



## SAG AND TENSION TABLE FOR MEDIUM ICE LOADING AREAS

### TWO PAIR AERIAL SERVICE WIRE - NONMETALLIC (GSDW)

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER MEDIUM LOADING (Feet) - (Inches)		EXPECTED TENSION UNDER MEDIUM LOAD (Lbs.)	UNLOADED SAG AFTER STORM (Feet) - (Inches)	
50	40	0	4	1	6	122	0	11
75	40	0	9	2	8	153	1	7
100	40	1	5	4	1	179	2	5
125	40	2	2	5	7	203	3	5
150	40	3	1	7	4	224	4	7
175	50	3	4	8	10	254	5	5
200	55	4	0	10	6	277	6	5
225	60	4	8	12	4	300	7	6
250	60	5	9	14	4	318	8	10
275	70	5	11	16	1	344	9	8
300	70	7	1	18	3	361	11	1

### THREE PAIR AERIAL SERVICE WIRE - NONMETALLIC (GSDW)

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)	
50	60	0	3	1	5	133	1	0
75	60	0	7	2	6	164	1	8
100	60	1	1	3	10	192	2	6
125	65	1	6	5	3	219	3	4
150	75	1	11	6	8	248	4	3
175	80	2	5	8	3	273	5	3
200	80	3	2	10	1	294	6	5
225	100	3	2	11	6	326	7	4
250	130	3	0	12	9	362	8	4
275	170	2	9	13	11	401	9	5

### SIX PAIR AERIAL SERVICE WIRE - NONMETALLIC (GSDW)

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG (Feet) - (Inches)		SAG UNDER MEDIUM LOADING (Feet) - (Inches)		EXPECTED TENSION UNDER MEDIUM LOAD (Lbs.)	UNLOADED SAG AFTER STORM (Feet) - (Inches)	
50	60	0	5	1	4	156	1	1
75	60	1	0	2	5	191	1	11
100	60	1	10	3	9	220	2	11
125	65	2	7	5	2	251	4	0
150	75	3	3	6	7	284	5	1
175	80	4	1	8	2	312	6	4
200	90	4	9	9	9	341	7	5
225	90	6	1	11	8	361	9	0
250	100	6	9	13	4	391	10	2
275	100	8	2	15	5	410	11	10
300	110	8	10	17	1	438	13	1

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.