	70					24	15							
						24	20							
						24	25							
						24	30							

FINISHED WIRE CONSTRUCTION						
DASH NO.	WIRE SIZE	RESISTANCE AT 20°C (68°F) OHMS/1000 FT MAX	NO. OF STRANDS	DIAMETER IN INCHES		WEIGHT LB/1000 FT MAX
-22	22	23.7	19	.108	±.008	10
-20	20	14.6		.117		12
-18	18	9.14		.127		15
-16	16	6.85		.137	±.010	19
-14	14	4.32		.160		25
-12	12	2.68	49	.175		35
-10	10	1.59		.220	±.012	55
-8	8	.936		.268		85
-6	6	.591		.330		127
-4	4	.375		.395		192
-2	2	.241	665	.472	±.018	291
-1	1	.196	817	.515		347
-0	0	.153	1045	.555		415
-00	00	.120	1330	.615	±.020	520
-000	000	.096	1672	.680		648
-0000	0000	.077	2109	.750		793

C CANCELED AFTER 29 MARCH 1972.

USE MIL-W-25038/1.

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. USAF - 11 Other Cust Navy - AS	TITLE WIRE, ELECTRICAL - HIGH TEMPERATURE AND FIRE RESISTANT	MILITARY STANDARD MS27125
PROCUREMENT SPECIFICATION MIL-W-25038	SUPERSEDES:	SHEET 1 OF 1

Review activities: USAF - 11
Navy - AS

This standard has been approved by the Air Sys. (Department of the Navy) and the Department of the USAF and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.

APPROVED 5 Mar 62 REVISED A 9 Apr 63 B 19 May 65 C 29 Mar 72