



SAG AND TENSION TABLE FOR 12 AWGC RURAL 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	5	0	11	229
75	45	0	10	1	8	277
100	45	1	6	2	7	316
125	60	1	9	3	5	376
150	80	1	11	4	3	437
175	80	2	7	5	4	472
200	85	3	2	6	5	511
225	90	3	10	7	7	548
250	100	4	3	8	8	591
275	100	5	1	10	0	620
300	110	5	6	11	2	661
350	120	6	11	13	9	728
400	140	7	9	16	3	805

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 HEAVY LOADING		EXPECTED TENSION UNDER HEAVY LOAD (Lbs.)
		(Feet)	(Inches)	(Feet)	(Inches)	
50	45	0	5	0	10	203
75	45	0	10	1	7	246
100	45	1	6	2	6	280
125	60	1	9	3	3	335
150	80	1	11	4	0	391
175	80	2	7	5	1	421
200	85	3	2	6	2	456
225	90	3	10	7	3	490
250	100	4	3	8	3	529
275	100	5	1	9	7	554
300	110	5	6	10	8	591
350	120	6	11	13	2	651
400	140	7	9	15	7	721

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 HEAVY LOADING		EXPECTED TENSION UNDER HEAVY LOAD (Lbs.)
		(Feet)	(Inches)	(Feet)	(Inches)	
50	45	0	5	0	8	134
75	45	0	10	1	4	157
100	45	1	6	2	1	175
125	60	1	9	2	8	213
150	80	1	11	3	3	254
175	80	2	7	4	2	270
200	85	3	2	5	0	292
225	90	3	10	5	11	312
250	100	4	3	6	9	339
275	100	5	1	7	10	352
300	110	5	6	8	9	377
350	120	6	11	10	9	415
400	140	7	9	12	7	463

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.