



**SAG AND TENSION TABLES FOR LASHED CABLES ON 10M STRAND**

**MEDIUM ICE LOADING AREAS**

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

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER MEDIUM LOADING		EXPECTED TENSION UNDER MEDIUM LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
				(Feet) -	(Inches)		(Feet) -	(Inches)
100	2100	0	6	1	0	2187	1	3
200	2100	2	1	3	11	2285	3	1
300	2100	4	9	8	4	2411	5	11
400	2100	8	6	14	0	2544	9	9
500	2100	13	3	20	10	2674	14	7
600	2100	19	1	28	8	2796	20	6
640	2100	21	8	32	1	2842	23	2

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

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER MEDIUM LOADING		EXPECTED TENSION UNDER MEDIUM LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
				(Feet) -	(Inches)		(Feet) -	(Inches)
100	2100	0	8	1	2	2196	1	3
200	2100	2	7	4	5	2312	3	5
300	2100	5	10	9	5	2454	6	10
400	2100	10	4	15	9	2597	11	5
500	2100	16	2	23	5	2730	17	4
545	2100	19	3	27	3	2787	20	5

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

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER MEDIUM LOADING		EXPECTED TENSION UNDER MEDIUM LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
				(Feet) -	(Inches)		(Feet) -	(Inches)
100	2100	0	11	1	6	2212	1	6
200	2100	3	9	5	6	2353	4	5
300	2100	8	6	11	8	2506	9	3
400	2100	15	2	19	8	2644	15	11
410	2100	15	11	20	6	2657	16	8

NOTES: Medium ice loading is defined under NESC Rules 250 and 251 as 0.25 inch radius thickness of ice and 4 PSF horizontal wind pressure at 15° F. Stringing tensions are at 60° F.

**SAG AND TENSION TABLES FOR LASHED CABLES ON 10M STRAND**

**MEDIUM LOADING AREAS**

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

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER MEDIUM LOADING (Feet) - (Inches)		EXPECTED TENSION UNDER MEDIUM LOAD (Lbs.)	UNLOADED SAG AFTER STORM (Feet) - (Inches)	
100	2100	1	2	1	9	2227	1	8
200	2100	4	9	6	5	2385	5	3
300	2100	10	8	13	6	2540	11	3
340	2100	13	8	17	0	2595	14	3

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

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER MEDIUM LOADING (Feet) - (Inches)		EXPECTED TENSION UNDER MEDIUM LOAD (Lbs.)	UNLOADED SAG AFTER STORM (Feet) - (Inches)	
100	2100	1	6	2	1	2244	1	11
200	2100	6	2	7	8	2415	6	7
270	2100	11	3	13	5	2521	11	8

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

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER MEDIUM LOADING (Feet) - (Inches)		EXPECTED TENSION UNDER MEDIUM LOAD (Lbs.)	UNLOADED SAG AFTER STORM (Feet) - (Inches)	
100	2100	1	9	2	3	2257	2	1
200	2100	6	11	8	4	2436	7	3
245	2100	10	4	12	2	2506	10	9

NOTES: Medium ice loading is defined under NESC Rules 250 and 251 as 0.25 inch radius thickness of ice and 4 PSF horizontal wind pressure at 15° F. Stringing tensions are at 60° F.