



SAG AND TENSION TABLES FOR LIGHT LOADING  
PE-38 0.4" DIAMETER FIGURE 8 CABLE

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER LIGHT LOADING		EXPECTED TENSION UNDER LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
				(Feet) - (Inches)	(Feet) - (Inches)		(Feet) - (Inches)	(Feet) - (Inches)
50	200	0	4	0	8	307	0	5
75	200	0	9	1	5	350	0	10
100	200	1	5	2	3	387	1	6
125	200	2	2	3	3	418	2	3
150	200	3	1	4	4	444	3	2
175	200	4	3	5	8	466	4	4
200	200	5	6	7	1	485	5	7
225	200	7	0	8	8	502	7	1
250	200	8	7	10	5	515	8	9
275	250	8	4	10	10	602	8	6
300	250	9	11	12	7	617	10	1
325	250	11	7	14	5	630	11	10
350	250	13	6	16	5	643	13	8
375	300	12	11	16	8	728	13	2
400	300	14	8	18	7	742	14	11
425	350	14	2	18	11	821	14	6
450	350	15	11	20	10	836	16	3
475	400	15	6	21	4	911	15	11
500	400	17	2	23	3	926	17	7

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 LIGHT LOADING  
PE-38 0.5" DIAMETER FIGURE 8 CABLE

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER LIGHT LOADING		EXPECTED TENSION UNDER LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
				(Feet) - (Inches)	(Feet) - (Inches)		(Feet) - (Inches)	(Feet) - (Inches)
50	200	0	5	0	9	315	0	6
75	200	0	11	1	6	359	1	0
100	200	1	8	2	6	394	1	9
125	200	2	8	3	7	423	2	9
150	200	3	10	4	11	446	3	11
175	200	5	2	6	5	465	5	3
200	200	6	9	8	1	481	6	10
225	200	8	7	10	0	493	8	8
250	200	10	7	12	1	504	10	8
275	250	10	3	12	4	597	10	4
300	250	12	2	14	4	609	12	3
325	300	11	11	14	9	696	12	1
350	300	13	9	16	9	709	14	0
375	350	13	7	17	3	791	13	10
400	350	15	5	19	4	805	15	8
425	400	15	3	19	10	883	15	7
450	400	17	1	21	11	898	17	5
475	450	16	11	22	6	974	17	4
500	500	16	11	23	3	1045	17	4

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 LIGHT LOADING  
PE-38 0.6" DIAMETER FIGURE 8 CABLE

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER LIGHT LOADING		EXPECTED TENSION UNDER LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
				(Feet) - (Inches)	(Feet) - (Inches)		(Feet) - (Inches)	(Feet) - (Inches)
50	200	0	6	0	10	324	0	6
75	200	1	1	1	8	368	1	2
100	200	1	11	2	8	403	2	0
125	200	3	0	3	11	430	3	1
150	200	4	4	5	4	451	4	5
175	200	5	11	7	1	468	6	0
200	200	7	9	8	11	482	7	10
225	250	7	10	9	6	572	8	0
250	250	9	8	11	6	586	9	10
275	300	9	9	12	1	673	9	11
300	300	11	8	14	1	687	11	9
325	350	11	8	14	9	770	11	11
350	400	11	10	15	7	848	12	2
375	400	13	7	17	6	865	13	11
400	400	15	6	19	7	881	15	9
425	450	15	7	20	4	958	15	11
450	500	15	8	21	2	1031	16	1
475	500	17	6	23	2	1048	17	11
500	550	17	7	24	0	1120	18	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 LIGHT LOADING  
PE-38 0.7" DIAMETER FIGURE 8 CABLE

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER LIGHT LOADING		EXPECTED TENSION UNDER LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
				(Feet) - (Inches)	(Feet) - (Inches)		(Feet) - (Inches)	(Feet) - (Inches)
50	200	0	8	0	11	326	0	8
75	200	1	5	1	10	365	1	5
100	200	2	6	3	1	393	2	7
125	200	3	11	4	7	413	3	11
150	200	5	8	6	4	428	5	8
175	200	7	8	8	5	439	7	9
200	250	8	0	9	2	529	8	1
225	300	8	5	9	12	613	8	7
250	300	10	5	12	1	627	10	6
275	350	10	10	12	11	709	10	11
300	350	12	10	15	1	723	13	0
325	400	13	2	15	11	804	13	5
350	450	13	7	16	10	881	13	10
375	500	14	1	17	9	956	14	4
400	550	14	7	18	10	1029	14	11
425	600	15	1	19	10	1100	15	6
450	600	16	11	21	11	1117	17	3
475	650	17	4	23	0	1187	17	10
500	650	19	3	25	1	1205	19	9

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 LIGHT LOADING  
PE-38 0.8" DIAMETER FIGURE 8 CABLE

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER LIGHT LOADING		EXPECTED TENSION UNDER LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
				(Feet) - (Inches)	(Feet) - (Inches)		(Feet) - (Inches)	(Feet) - (Inches)
50	200	0	9	1	0	328	0	9
75	200	1	8	2	1	363	1	9
100	200	3	0	3	6	385	3	0
125	200	4	8	5	3	401	4	9
150	200	6	9	7	4	411	6	10
175	250	7	4	8	2	499	7	5
200	300	8	0	9	2	584	8	1
225	350	8	8	10	2	665	8	10
250	350	10	9	12	4	679	10	10
275	400	11	4	13	4	759	11	6
300	450	12	0	14	5	836	12	2
325	500	12	8	15	6	911	12	11
350	550	13	4	16	8	985	13	8
375	600	14	1	17	9	1057	14	5
400	600	16	0	19	11	1075	16	4
425	650	16	8	21	1	1146	17	1
450	700	17	4	22	3	1216	17	10
475	750	18	1	23	6	1285	18	7
500	800	18	9	24	8	1354	19	4

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 LIGHT LOADING  
PE-38 0.9" DIAMETER FIGURE 8 CABLE

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER LIGHT LOADING		EXPECTED TENSION UNDER LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
				(Feet) - (Inches)	(Feet) - (Inches)		(Feet) - (Inches)	(Feet) - (Inches)
50	200	0	11	1	1	329	0	11
75	200	2	0	2	4	359	2	0
100	200	3	6	3	11	377	3	6
125	200	5	6	5	11	389	5	6
150	250	6	4	6	11	475	6	4
175	300	7	2	8	1	558	7	3
200	350	8	0	9	2	639	8	1
225	400	8	10	10	4	718	9	0
250	400	10	11	12	6	732	11	1
275	450	11	9	13	8	810	11	11
300	500	12	7	14	11	886	12	10
325	550	13	5	16	2	961	13	8
350	600	14	3	17	5	1034	14	7
375	650	15	2	18	8	1107	15	6
400	700	16	0	19	11	1178	16	4
425	750	16	10	21	3	1248	17	3
450	800	17	9	22	7	1318	18	2
475	900	17	7	23	1	1435	18	1
500	950	18	5	24	5	1502	19	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 LIGHT LOADING  
PE-38 1.0" DIAMETER FIGURE 8 CABLE

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER LIGHT LOADING		EXPECTED TENSION UNDER LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
				(Feet) - (Inches)	(Feet) - (Inches)		(Feet) - (Inches)	(Feet) - (Inches)
50	200	1	0	1	2	330	1	0
75	200	2	3	2	6	357	2	3
100	200	3	11	4	3	372	4	0
125	250	4	11	5	5	457	5	0
150	300	5	11	6	8	539	6	0
175	300	8	0	8	10	552	8	1
200	350	9	0	10	1	634	9	1
225	400	10	0	11	4	714	10	1
250	500	9	10	11	8	852	10	0
275	500	11	11	13	10	868	12	1
300	600	11	10	14	4	1000	12	1
325	650	12	10	15	8	1073	13	1
350	700	13	9	17	0	1145	14	1
375	750	14	9	18	5	1216	15	1
400	800	15	9	19	10	1287	16	2
425	850	16	9	21	3	1356	17	2
450	950	16	9	21	11	1474	17	4
475	1000	17	9	23	4	1542	18	4
500	1100	17	11	24	1	1655	18	7

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 LIGHT LOADING  
PE-38 1.1" DIAMETER FIGURE 8 CABLE

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER LIGHT LOADING		EXPECTED TENSION UNDER LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
				(Feet) - (Inches)	(Feet) - (Inches)		(Feet) - (Inches)	(Feet) - (Inches)
50	200	1	2	1	4	323	1	3
75	200	2	8	2	11	342	2	8
100	250	3	10	4	2	424	3	10
125	300	4	11	5	6	503	5	0
150	350	6	1	6	10	582	6	2
175	400	7	3	8	2	659	7	4
200	500	7	7	8	10	794	7	9
225	500	9	7	11	0	811	9	9
250	600	9	11	11	8	942	10	1
275	650	11	1	13	1	1014	11	3
300	700	12	3	14	7	1086	12	6
325	800	12	7	15	4	1209	12	10
350	800	14	7	17	7	1228	14	10
375	900	14	10	18	4	1349	15	3
400	1000	15	2	19	2	1466	15	8
425	1000	17	2	21	5	1486	17	8
450	1100	17	6	22	3	1602	18	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 LIGHT LOADING  
PE-38 1.2" DIAMETER FIGURE 8 CABLE

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER LIGHT LOADING		EXPECTED TENSION UNDER LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
				(Feet) - (Inches)	(Feet) - (Inches)		(Feet) - (Inches)	(Feet) - (Inches)
50	200	1	5	1	7	312	1	5
75	200	3	2	3	4	326	3	3
100	250	4	7	4	10	404	4	7
125	350	5	1	5	7	547	5	2
150	400	6	5	7	0	622	6	6
175	450	7	9	8	7	697	7	10
200	500	9	1	10	1	771	9	2
225	600	9	7	10	11	902	9	9
250	700	10	2	11	10	1028	10	4
275	800	10	9	12	9	1151	11	0
300	900	11	5	13	9	1271	11	8
325	900	13	4	15	11	1291	13	8
350	1000	13	11	16	11	1409	14	4
375	1100	14	7	17	11	1526	15	0

SAG AND TENSION TABLES FOR LIGHT LOADING  
PE-38 1.3" DIAMETER FIGURE 8 CABLE

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER LIGHT LOADING		EXPECTED TENSION UNDER LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
				(Feet) - (Inches)	(Feet) - (Inches)		(Feet) - (Inches)	(Feet) - (Inches)
50	200	1	7	1	8	310	1	7
75	200	3	6	3	8	321	3	6
100	300	4	2	4	6	466	4	2
125	350	5	7	6	0	543	5	8
150	450	6	3	6	11	679	6	4
175	500	7	8	8	6	753	7	9
200	600	8	4	9	5	883	8	6
225	700	9	0	10	6	1010	9	3
250	750	10	5	12	1	1081	10	7
275	800	11	10	13	8	1152	12	1
300	900	12	6	14	9	1274	12	9
325	1000	13	2	15	10	1394	13	7
350	1100	13	11	16	11	1512	14	4

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 LIGHT LOADING  
PE-38 1.4" DIAMETER FIGURE 8 CABLE

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER LIGHT LOADING		EXPECTED TENSION UNDER LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
				(Feet) - (Inches)	(Feet) - (Inches)		(Feet) - (Inches)	(Feet) - (Inches)
50	200	1	11	2	0	296	1	11
75	250	3	5	3	6	371	3	5
100	350	4	3	4	7	508	4	4
125	400	5	10	6	3	581	5	11
150	500	6	9	7	4	713	6	10
175	600	7	8	8	5	841	7	9
200	700	8	7	9	7	967	8	9
225	800	9	6	10	9	1090	9	8
250	900	10	5	12	0	1212	10	8
275	1000	11	4	13	2	1332	11	7
300	1100	12	3	14	5	1450	12	7

SAG AND TENSION TABLES FOR LIGHT LOADING  
PE-38 1.5" DIAMETER FIGURE 8 CABLE

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER LIGHT LOADING		EXPECTED TENSION UNDER LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
				(Feet) - (Inches)	(Feet) - (Inches)		(Feet) - (Inches)	(Feet) - (Inches)
50	200	2	0	2	1	294	2	1
75	250	3	8	3	9	368	3	8
100	350	4	8	4	11	505	4	8
125	500	5	1	5	7	696	5	2
150	600	6	1	6	9	823	6	2
175	650	7	8	8	6	895	7	9
200	750	8	8	9	8	1020	8	10
225	850	9	8	10	11	1143	9	10
250	1000	10	2	11	9	1315	10	5
275	1100	11	2	13	1	1434	11	6

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 LIGHT LOADING  
PE-38 1.6" DIAMETER FIGURE 8 CABLE

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER LIGHT LOADING		EXPECTED TENSION UNDER LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
				(Feet) - (Inches)	(Feet) - (Inches)		(Feet) - (Inches)	(Feet) - (Inches)
50	250	1	11	2	0	346	1	11
75	300	3	6	3	8	418	3	6
100	400	4	8	4	11	550	4	9
125	500	5	10	6	3	680	5	11
150	650	6	6	7	1	862	6	7
175	750	7	8	8	5	986	7	9
200	850	8	10	9	9	1109	9	0
225	1000	9	6	10	9	1281	9	8
250	1100	10	8	12	1	1400	10	11

SAG AND TENSION TABLES FOR LIGHT LOADING  
PE-38 1.7" DIAMETER FIGURE 8 CABLE

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER LIGHT LOADING		EXPECTED TENSION UNDER LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
				(Feet) - (Inches)	(Feet) - (Inches)		(Feet) - (Inches)	(Feet) - (Inches)
50	250	2	1	2	2	341	2	1
75	350	3	4	3	6	473	3	4
100	450	4	7	4	10	602	4	7
125	600	5	4	5	10	785	5	5
150	700	6	8	7	2	910	6	9
175	800	7	11	8	8	1033	8	0
200	900	9	2	10	1	1155	9	4
225	1100	9	6	10	9	1377	9	9

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 LIGHT LOADING  
PE-38 1.8" DIAMETER FIGURE 8 CABLE

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER LIGHT LOADING		EXPECTED TENSION UNDER LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
				(Feet) - (Inches)	(Feet) - (Inches)		(Feet) - (Inches)	(Feet) - (Inches)
50	250	2	3	2	4	337	2	3
75	350	3	7	3	9	468	3	8
100	500	4	6	4	9	654	4	7
125	600	5	10	6	3	780	5	11
150	700	7	3	7	9	905	7	4
175	900	7	8	8	5	1133	7	10
200	1000	9	0	9	11	1254	9	2
225	1100	10	4	11	6	1375	10	7

SAG AND TENSION TABLES FOR LIGHT LOADING  
PE-38 1.9" DIAMETER FIGURE 8 CABLE

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER LIGHT LOADING		EXPECTED TENSION UNDER LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
				(Feet) - (Inches)	(Feet) - (Inches)		(Feet) - (Inches)	(Feet) - (Inches)
50	300	2	5	2	5	375	2	5
75	450	3	7	3	8	555	3	7
100	600	4	10	5	0	732	4	10
125	800	5	7	5	11	959	5	8
150	1000	6	6	7	0	1181	6	7
175	1100	8	0	8	7	1300	8	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).