

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G31.116.5
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AT&T Co Standard

STRINGING SAGS

E STEEL LINE WIRE

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1. GENERAL

- 1.01 This section contains information regarding the stringing sags of **E steel line wire**.
- 1.02 Table No. 16 has been expanded to provide stringing sags for E steel line wire in shorter spans than were formerly covered. E steel line wire may at times be used in place of lower strength wire to obtain improved ground clearance in the shorter spans.
- 1.03 Detailed information regarding the determination of the storm loading area or average span lengths and the use of sag tables is contained in Section G31.116.1, Issue 2.
- 1.04 When E steel line wire is placed on the same pole line with wire of lower strength, the E wire should be sagged in accordance with the wire having the lowest strength.

2. INDEX OF SAG TABLES

- 2.01 The following indicates the table to be used for sagging wire in various loading areas and for various average span lengths.

<u>Kind of Line Wire</u>	<u>Storm Loading Area</u>	<u>Average Span Length (feet)</u>	<u>Table No.</u>
E Steel Line Wire	All	200-600	16

TABLE 16

SPAN LENGTH (FEET)	TEMPERATURE—DEGREES FAHRENHEIT												
	120	110	100	90	80	70	60	50	40	30	20	10	—10
	SAG (INCHES)												
200	8½	8	7½	7½	7	6½	6½	6	6	5½	5½	5½	5
225	10½	10	9½	9	9	8½	8	7½	7½	7	7	6½	6½
250	13	12½	12	11½	11	10½	10	9½	9½	9	8½	8½	8
275	16	15	14½	14	13	12½	12	11½	11	10½	10½	10	9½
300	19	18	17	16½	16	15	14½	14	13½	13	12½	12	11
325	22½	21	20	19	18½	17½	17	16½	15½	15	14½	14	13
350	26	24	23	22½	21½	20½	20	19	18	17½	16½	16	15
375	29½	28	26½	25½	24½	23½	22½	21½	21	20	19	18½	17½
400	33½	32	30½	29	28	26½	25½	24½	24	23	22	21	20
425	38	36	34½	33	31½	30	29	28	27	25½	24½	24	22½
450	42½	40½	38½	37	35	33½	32½	31	30	29	27½	27	25
475	47½	45	43	41	39½	37½	36	34½	33½	32	31	30	28
500	52½	50	47½	45½	43½	41½	40	38½	37	35½	34	33	31
525	58½	54½	52½	50	48	46	44½	42½	41	39	37½	36½	34
550	64½	60	57½	55	52½	50	48½	46½	45	43	41	40	37½
575	70½	65½	63	60	57½	55	53	51	49	47	45	43½	41
600	76½	71	68½	65½	62½	60	58	55	53	51	49	47½	44½
625	83	77	74	71	68	65	63	60	58	55½	53	51½	48½
650	89	83½	80½	77	73½	70	68	65	62½	60	57½	56	52½

3. TABLE OF STRINGING SAGS