General Cable

SAG AND TENSION TABLES FOR LASHED CABLES ON 16M STRAND

LIGHT LOADING AREAS

1.0" DIAMETER (0.7 #/FT.) FILLED FOAM-SKIN CABLE

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet)	(Inches)	SAG UNDER LIGHT LOADING (Feet)	(Inches)	EXPECTED TENSION UNDER LIGHT LOAD (Lbs.)	UNLOADED SAG AFTER STORM (Feet)	(Inches)
100	3600	0	4	0	7	3641	1	1
200	3600	1	6	2	2	3665	2	7
300	3600	3	4	4	10	3704	4	7
400	3600	5	11	8	7	3753	7	4
500	3600	9	4	13	2	3810	10	9
600	3600	13	5	18	8	3872	14	10
700	3600	18	3	24	11	3936	19	9
800	3600	23	10	32	1	4001	25	4
900	3600	30	1	39	11	4066	31	9
1000	3600	37	2	48	6	4130	38	10
1030	3600	39	5	51	3	4149	41	1

1.2" DIAMETER (0.9 #/FT.) FILLED FOAM-SKIN CABLE

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet)	(Inches)	SAG UNDER LIGHT LOADING (Feet)	(Inches)	EXPECTED TENSION UNDER LIGHT LOAD (Lbs.)	UNLOADED SAG AFTER STORM (Feet)	(Inches)
100	3600	0	5	0	8	3643	1	2
200	3600	1	9	2	6	3674	2	9
300	3600	3	12	5	7	3721	5	1
400	3600	7	1	9	9	3780	8	3
500	3600	11	0	15	0	3846	12	3
600	3600	15	11	21	3	3917	17	2
700	3600	21	7	28	5	3988	22	11
800	3600	28	3	36	6	4058	29	7
890	3600	34	11	44	6	4120	36	4

1.4" DIAMETER (1.4 #/FT.) FILLED FOAM-SKIN CABLE

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet)	(Inches)	SAG UNDER LIGHT LOADING (Feet)	(Inches)	EXPECTED TENSION UNDER LIGHT LOAD (Lbs.)	UNLOADED SAG AFTER STORM (Feet)	(Inches)
100	3600	0	7	0	10	3646	1	3
200	3600	2	6	3	2	3682	3	3
300	3600	5	6	6	12	3737	6	5
400	3600	9	10	12	3	3801	10	9
500	3600	15	4	18	9	3869	16	4
600	3600	22	2	26	7	3938	23	1
685	3600	28	10	34	1	3994	29	10

NOTES: Light loading is defined under NESC Rules 250 and 251 as 9 PSF horizontal wind pressure at 30º Fahrenheit and no ice. Stringing tensions are at 60º (F).

SAG AND TENSION TABLES FOR LASHED CABLES ON 16M STRAND

LIGHT LOADING AREAS

1.6" DIAMETER (1.8 #/FT.) FILLED FOAM-SKIN CABLE

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER LIGHT LOADING (Feet) - (Inches)		EXPECTED TENSION UNDER LIGHT LOAD (Lbs.)	UNLOADED SAG AFTER STORM (Feet) - (Inches)	
100	3600	0	9	0	11	3648	1	3
200	3600	3	0	3	8	3691	3	8
300	3600	6	9	8	2	3752	7	6
400	3600	12	1	14	4	3821	12	10
500	3600	18	10	21	11	3891	19	7
575	3600	24	11	28	8	3941	25	8

1.8" DIAMETER (2.4 #/FT.) FILLED FOAM-SKIN CABLE

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER LIGHT LOADING (Feet) - (Inches)		EXPECTED TENSION UNDER LIGHT LOAD (Lbs.)	UNLOADED SAG AFTER STORM (Feet) - (Inches)	
100	3600	1	0	1	2	3651	1	5
200	3600	3	10	4	6	3700	4	5
300	3600	8	8	9	11	3764	9	3
400	3600	15	5	17	4	3831	16	0
465	3600	20	10	23	2	3873	21	5

2.0" DIAMETER (2.7 #/FT.) FILLED FOAM-SKIN CABLE

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER LIGHT LOADING (Feet) - (Inches)		EXPECTED TENSION UNDER LIGHT LOAD (Lbs.)	UNLOADED SAG AFTER STORM (Feet) - (Inches)	
100	3600	1	1	1	3	3654	1	6
200	3600	4	3	4	11	3709	4	9
300	3600	9	7	10	10	3779	10	1
400	3600	17	1	18	11	3850	17	7
425	3600	19	3	21	4	3867	19	10

NOTES: Light loading is defined under NESC Rules 250 and 251 as 9 PSF horizontal wind pressure at 30º Fahrenheit and no ice. Stringing tensions are at 60º (F).