



**SAG AND TENSION TABLES FOR LASHED CABLES ON 10M 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		EXPECTED TENSION UNDER LIGHT LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
				(Feet) -	(Inches)		(Feet) -	(Inches)
100	2100	0	6	0	10	2156	1	3
200	2100	2	1	3	4	2218	3	1
300	2100	4	9	7	3	2301	5	10
400	2100	8	6	12	5	2393	9	8
500	2100	13	3	18	8	2485	14	6
600	2100	19	1	26	0	2572	20	4
700	2100	25	11	34	3	2652	27	4
720	2100	27	5	36	1	2668	28	10

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

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER LIGHT LOADING		EXPECTED TENSION UNDER LIGHT LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
				(Feet) -	(Inches)		(Feet) -	(Inches)
100	2100	0	8	0	12	2162	1	3
200	2100	2	7	3	10	2236	3	5
300	2100	5	10	8	4	2332	6	9
400	2100	10	4	14	2	2432	11	4
500	2100	16	2	21	4	2526	17	3
600	2100	23	4	29	9	2612	24	5
610	2100	24	1	30	8	2620	25	3

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

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER LIGHT LOADING		EXPECTED TENSION UNDER LIGHT LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
				(Feet) -	(Inches)		(Feet) -	(Inches)
100	2100	0	11	1	3	2167	1	5
200	2100	3	9	4	10	2250	4	5
300	2100	8	6	10	6	2344	9	2
400	2100	15	2	17	12	2431	15	10
450	2100	19	2	22	5	2469	19	10

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

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**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	2100	1	2	1	6	2173	1	7
200	2100	4	9	5	9	2263	5	3
300	2100	10	8	12	4	2354	11	2
370	2100	16	2	18	4	2410	16	9

**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	2100	1	6	1	10	2179	1	11
200	2100	6	2	6	12	2267	6	7
295	2100	13	5	14	8	2341	13	10

**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	2100	1	9	1	12	2185	2	1
200	2100	6	11	7	8	2278	7	3
265	2100	12	1	13	2	2330	12	5

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