General Cable

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 0º Fahrenheit.

Stringing tession is at 60º 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 0º Fahrenheit.

Stringing tession is at 60º 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 0º Fahrenheit.

Stringing tession is at 60º 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 0º Fahrenheit.

Stringing tession is at 60º F.