



SAG AND TENSION TABLE FOR 14 AWG C 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	3	0	10	235
75	45	0	7	1	7	289
100	45	1	0	2	5	336
125	60	1	2	3	3	394
150	80	1	3	4	1	452
175	80	1	9	5	1	491
200	85	2	2	6	1	533
225	90	2	7	7	2	573
250	100	2	10	8	3	616
275	100	3	5	9	6	649
300	100	4	1	10	9	680
350	100	5	7	13	6	740
400	100	7	3	16	5	795

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	3	0	10	203
75	45	0	7	1	6	250
100	45	1	0	2	4	290
125	60	1	2	3	1	342
150	80	1	3	3	10	394
175	80	1	9	4	9	428
200	85	2	2	5	9	464
225	90	2	7	6	9	499
250	100	2	10	7	9	537
275	100	3	5	8	11	566
300	100	4	1	10	1	593
350	100	5	7	12	8	644
400	100	7	3	15	5	691

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	3	0	7	133
75	45	0	7	1	2	160
100	45	1	0	1	10	181
125	60	1	2	2	4	217
150	80	1	3	2	11	254
175	80	1	9	3	8	273
200	85	2	2	4	5	295
225	90	2	7	5	3	317
250	100	2	10	6	0	342
275	100	3	5	6	11	358
300	100	4	1	7	11	373
350	100	5	7	10	1	400
400	100	7	3	12	5	425

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.