



SAG AND TENSION TABLES FOR LASHED CABLES ON 1/4 INCH STRAND

HEAVY ICE LOADING AREAS

0.5" DIAMETER (0.2 #/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	1100	0	4	1	7	1289	1	2
200	1100	1	6	5	6	1518	2	10
300	1100	3	3	10	9	1749	5	1
400	1100	5	10	16	11	1966	8	0
500	1100	9	1	24	0	2166	11	7
540	1100	10	8	27	1	2241	13	3

0.6" DIAMETER (0.25 #/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	1100	0	5	1	8	1303	1	2
200	1100	1	8	5	9	1547	2	11
300	1100	3	10	11	2	1789	5	5
400	1100	6	9	17	8	2011	8	8
500	1100	10	6	25	1	2216	12	9

0.7" DIAMETER (0.3 #/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	1100	0	6	1	10	1316	1	3
200	1100	1	11	6	0	1576	3	1
300	1100	4	4	11	8	1826	5	10
400	1100	7	8	18	5	2055	9	6
460	1100	10	1	23	0	2181	12	1

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 1/4 INCH STRAND

HEAVY ICE LOADING AREAS

0.8" DIAMETER (0.4 #/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	1100	0	7	1	11	1334	1	3
200	1100	2	4	6	5	1609	3	5
300	1100	5	4	12	5	1867	6	8
400	1100	9	6	19	7	2096	11	0
415	1100	10	2	20	9	2128	11	9

0.9" DIAMETER (0.5 #/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	1100	0	8	2	1	1351	1	4
200	1100	2	10	6	9	1641	3	9
300	1100	6	4	13	1	1903	7	6
375	1100	9	11	18	9	2076	11	3

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	1100	0	11	2	3	1375	1	6
200	1100	3	9	7	4	1675	4	6
300	1100	8	5	14	5	1931	9	4
320	1100	9	7	16	0	1976	10	6

1.1" DIAMETER (0.8 #/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	1100	1	1	2	4	1392	1	7
200	1100	4	2	7	9	1700	4	11
295	1100	9	1	14	9	1943	9	11

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 1/4 INCH STRAND

HEAVY ICE LOADING AREAS

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	1100	1	2	2	6	1408	1	8
200	1100	4	8	8	1	1723	5	4
275	1100	8	9	13	9	1918	9	6

1.3" DIAMETER (1.2 #/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	1100	1	6	2	9	1432	1	11
200	1100	6	0	9	0	1741	6	6
230	1100	7	11	11	5	1816	8	6

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	1100	1	9	2	11	1450	1	11
200	1100	6	11	9	9	1753	7	2
210	1100	7	7	10	7	1777	7	11

1.5" DIAMETER (1.5 #/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	1100	1	10	3	1	1463	2	2
195	1100	7	0	9	8	1755	7	5

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 1/4 INCH 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	1100	2	2	3	4	1480	2	6
170	1100	6	4	8	4	1694	6	8

1.7" DIAMETER (2.1 #/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	1100	2	6	3	7	1493	2	9
155	1100	6	1	7	9	1657	6	4

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	1100	2	10	3	10	1503	3	1
140	1100	5	7	7	0	1620	5	11

1.9" DIAMETER (2.6 #/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	1100	3	1	4	1	1512	3	4
130	1100	5	3	6	6	1600	5	6

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	1100	3	2	4	2	1521	3	5
125	1100	5	0	6	2	1596	5	3

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.