



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

MEDIUM 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	1	1199	1	1
200	1100	1	6	3	11	1313	2	8
300	1100	3	3	8	0	1445	4	10
400	1100	5	10	13	0	1575	7	7
500	1100	9	1	18	10	1698	11	1
600	1100	13	2	25	5	1813	15	4
700	1100	17	10	32	8	1920	20	2
780	1100	22	2	38	11	1999	24	8

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	2	1206	1	2
200	1100	1	8	4	2	1332	2	10
300	1100	3	10	8	6	1472	5	2
400	1100	6	9	13	10	1607	8	4
500	1100	10	6	20	0	1733	12	4
600	1100	15	2	27	0	1849	17	1
700	1100	20	8	34	9	1955	22	9
710	1100	21	3	35	7	1965	23	4

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	3	1213	1	2
200	1100	1	11	4	5	1350	2	11
300	1100	4	4	9	0	1498	5	7
400	1100	7	8	14	7	1638	9	1
500	1100	12	0	21	2	1765	13	7
600	1100	17	3	28	7	1881	19	0
645	1100	19	11	32	3	1929	21	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.

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

MEDIUM 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	4	1223	1	3
200	1100	2	4	4	10	1372	3	3
300	1100	5	4	9	9	1526	6	5
400	1100	9	6	15	11	1665	10	9
500	1100	14	10	23	2	1789	16	2
560	1100	18	7	28	0	1855	19	0

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	1	6	1233	1	3
200	1100	2	10	5	3	1393	3	8
300	1100	6	4	10	7	1549	7	4
400	1100	11	3	17	3	1687	12	4
495	1100	17	3	24	9	1799	18	5

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	1	8	1247	1	5
200	1100	3	9	5	11	1416	4	5
300	1100	8	5	12	0	1567	9	2
400	1100	14	11	19	10	1689	15	9
405	1100	15	4	20	3	1694	16	2

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 1/4 INCH STRAND

MEDIUM ICE LOADING AREAS

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	1	10	1257	1	6
200	1100	4	2	6	4	1432	4	9
300	1100	9	5	12	11	1581	10	1
370	1100	14	4	18	7	1666	15	1

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	1	11	1266	1	7
200	1100	4	8	6	9	1446	5	2
300	1100	10	5	13	9	1593	11	1
335	1100	13	0	16	8	1635	13	8

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	2	1281	1	10
200	1100	6	0	7	9	1456	6	5
275	1100	11	4	13	9	1553	11	10

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	5	1291	2	1
200	1100	6	11	8	6	1461	7	4
240	1100	9	11	11	10	1512	10	4

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 1/4 INCH STRAND

MEDIUM ICE LOADING AREAS

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	2	6	1299	2	2
200	1100	7	4	8	11	1470	7	9
230	1100	9	9	11	6	1507	10	1

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	2	10	1309	2	5
200	1100	8	9	10	1	1465	9	1

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	1	1316	2	9
175	1100	7	9	8	9	1430	8	0

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	5	1321	3	1
155	1100	6	11	7	9	1403	7	1

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

MEDIUM ICE LOADING AREAS

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	3	7	1326	3	3
145	1100	6	6	7	3	1392	6	9

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	3	9	1331	3	5
140	1100	6	3	7	0	1391	6	6

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.

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