

Conductor: Duplex "Chihuahua" Service Drop

Ruling Span:160.00 ft
Special Load Zone

Stringing Sag Table Using Initial Sag
Max Tension = 555 lb

Design: 50.0 % Ult. @ 0.0 °F, 0.50 in Ice, 4.00 lb/ft² Wind, Final

H Tens (lb)	57	51	46	43	40
Cond. Temp °F	0	32	60	90	120
Sag Span	Inches	Inches	Inches	Inches	Inches
80	11	12	13	15	16
90	14	16	17	18	20
100	17	19	21	23	24
110	21	23	25	27	29
120	25	28	30	33	35
130	29	33	35	38	41
140	34	38	41	45	48
150	39	43	47	51	55
160	44	49	54	58	62
170	50	56	61	66	70
180	56	62	68	74	79
190	62	70	76	82	88
200	69	77	84	91	98
210	76	85	93	100	108
220	83	93	102	110	118

Certain information such as the data, opinions or recommendations set forth herein or given by Southwire representatives, is intended as a general guide only. Each installation of overhead electrical conductor and/or conductor accessories involves special conditions creating problems that require individual solutions and, therefore, the recipient of this information has the sole responsibility in connection with the use of the information. Southwire does not assume any liability in connection with such information.

Conductor: Duplex "Chihuahua" Service Drop

Ruling Span:160.00 ft Stringing Sag Table Using Final Sag
 Special Load Zone Max Tension = 555 lb

Design: 50.0 % Ult. @ 0.0 °F, 0.50 in Ice, 4.00 lb/ft² Wind, Final

H Tens (lb)	47	43	40	38	36	32	347
Cond. Temp °F	0	32	60	90	120	200	32-Ice
Sag Span	Inches	Inches	Inches	Inches	Inches	Inches	Inches
80	13	14	15	16	17	20	18
90	17	18	20	21	22	25	23
100	21	23	24	26	27	31	28
110	25	27	29	31	33	37	34
120	30	33	35	37	39	44	41
130	35	38	41	44	46	52	48
140	41	44	47	50	53	61	56
150	47	51	54	58	61	70	64
160	53	58	62	66	70	79	73
170	60	65	70	74	79	89	82
180	67	73	78	83	88	100	92
190	75	82	87	93	98	112	103
200	83	91	97	103	109	124	114
210	91	100	107	114	120	137	125
220	100	110	117	125	132	150	138

Certain information such as the data, opinions or recommendations set forth herein or given by Southwire representatives, is intended as a general guide only. Each installation of overhead electrical conductor and/or conductor accessories involves special conditions creating problems that require individual solutions and, therefore, the recipient of this information has the sole responsibility in connection with the use of the information. Southwire does not assume any liability in connection with such information.

ADDER TABLE - Indicated in inches, based on final sag

Ambient Temperature (F°)

Span - ft	0 - 31	32 - 59	60 - 89	90 -119	120 >
80	7	6	5	4	3
90	8	7	5	4	3
100	10	8	7	5	4
110	12	10	8	6	4
120	14	11	9	7	5
130	17	14	11	8	6
140	20	17	14	11	8
150	23	19	16	12	9
160	26	21	17	13	9
170	29	24	19	15	10
180	33	27	22	17	12
190	37	30	25	19	14
200	41	33	27	21	15
210	46	37	30	23	17
220	50	40	33	25	18

#2 ACSR Sag Table – Short Span

Initial Sag – Inches						Final Sag – Inches						
Conductor Temperature (°F)						Conductor Temperature (°F)						
Span - Feet	0	32	60	90	120	0	32	60	90	120	200	32-Ice
80	1	2	2	3	5	2	2	4	5	6	8	7
100	2	2	3	5	8	2	4	6	8	10	13	12
120	3	3	5	7	12	3	5	9	12	14	19	17
140	4	5	6	10	16	5	7	12	16	19	25	23
160 – Ruling Span	5	6	8	13	21	6	10	15	21	24	33	30
180	6	8	11	17	26	8	12	20	27	31	42	38
200	7	10	13	21	32	10	15	24	33	38	52	47
Tension – lbs.	741	570	414	263	170	570	361	227	165	144	106	768
Heavy Load Tension = 1159 lbs.												

Adder Table - Indicated In Inches, Based On Final Sag					
Ambient Temperature (°F)					
Span- Feet	0 - 31	32 - 59	60 - 89	90 -119	120 >
80	6	6	4	3	2
100	11	9	7	5	3
120	16	14	10	7	5
140	20	18	13	9	6
160	27	23	18	12	9
180	34	30	22	15	11
200	42	37	28	19	14

Specifications	
Feet per lb.	10.95 ft.
Breaking Load	2850 lbs.
Diameter	0.316 in.
Stranding	6 Alum / 1 Steel
Cross-Sectional Area	0.0608 sq. in.
Standard Reel	9695 ft. (885 lbs.)
Code Word	Sparrow
Ampacity	190 Amps
Material Number	103-3441

#2 ACSR Sag Table – Medium Span

Initial Sag – Inches						Final Sag – Inches						
Conductor Temperature (°F)						Conductor Temperature (°F)						
Span - Feet	0	32	60	90	120	0	32	60	90	120	200	32-Ice
120	2	3	4	5	7	3	5	7	9	10	12	14
140	3	4	5	7	10	5	7	10	12	13	17	18
160	4	5	6	9	13	6	9	13	15	17	22	24
180	5	6	8	11	16	8	12	16	19	22	28	31
200	6	8	10	14	20	10	14	20	24	27	35	38
220	8	9	12	17	24	12	17	24	29	32	42	46
240 - Ruling Span	9	11	14	20	28	14	20	29	34	38	50	54
260	11	13	17	23	33	16	24	34	40	45	59	64
280	12	15	19	27	38	19	28	39	47	52	68	74
300	14	18	22	31	44	22	32	45	54	60	78	85
Tension – lbs.	856	696	549	397	278	570	384	272	229	205	158	954
Heavy Load Tension = 1429 lbs.												

Adder Table - Indicated In Inches, Based On Final Sag					
Ambient Temperature (°F)					
Span - Feet	0 - 31	32 - 59	60 - 89	90 - 119	120 >
120	11	9	7	5	4
140	13	11	8	6	5
160	18	15	11	9	7
180	23	19	15	12	9
200	28	24	18	14	11
220	34	29	22	17	14
240	40	34	25	20	16
260	48	40	30	24	19
280	55	46	35	27	22
300	63	53	40	31	25

#2 ACSR Sag Table – Long Span

Initial Sag – Inches						Final Sag – Inches						
Conductor Temperature (°F)						Conductor Temperature (°F)						
Span - Feet	0	32	60	90	120	0	32	60	90	120	200	32-Ice
160	4	4	5	7	9	6	9	11	13	14	18	21
180	5	6	7	9	12	8	11	15	16	18	22	27
200	6	7	8	11	15	10	14	18	20	22	28	33
220	7	8	10	13	18	12	16	22	24	26	34	40
240	8	10	12	15	21	14	20	26	29	32	40	48
260	10	12	14	18	25	16	23	30	34	37	47	56
280	11	13	16	21	28	19	27	35	39	43	54	65
300 – Ruling Span	13	15	19	24	33	22	31	40	45	49	62	75
320	15	17	21	28	37	25	35	46	51	56	71	85
340	17	20	24	31	42	28	39	52	57	63	80	96
360	19	22	27	35	47	31	44	58	64	71	90	108
375	20	24	29	38	51	34	48	63	70	77	98	117
Tension – lbs.	953	800	659	508	376	570	401	304	275	249	197	1078

Heavy Load Tension = 1611 lbs.

Adder Table - Indicated In Inches, Based On Final Sag					
Ambient Temperature (°F)					
Span - Feet	0 - 31	32 - 59	60 - 89	90 - 119	120 >
160	15	12	10	8	7
180	19	16	12	11	9
200	23	19	15	13	11
220	28	24	18	16	14
240	34	28	22	19	16
260	40	33	26	22	19
280	46	38	30	26	22
300	53	44	35	30	26
320	60	50	39	34	29
340	68	57	44	39	33
360	77	64	50	44	37
375	83	69	54	47	40

1/0 ACSR Sag Table – Short Span

Initial Sag – Inches						Final Sag – Inches						
Conductor Temperature (°F)						Conductor Temperature (°F)						
Span - Feet	0	32	60	90	120	0	32	60	90	120	200	32-Ice
80	1	2	2	4	5	2	3	4	5	6	8	7
100	2	3	4	5	8	2	4	6	8	10	13	10
120	3	4	5	8	12	4	6	9	12	14	19	15
140	4	5	7	11	16	5	8	12	17	19	26	20
160 – Ruling Span	5	7	9	14	21	6	10	16	22	25	34	26
180	7	9	12	18	26	8	13	20	28	32	42	33
200	8	11	15	22	33	10	16	25	34	39	52	41
Tension – lbs.	1066	818	600	396	267	876	554	350	256	223	166	1025
Heavy Load Tension = 1514 lbs.												

Adder Table - Indicated In Inches, Based On Final Sag					
Ambient Temperature (°F)					
Span- Feet	0 - 31	32 - 59	60 - 89	90 -119	120 >
80	6	5	4	3	2
100	11	9	7	5	3
120	15	13	10	7	5
140	21	18	14	9	7
160	28	24	18	12	9
180	34	29	22	14	10
200	42	36	27	18	13

Specifications	
Feet per lb.	6.88 ft.
Breaking Load	4380 lbs.
Diameter	0.398 in.
Stranding	6 Alum / 1 Steel
Cross-Sectional Area	0.0968 sq. in.
Standard Reels	6095 ft. (885 lbs.) - We 25000 ft. (3632 lbs.) - WPS
Code Word	Raven
Ampacity	250 Amps
Material Numbers	103-3999 - We T133-0346 - WPS

1/0 ACSR Sag Table – Medium Span

Initial Sag – Inches						Final Sag – Inches						
Conductor Temperature (°F)						Conductor Temperature (°F)						
Span - Feet	0	32	60	90	120	0	32	60	90	120	200	32-Ice
120	3	3	4	6	8	4	5	7	9	10	13	12
140	4	5	6	8	11	5	7	10	13	14	18	16
160	5	6	8	10	14	6	9	13	17	18	24	21
180	6	7	10	13	18	8	12	17	21	23	30	27
200	7	9	12	16	22	10	15	21	26	29	37	34
220	9	11	14	19	26	12	18	25	31	35	44	41
240 - Ruling Span	11	13	17	23	32	14	21	30	37	42	53	48
260	12	16	20	27	37	17	25	35	44	49	62	57
280	14	18	23	31	43	19	29	40	51	57	72	66
300	17	21	26	36	49	22	33	46	58	65	83	76
Tension – lbs.	1182	946	741	543	397	876	592	422	335	302	237	1258
Heavy Load Tension = 1833 lbs.												

Adder Table - Indicated In Inches, Based On Final Sag					
Ambient Temperature (°F)					
Span - Feet	0 - 31	32 - 59	60 - 89	90 - 119	120 >
120	9	8	6	4	3
140	13	11	8	5	4
160	18	15	11	7	6
180	22	18	13	9	7
200	27	22	16	11	8
220	32	26	19	13	9
240	39	32	23	16	11
260	45	37	27	18	13
280	53	43	32	21	15
300	61	50	37	25	18

1/0 ACSR Sag Table – Long Span

Initial Sag – Inches						Final Sag – Inches						
Conductor Temperature (°F)						Conductor Temperature (°F)						
Span - Feet	0	32	60	90	120	0	32	60	90	120	200	32-Ice
160	4	5	7	9	11	6	9	12	14	16	19	19
180	6	7	8	11	14	8	11	15	18	20	25	24
200	7	8	10	13	18	10	14	19	22	25	30	30
220	8	10	13	16	21	12	17	23	27	30	37	36
240	10	12	15	19	25	14	20	27	32	35	44	43
260	12	14	17	23	30	17	24	32	38	41	51	50
280	13	16	20	26	35	19	28	37	44	48	60	59
300 – Ruling Span	15	19	23	30	40	22	32	42	50	55	68	67
320	18	21	26	34	45	25	36	48	57	63	78	77
340	20	24	30	39	51	29	41	54	65	71	88	86
360	22	27	33	44	57	32	46	60	72	79	98	97
375	24	29	36	47	62	35	49	66	79	86	107	105
Tension – lbs.	1269	1041	842	647	494	876	619	467	389	355	286	1413

Heavy Load Tension = 2050 lbs.

Adder Table - Indicated In Inches, Based On Final Sag					
Ambient Temperature (°F)					
Span - Feet	0 - 31	32 - 59	60 - 89	90 -119	120 >
160	13	10	7	5	3
180	17	14	10	7	5
200	20	16	11	8	5
220	25	20	14	10	7
240	30	24	17	12	9
260	34	27	19	13	10
280	41	32	23	16	12
300	46	36	26	18	13
320	53	42	30	21	15
340	59	47	34	23	17
360	66	52	38	26	19
375	72	58	41	28	21

**3/0 ACSR Sag Table – Short Span
Neutral Sag For 336.4 ACSR 18/1**

Initial Sag – Inches						Final Sag – Inches						
Conductor Temperature (°F)						Conductor Temperature (°F)						
Span - Feet	0	32	60	90	120	0	32	60	90	120	200	32-Ice
80	2	3	4	6	8	2	4	6	7	8	10	7
100	3	4	7	9	12	4	6	9	11	12	16	11
120	4	6	10	13	17	5	9	13	16	18	23	15
140	6	9	13	18	23	7	12	17	22	24	31	21
160 – Ruling Span	8	11	17	24	30	9	16	23	29	32	40	27
180	10	14	21	30	38	12	20	29	36	40	51	35
200	12	18	26	37	48	14	24	35	45	50	63	43
Tension – lbs.	1146	773	523	370	291	953	565	390	308	277	221	1199
Heavy Load Tension = 1800 lbs.												

Adder Table - Indicated In Inches, Based On Final Sag					
Ambient Temperature (°F)					
Span- Feet	0 - 31	32 - 59	60 - 89	90 -119	120 >
80	8	6	4	3	2
100	12	10	7	5	4
120	18	14	10	7	5
140	24	19	14	9	7
160	31	24	17	11	8
180	39	31	22	15	11
200	49	39	28	18	13

Specifications	
Feet per lb.	4.33 ft.
Breaking Load	6620 lbs.
Diameter	0.502 in.
Stranding	6 Alum / 1 Steel
Cross-Sectional Area	0.1537 sq. in.
Standard Reel	5695 ft. (1313 lbs.)
Code Word	Pigeon
Ampacity	340 Amps
Material Number	103-4308

**3/0 ACSR Sag Table – Medium Span
Neutral Sag For 336.4 ACSR 18/1**

Initial Sag – Inches						Final Sag – Inches						
Conductor Temperature (°F)						Conductor Temperature (°F)						
Span - Feet	0	32	60	90	120	0	32	60	90	120	200	32-Ice
120	4	5	7	9	11	5	7	9	12	13	16	12
140	5	7	9	13	16	7	10	13	16	17	21	16
160	7	9	12	16	20	9	13	17	21	23	28	21
180	9	12	16	21	26	11	16	21	26	29	35	27
200	11	14	19	26	32	13	20	26	33	36	43	33
220	13	17	23	31	38	16	24	32	39	43	52	40
240 - Ruling Span	15	21	28	37	46	19	29	38	47	51	62	48
260	18	24	33	43	54	23	34	45	55	60	73	57
280	21	28	38	50	62	26	39	52	64	70	85	66
300	24	32	43	57	71	30	45	59	73	80	97	75
Tension – lbs.	1309	961	716	541	435	1027	692	523	423	388	319	1530
Heavy Load Tension = 2225 lbs.												

Adder Table - Indicated In Inches, Based On Final Sag					
Ambient Temperature (°F)					
Span - Feet	0 - 31	32 - 59	60 - 89	90 - 119	120 >
120	11	9	7	4	3
140	14	11	8	5	4
160	19	15	11	7	5
180	24	19	14	9	6
200	30	23	17	10	7
220	36	28	20	13	9
240	43	33	24	15	11
260	50	39	28	18	13
280	59	46	33	21	15
300	67	52	38	24	17

**3/0 ACSR Sag Table – Long Span
Neutral Sag For 336.4 ACSR 18/1**

Initial Sag – Inches						Final Sag – Inches						
Conductor Temperature (°F)						Conductor Temperature (°F)						
Span - Feet	0	32	60	90	120	0	32	60	90	120	200	32-Ice
160	7	9	11	14	17	9	12	15	18	20	23	19
180	9	11	14	18	22	11	16	19	23	25	30	24
200	11	14	18	22	27	14	19	24	29	31	37	30
220	13	17	22	27	33	17	23	29	35	37	44	36
240	15	20	26	32	39	20	28	35	41	44	53	43
260	18	23	30	38	46	24	32	41	48	52	62	51
280	21	27	35	44	53	27	38	47	56	61	72	59
300 – Ruling Span	24	31	40	50	61	31	43	54	65	69	82	68
320	27	36	46	57	69	36	49	61	73	79	94	77
340	30	40	51	65	78	40	56	69	83	89	106	87
360	34	45	58	73	88	45	62	78	93	100	119	98
375	37	49	63	79	95	49	68	84	101	109	129	106
Tension – lbs.	1312	994	776	615	511	989	718	576	482	447	378	1698
Heavy Load Tension = 2450 lbs.												

Adder Table - Indicated In Inches, Based On Final Sag					
Ambient Temperature (°F)					
Span - Feet	0 - 31	32 - 59	60 - 89	90 - 119	120 >
160	14	11	8	5	3
180	19	14	11	7	5
200	23	18	13	8	6
220	27	21	15	9	7
240	33	25	18	12	9
260	38	30	21	14	10
280	45	34	25	16	11
300	51	39	28	17	13
320	58	45	33	21	15
340	66	50	37	23	17
360	74	57	41	26	19
375	80	61	45	28	20

336.4 ACSR Sag Table – Short Span

Initial Sag – Inches						Final Sag – Inches						
Conductor Temperature (°F)						Conductor Temperature (°F)						
Span - Feet	0	32	60	90	120	0	32	60	90	120	200	32-Ice
80	2	3	4	6	8	2	4	6	8	9	11	6
100	3	4	7	10	13	3	6	9	12	14	18	10
120	4	6	10	15	19	5	8	13	17	21	26	14
140	5	8	14	20	25	6	11	17	23	28	35	19
160 – Ruling Span	7	11	18	26	33	8	14	22	30	37	46	24
180	9	14	22	33	42	10	18	28	38	47	58	31
200	11	17	28	40	52	13	23	35	47	57	72	38
Tension – lbs.	2013	1275	795	542	422	1736	973	631	466	381	306	1739
Heavy Load Tension = 2672 lbs.												

Adder Table - Indicated In Inches, Based On Final Sag					
Ambient Temperature (°F)					
Span- Feet	0 - 31	32 – 59	60 - 89	90 -119	120 >
80	9	7	5	3	2
100	15	12	9	6	4
120	21	18	13	9	5
140	29	24	18	12	7
160	38	32	24	16	9
180	48	40	30	20	11
200	59	49	37	25	15

Specifications	
Feet per lb.	2.75 ft.
Breaking Load	8680 lbs.
Diameter	0.684 in.
Stranding	18 Alum / 1 Steel
Cross-Sectional Area	0.2789 sq. in.
Standard Reel	5695 ft. (2080 lbs.)
Code Word	Merlin
Ampacity	515 Amps
Material Number	103-5118

336.4 ACSR Sag Table – Medium Span

Initial Sag – Inches						Final Sag – Inches						
Conductor Temperature (°F)						Conductor Temperature (°F)						
Span - Feet	0	32	60	90	120	0	32	60	90	120	200	32-Ice
120	4	5	8	10	13	5	7	10	12	15	19	11
140	5	7	11	14	18	6	10	13	17	20	26	15
160	7	10	14	19	23	8	13	17	22	26	33	20
180	8	12	17	23	29	10	16	22	28	33	42	25
200	10	15	21	29	36	13	20	27	34	41	52	31
220	13	18	26	35	43	15	24	33	41	49	63	37
240 - Ruling Span	15	22	31	42	52	18	28	39	49	58	75	44
260	18	26	36	49	61	21	33	45	58	69	88	52
280	20	30	42	57	70	25	39	53	67	79	102	60
300	23	34	48	65	81	28	44	61	77	91	117	69
Tension – lbs.	2110	1448	1021	757	610	1736	1111	814	642	541	421	2144
Heavy Load Tension = 3126 lbs.												

Adder Table - Indicated In Inches, Based On Final Sag					
Ambient Temperature (°F)					
Span - Feet	0 - 31	32 - 59	60 - 89	90 - 119	120 >
120	14	12	9	7	4
140	20	16	13	9	6
160	25	20	16	11	7
180	32	26	20	14	9
200	39	32	25	18	11
220	48	39	30	22	14
240	57	47	36	26	17
260	67	55	43	30	19
280	77	63	49	35	23
300	89	73	56	40	26

336.4 ACSR Sag Table – Long Span

Initial Sag – Inches						Final Sag – Inches						
Conductor Temperature (°F)						Conductor Temperature (°F)						
Span - Feet	0	32	60	90	120	0	32	60	90	120	200	32-Ice
160	7	9	12	16	19	8	12	15	19	22	28	18
180	8	12	15	20	24	10	15	19	24	27	36	22
200	10	14	19	25	30	13	18	24	29	34	44	27
220	12	17	23	30	36	15	22	29	35	41	53	33
240	15	20	27	35	43	18	26	34	42	49	63	40
260	17	24	32	42	50	21	31	40	49	57	74	46
280	20	28	37	48	58	25	36	46	57	66	86	54
300 – Ruling Span	23	32	43	55	67	28	41	53	65	76	99	62
320	26	36	49	63	76	32	47	61	74	87	113	70
340	29	41	55	71	86	36	53	68	84	98	127	79
360	33	46	62	80	97	41	59	77	94	110	143	89
375	36	50	67	86	105	44	64	83	102	119	155	97
Tension – lbs.	2149	1541	1151	891	735	1736	1196	926	755	647	498	2404
Heavy Load Tension = 3418 lbs.												

Adder Table - Indicated In Inches, Based On Final Sag					
Ambient Temperature (°F)					
Span - Feet	0 - 31	32 - 59	60 - 89	90 -119	120 >
160	20	16	13	9	6
180	26	21	17	12	9
200	31	26	20	15	10
220	38	31	24	18	12
240	45	37	29	21	14
260	53	43	34	25	17
280	61	50	40	29	20
300	71	58	46	34	23
320	81	66	52	39	26
340	91	74	59	43	29
360	102	84	66	49	33
375	111	91	72	53	36

Auburn/XLP - 1/0 Al 7str Conductors, 123.3 Al 7str Neutral, Triplex

Initial Sag – Inches						Final Sag – Inches						
Conductor Temperature (°F)						Conductor Temperature (°F)						
Span - Feet	0	32	60	90	120	0	32	60	90	120	200	32-Ice
80	4	5	6	7	9	5	6	7	9	10	14	10
100	6	8	9	11	14	7	9	12	14	16	21	16
120	9	11	13	16	20	10	13	17	20	23	31	24
140	12	15	18	22	27	14	18	23	27	32	42	32
160 – Ruling Span	15	19	24	29	35	18	24	30	36	41	55	42
180	19	25	30	37	44	23	30	37	45	52	69	53
200	24	30	37	46	54	28	37	46	56	65	85	65
Tension – lbs.	1013	798	649	531	447	856	649	525	436	376	285	1399
Heavy Load Tension = 1817 lbs.												

Adder Table - Indicated In Inches, Based On Final Sag					
Ambient Temperature (°F)					
Span- Feet	0 - 31	32 - 59	60 - 89	90 -119	120 >
80	9	8	7	5	4
100	14	12	9	7	5
120	21	18	14	11	8
140	28	24	19	15	10
160	37	31	25	19	14
180	46	39	32	24	17
200	57	48	39	29	20

Specifications	
Feet per lb.	2.41 ft.
Breaking Load (Neutral)	4460 lbs.
Diameter (Cable)	1.298 in.
Stranding 1/0 XLPE (Phase)	2/C 7 Alum
Stranding 123.3 Bare (Neutral)	1/C 7 Alum
Cross-Sectional (Neutral)	0.0968 sq. in.
Standard Reels	1500 ft. (623 lbs.)
Code Word	Auburn
Ampacity	195 Amps
Material Number	101-9872

4/0 Al 19str XLP Conductors, 246.9 Al 7str Neutral, Triplex

Initial Sag – Inches						Final Sag – Inches						
Conductor Temperature (°F)						Conductor Temperature (°F)						
Span - Feet	0	32	60	90	120	0	32	60	90	120	200	32-Ice
80	4	5	6	7	9	4	6	7	9	10	14	9
100	6	7	9	11	13	7	9	11	14	16	21	14
120	8	10	13	16	19	10	13	16	20	23	30	19
140	11	14	18	22	26	13	18	22	27	31	41	26
160 – Ruling Span	15	19	23	28	34	17	23	29	35	41	54	35
180	18	24	29	36	43	22	29	36	44	51	68	44
200	23	29	36	44	53	27	36	45	54	63	85	54
Tension – lbs.	2021	1582	1275	1033	864	1712	1282	1026	845	724	544	2140
Heavy Load Tension = 2862 lbs.												

Adder Table - Indicated In Inches, Based On Final Sag					
Ambient Temperature (°F)					
Span- Feet	0 - 31	32 - 59	60 - 89	90 -119	120 >
80	10	8	7	5	4
100	14	12	10	7	5
120	20	17	14	10	7
140	28	23	19	14	10
160	37	31	25	19	13
180	46	39	32	24	17
200	58	49	40	31	22

Specifications	
Feet per lb.	1.31 ft.
Breaking Load (Neutral)	8560 lbs.
Diameter (Cable)	1.37 in.
Stranding 4/0 XLPE (Phase)	2/C 19 Alum
Stranding 246.9 Bare (Neutral)	1/C 7 Alum
Cross-Sectional (Neutral)	0.1939 sq. in.
Standard Reels	1300 ft. (995 lbs.)
Code Word	n/a
Ampacity	300 Amps
Material Number	102-0978

336.4 Al 19str XLP Conductors, 394.5 Al 19str Neutral, Triplex

Initial Sag – Inches						Final Sag – Inches						
Conductor Temperature (°F)						Conductor Temperature (°F)						
Span - Feet	0	32	60	90	120	0	32	60	90	120	200	32-Ice
80	4	5	6	7	9	4	6	7	9	10	14	8
100	6	8	9	11	14	7	9	11	14	16	21	13
120	9	11	13	17	20	10	13	16	20	23	30	18
140	12	15	18	22	27	14	18	22	27	31	42	25
160 – Ruling Span	15	19	24	29	35	18	23	29	35	41	54	33
180	19	25	30	37	44	22	30	37	44	52	69	42
200	24	30	37	46	55	28	37	45	55	64	85	51
Tension – lbs.	3080	2420	1961	1598	1343	2659	2009	1617	1338	1150	866	3051
Heavy Load Tension = 4051 lbs.												

Adder Table - Indicated In Inches, Based On Final Sag					
Ambient Temperature (°F)					
Span- Feet	0 - 31	32 - 59	60 - 89	90 -119	120 >
80	10	8	7	5	4
100	14	12	10	7	5
120	20	17	14	10	7
140	28	24	20	15	11
160	36	31	25	19	13
180	47	39	32	25	17
200	57	48	40	30	21

Specifications	
Feet per lb.	0.818 ft.
Breaking Load (Neutral)	13300 lbs.
Diameter (Cable)	1.73 in.
Stranding 336.4 XLPE (Phase)	2/C 19 Alum
Stranding 394.5 Bare (Neutral)	1/C 19 Alum
Cross-Sectional (Neutral)	0.3098 sq. in.
Standard Reels	500 ft. (611 lbs.)
Code Word	Packard
Ampacity	400 Amps
Material Number	102-1737