

**KAISER
ALUMINUM**

KAISER ALUMINUM & CHEMICAL CORPORATION

June 9, 1986

Mr. Andrew Young
Public Works Division
Camp Lejeune Marine Corps Base
Camp Lejeune, NC 28542

Dear Mr. Young:

Attached is the sag & tension chart you requested for 155.4 KCMil, 7 Str., AAAC. The chart is based on medium loading conditions with a limit of 50% RBS. Also included is data at 60°F. with a 31 PSF wind.

I hope this provides the information you are looking for. If you need further information please do not hesitate to contact me.

Very truly yours,

Dick Leeds

Richard G. Leeds
Manager of Transmission
Products Engineering

RGL/gp

Enclosure

Gilbert & Sullivan

SAV-COTTON

155.4 KCMIL 7 STR AAAC (2/0 ED) -CAMP LEJEUNE- DATE 06-08-86
 SAG-TENSION DATA
 KAISER ALUMINUM AND CHEMICAL SALES, INC

COLUMN	1	2	3	4	5	6	7	8	9	10	11	12
SPAN	425 FT											
TEMP--DEG.F	15	32	0	15	32	40	50	60	60	120	167	194
ICE--INCHES	.25	.25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WIND---LBS	4.00	.00	.00	.00	.00	.00	.00	.00	31.00	.00	.00	.00
NESC FACTOR	.20											

FINAL SAGS- DEAD END SPANS

SAG-----FT	6.5	4.7	1.7	1.9	2.2	2.4	2.6	2.9	10.0	5.4	7.6	8.8
TENSION-LBS	2354	1761	1910	1708	1484	1382	1258	1140	2645	616	432	373
STRAND STRESS												
6201 PCT	42	31	34	30	26	25	22	20	47	11	8	7

INITIAL SAGS

SAG-----FT	5.7	3.7	1.3	1.4	1.6	1.6	1.7	1.9	9.2	3.0	4.8	6.0
TENSION-LBS	2695	2243	2464	2290	2094	2003	1884	1766	2864	1092	692	547
STRAND STRESS	*											
6201 PCT	48	40	44	41	37	36	34	31	51	19	12	10

CONDUCTOR DATA		STRESS STRAIN INFO		GOVERNING CONDITIONS			
AREA = .1221	SQ. IN.	S.S. CURVE=	307000	COLUMN TOP OF PAGE		0=EXCLUDED	
WEIGHT = .146	LB/FT.	F. MOD CORE=	0.	INITIALS---COLUMN		FINALS----COLUMN	
DIAMETER= .447	INCHES	F. MOD ALUM=	9170000.	COMPOSITE	.0 PCT RBS	0	.0 PCT RBS 0
STRENGTH=	5390 POUNDS	10YR CREEP		CORE	.0 PCT	0	.0 PCT 0
LIN. EXP=	.0000000 CORE	MODULUS=	5100000.	ALUM	.0 PCT	0	.0 PCT 0
	IN/IN .0000128 ALUM			SAG	.0 FT.	0	.0 FT. 0
ASTM PSI=	46000. 6201	TENSION TYPE=1		MAX TENSION	2695 LB		10 YR CREEP LIMITED
	0.						

*LIMITED BY 2695 LB MAX TENSION C4FIIM-31.7-42.5-50.0-1 COPYRIGHT KACC

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