



SAG AND TENSION TABLES FOR LASHED CABLES ON 16M STRAND

HEAVY 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 HEAVY LOADING (Feet) - (Inches)		EXPECTED TENSION UNDER HEAVY LOAD (Lbs.)	UNLOADED SAG AFTER STORM (Feet) - (Inches)	
100	3600	0	4	0	11	3702	1	1
200	3600	1	6	3	8	3805	2	7
300	3600	3	4	7	10	3953	4	8
400	3600	5	11	13	5	4126	7	5
600	3600	13	5	27	7	4497	15	1
670	3600	16	8	33	6	4627	18	6

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

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER HEAVY LOADING (Feet) - (Inches)		EXPECTED TENSION UNDER HEAVY LOAD (Lbs.)	UNLOADED SAG AFTER STORM (Feet) - (Inches)	
100	3600	0	5	1	0	3710	1	2
200	3600	1	9	4	0	3833	2	9
300	3600	3	12	8	8	4004	5	2
400	3600	7	1	14	9	4199	8	4
500	3600	11	0	21	11	4402	12	5
595	3600	15	7	29	9	4593	17	1

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

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER HEAVY LOADING (Feet) - (Inches)		EXPECTED TENSION UNDER HEAVY LOAD (Lbs.)	UNLOADED SAG AFTER STORM (Feet) - (Inches)	
100	3600	0	7	1	3	3725	1	3
200	3600	2	6	4	9	3880	3	3
300	3600	5	6	10	2	4084	6	5
485	3600	14	6	24	3	4490	15	6

NOTES: Heavy ice loading is defined under NESC Rules 250 and 251 as 0.5 inch radial thickness of ice and 4 PSF horizontal wind pressure at 0° Fahrenheit.

Stringing tension is at 60° F.

SAG AND TENSION TABLES FOR LASHED CABLES ON 16M STRAND

HEAVY ICE LOADING AREAS

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

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER HEAVY LOADING		EXPECTED TENSION UNDER HEAVY LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
				(Feet) -	(Inches)		(Feet) -	(Inches)
100	3600	0	9	1	5	3738	0	10
200	3600	3	0	5	5	3921	3	1
420	3600	13	4	21	0	4434	13	5

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

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER HEAVY LOADING		EXPECTED TENSION UNDER HEAVY LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
				(Feet) -	(Inches)		(Feet) -	(Inches)
100	3600	0	12	1	8	3756	1	5
200	3600	3	10	6	3	3972	4	5
300	3600	8	8	13	2	4225	9	4
350	3600	11	9	17	5	4350	12	5

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

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER HEAVY LOADING		EXPECTED TENSION UNDER HEAVY LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
				(Feet) -	(Inches)		(Feet) -	(Inches)
100	3600	1	1	1	9	3769	1	10
200	3600	4	3	6	8	4008	5	3
300	3600	9	7	14	2	4277	10	8
320	3600	10	11	15	11	4330	12	0

NOTES: Heavy ice loading is defined under NESC Rules 250 and 251 as 0.5 inch radial thickness of ice and 4 PSF horizontal wind pressure at 0° Fahrenheit.

Stringing tension is at 60° F.