General Cable

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 0º Fahrenheit.

Stringing tession is at 60º 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 (Feet)	(Inches)	EXPECTED TENSION UNDER HEAVY LOAD (Lbs.)	UNLOADED SAG AFTER STORM (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 (Feet)	(Inches)	EXPECTED TENSION UNDER HEAVY LOAD (Lbs.)	UNLOADED SAG AFTER STORM (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 (Feet)	(Inches)	EXPECTED TENSION UNDER HEAVY LOAD (Lbs.)	UNLOADED SAG AFTER STORM (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 0º Fahrenheit.

Stringing tession is at 60º F.