



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

LIGHT 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	0	10	1162	1	1
200	1100	1	6	3	3	1237	2	7
300	1100	3	3	6	9	1328	4	8
400	1100	5	10	11	3	1422	7	5
500	1100	9	1	16	6	1513	10	11
600	1100	13	2	22	5	1598	15	1
700	1100	17	10	29	1	1678	19	11
800	1100	23	4	36	5	1751	25	6
900	1100	29	7	44	5	1818	31	10
920	1100	30	10	46	1	1831	33	2

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	0	11	1169	1	2
200	1100	1	8	3	6	1254	2	9
300	1100	3	10	7	4	1356	5	1
400	1100	6	9	12	2	1457	8	3
500	1100	10	6	17	10	1552	12	2
600	1100	15	2	24	4	1640	16	11
700	1100	20	8	31	7	1720	22	6
800	1100	27	0	39	7	1793	28	11
810	1100	27	8	40	5	1800	29	7

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	0	1175	1	2
200	1100	1	11	3	10	1272	2	11
300	1100	4	4	7	11	1383	5	6
400	1100	7	8	13	1	1490	9	0
500	1100	12	0	19	2	1589	13	5
600	1100	17	3	26	2	1678	18	10
700	1100	23	5	34	0	1758	25	1
730	1100	25	6	36	6	1781	27	2

NOTES: Light loading is defined under NESC Rules 250 and 251 as 9 PSF horizontal wind pressure at 30° Fahrenheit and no ice. Stringing tensions are at 60° (F).

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

LIGHT 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	2	1182	1	3
200	1100	2	4	4	3	1288	3	3
300	1100	5	4	8	9	1402	6	4
400	1100	9	6	14	5	1509	10	7
500	1100	14	10	21	3	1603	16	0
600	1100	21	4	29	1	1684	22	7
625	1100	23	2	31	3	1703	24	5

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	3	1188	1	3
200	1100	2	10	4	8	1303	3	7
300	1100	6	4	9	7	1419	7	3
400	1100	11	3	15	10	1522	12	3
500	1100	17	8	23	5	1610	18	8
545	1100	21	0	27	3	1645	22	0

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	5	1194	1	5
200	1100	3	9	5	3	1309	4	4
300	1100	8	5	11	0	1415	9	1
400	1100	14	11	18	5	1501	15	8
440	1100	18	1	21	11	1530	18	10

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

LIGHT 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	7	1201	1	6
200	1100	4	2	5	8	1321	4	9
300	1100	9	5	11	10	1425	10	0
400	1100	16	9	20	0	1506	17	5

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	8	1207	1	7
200	1100	4	8	6	1	1331	5	2
300	1100	10	5	12	9	1434	11	0
365	1100	15	5	18	3	1485	16	1

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	1	11	1210	1	10
200	1100	6	0	7	2	1321	6	5
295	1100	13	1	14	8	1395	13	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	2	1214	2	0
200	1100	6	11	7	11	1318	7	3
260	1100	11	8	12	11	1361	12	1

NOTES: Light loading is defined under NESC Rules 250 and 251 as 9 PSF horizontal wind pressure at 30° Fahrenheit and no ice. Stringing tensions are at 60° (F).

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

LIGHT 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	3	1220	2	2
200	1100	7	4	8	4	1324	7	8
245	1100	11	1	12	3	1357	11	5

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	7	1220	2	5
200	1100	8	9	9	6	1309	9	0
210	1100	9	8	10	5	1315	9	11

1.7" DIAMETER (2.1 #/FT.) FILLED FOAM-SKIN CABLE

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER HEAVY (Feet) - (Inches)		EXPECTED TENSION UNDER HEAVY LOAD (Lbs.)	UNLOADED SAG AFTER STORM (Feet) - (Inches)	
100	1100	2	6	2	10	1219	2	9
185	1100	8	8	9	3	1286	8	11

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	2	1217	3	1
165	1100	7	10	8	3	1264	8	0

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

LIGHT 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	4	1218	3	3
150	1100	6	11	7	4	1254	7	2

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	6	1222	3	5
145	1100	6	9	7	1	1255	6	11

NOTES: Light loading is defined under NESC Rules 250 and 251 as 9 PSF horizontal wind pressure at 30° Fahrenheit and no ice. Stringing tensions are at 60° (F).