



SAG AND TENSION TABLE FOR LIGHT LOADING AREAS

TWO PAIR AERIAL SERVICE WIRE - NONMETALLIC (GSDW)

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG		SAG UNDER LIGHT LOADING		EXPECTED TENSION UNDER LIGHT LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
		(Feet) -	(Inches)	(Feet) -	(Inches)		(Feet) -	(Inches)
50	40	0	4	1	2	89	0	9
75	40	0	9	2	2	109	1	5
100	40	1	5	3	4	126	2	2
125	40	2	2	4	7	140	3	1
150	40	3	1	6	1	154	4	2
175	50	3	4	7	3	175	4	10
200	55	4	0	8	8	192	5	9
225	60	4	8	10	1	208	6	9
250	60	5	9	11	10	219	8	0
300	70	7	1	14	11	249	10	0
350	100	6	9	17	4	293	11	3
400	130	6	9	19	10	333	12	11
450	160	7	0	22	7	372	14	9

THREE PAIR AERIAL SERVICE WIRE - NONMETALLIC (GSDW)

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG		SAG UNDER HEAVY LOADING		EXPECTED TENSION UNDER HEAVY LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
		(Feet) -	(Inches)	(Feet) -	(Inches)		(Feet) -	(Inches)
50	50	0	4	1	2	97	0	10
75	50	0	8	2	1	118	1	6
100	50	1	3	3	3	136	2	3
125	50	1	11	4	7	152	3	2
150	60	2	4	5	9	174	4	0
175	60	3	2	7	2	188	5	1
200	60	4	2	8	10	201	6	3
225	75	4	3	9	11	225	6	11
250	75	5	3	11	8	237	8	2
300	100	5	8	14	3	279	9	11
350	130	5	11	16	11	321	11	9
400	160	6	3	19	7	361	13	10
450	200	6	4	22	1	406	16	1

SIX PAIR AERIAL SERVICE WIRE - NONMETALLIC (GSDW)

SPAN LENGTH (Feet)	STRINGING TENSION(Lbs.)	STRINGING SAG		SAG UNDER LIGHT LOADING		EXPECTED TENSION UNDER LIGHT LOAD (Lbs.)	UNLOADED SAG AFTER STORM	
		(Feet) -	(Inches)	(Feet) -	(Inches)		(Feet) -	(Inches)
50	60	0	5	1	1	120	1	0
75	60	1	0	2	1	144	1	9
100	60	1	10	3	3	163	2	8
125	65	2	7	4	5	185	3	8
150	75	3	3	5	8	210	4	8
175	80	4	1	7	0	229	5	10
200	90	4	9	8	5	250	6	10
225	90	6	1	10	1	264	8	3
250	100	6	9	11	5	287	9	5
300	110	8	10	14	9	321	12	1
350	130	10	2	17	8	363	14	6
400	150	11	6	20	9	405	16	11
450	200	10	11	22	9	468	18	7

NOTES: 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.