



SAG AND TENSION TABLE FOR F DROP WIRE

HEAVY ICE LOADING AREAS

SPAN LENGTH (Feet)	STRINGING TENSION(LBS.)	STRINGING SAG		SAG UNDER HEAVY LOADING		EXPECTED TENSION UNDER HEAVY LOAD (Lbs.)
		(Feet) -	(Inches)	(Feet) -	(Inches)	
50	45	0	2	0	10	234
75	45	0	4	1	6	291
100	45	0	8	2	4	341
125	60	0	9	3	1	397
150	80	0	10	3	11	452
175	80	1	1	4	11	494

NOTE: Heavy ice loading is defined under NESC Rules 250 and 251 as 0.5 inch radius thickness of ice and 4 PSF horizontal wind pressure at 0° F. Stringing tensions are at 60° F.

MEDIUM ICE LOADING AREAS

SPAN LENGTH (Feet)	STRINGING TENSION(LBS.)	STRINGING SAG		SAG UNDER MEDIUM LOADING		EXPECTED TENSION UNDER MEDIUM LOAD (Lbs.)
		(Feet) -	(Inches)	(Feet)-	(Inches)	
50	45	0	2	0	10	203
75	45	0	4	1	5	252
100	45	0	8	2	2	295
125	60	0	9	2	11	345
150	80	0	10	3	8	395
175	80	1	1	4	7	431
200	85	1	5	5	6	468

NOTE: 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.

LIGHT LOADING AREAS

SPAN LENGTH (Feet)	STRINGING TENSION(LBS.)	STRINGING SAG		SAG UNDER LIGHT LOADING		EXPECTED TENSION UNDER LIGHT LOAD (Lbs.)
		(Feet)-	(Inches)	(Feet) -	(Inches)	
50	45	0	2	0	7	132
75	45	0	4	1	1	161
100	45	0	8	1	8	185
125	60	0	9	2	2	219
150	80	0	10	2	9	253
175	80	1	1	3	5	274
200	85	1	5	4	2	296

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