



11/18/2022

Southwire Company

Hope - Silvertip
AFL, DNA-33402
Poles 12R14 to 12R15

Conductor: ADSS Cable, Moduli = 2206/1838/2379 kpsi, Thermal Coef of Expansion = 8.68e-7/'F

Area = 0.2561 in², Diameter = 0.571 in, Weight = 0.109 lb/ft, RBS = 9930 lb, MRCL = 6210 lb
Notes =

Limits and Outputs in Average Tensions

Span = 261.00 ft Special Load Zone
Creep governs the final sag

Table with 7 columns: Loading Limits, Cond. Temp (°F, °C), Ice (in), Wind (lb/ft²), K (lb/ft), Limit, Usage. Rows show values for 0.0, 33.3%, 25.0%, and Creep.

Table with 10 columns: Design Points, Cond. Temp (°F, °C), Ice (in), Wind (lb/ft²), K (lb/ft), Weight (lb/ft), Sag (ft), Final Tension (lb), Sag (ft), Initial Tension (lb). Rows show various temperature and wind conditions.

* Design Condition

G Glazed Ice Density of 57.0 lb/ft³

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.



Southwire



V4.0.6

Conductor: ADSS Cable, Moduli = 2206/1838/2379 kpsi, Thermal Coef of Expansion = 8.68e-7/°F

Ruling Span: 261.00 ft
Special Load Zone

Stringing Sag Table Using Initial Sag
Max Tension = 1600 lb

Design: 1600 lb @ 0.0 °F, 0.50 in Ice, 4.00 lb/ft² Wind, Initial

H Tens (lb)	688	686	684	682	679	677	675	673	671	668	666	664	662
Cond. Temp °F	-15.0	-10.0	-5.0	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0
Sag	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
Span	261.00	1.35	1.35	1.36	1.37	1.37	1.38	1.38	1.38	1.39	1.39	1.40	1.40

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v4.0.6

Conductor: ADSS Cable, Moduli = 2206/1838/2379 kpsi, Thermal Coef of Expansion = 8.68e-7/°F

Ruling Span: 261.00 ft
Special Load Zone

Stringing Sag Table Using Initial Sag
Max Tension = 1600 lb.

Design: 1600 lb @ 0.0 °F, 0.50 in Ice, 4.00 lb/ft² Wind, Initial

H Tens (lb)	688	686	684	682	679	677	675	673	671	668	666	664	662
Cond. Temp °F	-15.0	-10.0	-5.0	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0
3rd Wave	Sec	Sec	Sec	Sec	Sec	Sec	Sec	Sec	Sec	Sec	Sec	Sec	Sec
Span	3.47	3.48	3.48	3.49	3.50	3.50	3.51	3.51	3.52	3.52	3.53	3.54	3.54

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11/18/2022

Southwire Company

Hope - Silvertip
AFL, DNA-33402
Poles 12R15 to 6234

Conductor: ADSS Cable, Moduli = 2206/1838/2379 kpsi, Thermal Coef of Expansion = 8.68e-7/'F

Area = 0.2561 in², Diameter = 0.571 in, Weight = 0.109 lb/ft, RBS = 9930 lb, MRCL = 6210 lb
Notes =

Limits and Outputs in Average Tensions

Span = 270.00 ft

Special Load Zone

Creep governs the final sag

Table with 7 columns: Loading Limits, Cond. Temp (F/C), Ice (in), Wind (lb/ft²), K (lb/ft), Limit, Usage. Rows show various conditions and their corresponding limits and usage types like Initial, Final, and Creep.

Table with 10 columns: Design Points, Cond. Temp (F/C), Ice (in), Wind (lb/ft²), K (lb/ft), Weight (lb/ft), Sag (ft), Final Tension (lb), Sag (ft), Initial Tension (lb). Rows show design conditions and their resulting weight, sag, and tension values.

* Design Condition

G Glazed Ice Density of 57.0 lb/ft³

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Southwire



v4.0.6

Conductor: ADSS Cable, Moduli = 2206/1838/2379 kpsi, Thermal Coef of Expansion = 8.68e-7/°F

Ruling Span: 270.00 ft
Special Load Zone

Stringing Sag Table Using Initial Sag
Max Tension = 1800 lb

Design: 1800 lb @ 0.0 °F, 0.50 in Ice, 4.00 lb/ft² Wind,		Initial													
H Tens (lb)		1016	1014	1012	1009	1007	1005	1002	1000	997	995	993	990	988	
Cond. Temp °F >		-15.0	-10.0	-5.0	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	
Sag	ft		ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	
Span															
270.00		0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.01	

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V4.0.6

Conductor: ADSS Cable, Moduli = 2206/1838/2379 kpsi, Thermal Coef of Expansion = 8.68e-7/°F

Ruling Span: 270.00 ft
Special Load Zone

Stringing Sag Table Using Initial Sag
Max Tension = 1800 lb

Design: 1800 lb @ 0.0 °F, 0.50 in Ice, 4.00 lb/ft² Wind, Initial

H Tens (lb)	1016	1014	1012	1009	1007	1005	1002	1000	997	995	993	990	988
Cond. Temp °F	-15.0	-10.0	-5.0	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0
3rd Wave	Sec	Sec	Sec	Sec	Sec	Sec	Sec	Sec	Sec	Sec	Sec	Sec	Sec
Span	270.00	2.96	2.96	2.97	2.97	2.97	2.98	2.98	2.98	2.99	2.99	3.00	3.00

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11/18/2022

Southwire Company

Hope - Silvertip
AFL, DNA-33402
Poles 6234 to 6219

Conductor: ADSS Cable, Moduli = 2206/1838/2379 kpsi, Thermal Coef of Expansion = 8.68e-7/°F

Area = 0.2561 in², Diameter = 0.571 in, Weight = 0.109 lb/ft, RBS = 9930 lb, MRCL = 6210 lb
Notes =

Limits and Outputs in Average Tensions

Span = 201.00 ft

Special Load Zone

Creep governs the final sag

Table with columns: Loading Limits, Cond. Temp (°F, °C), Ice (in), Wind (lb/ft²), K (lb/ft), Limit, Usage. Rows show various temperature and ice conditions and their corresponding limits and usage types like Initial, Final, and Creep.

Table with columns: Design Points, Cond. Temp (°F, °C), Ice (in), Wind (lb/ft²), K (lb/ft), Weight (lb/ft), Sag (ft), Final Tension (lb), Initial Sag (ft), Initial Tension (lb). Rows show design points for various temperatures and ice conditions with corresponding weight, sag, and tension values.

* Design Condition

G Glazed Ice Density of 57.0 lb/ft³

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Southwire



V4.0.6

Conductor: ADSS Cable, Moduli = 2206/1838/2379 kpsi, Thermal Coef of Expansion = 8.68e-7/°F

Ruling Span: 201.00 ft
Special Load Zone

Stringing Sag Table Using Initial Sag
Max Tension = 1300 lb

Design: 1300 lb @ 0.0 °F, 0.50 in Ice, 4.00 lb/ft² Wind,		Initial												
H Tens (lb)		492	490	488	486	484	482	480	478	476	474	472	470	468
Cond. Temp °F	>	-15.0	-10.0	-5.0	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0
Sag	ft	1.06	1.07	1.07	1.08	1.08	1.09	1.09	1.10	1.10	1.10	1.11	1.11	1.12
Span	ft	1.16	1.17	1.17	1.18	1.18	1.19	1.19	1.20	1.20	1.21	1.21	1.22	1.22

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v4.0-6

Conductor: ADSS Cable, Moduli = 2206/1838/2379 kpsi, Thermal Coef of Expansion = 8.68e-7/°F

Ruling Span: 201.00 ft
Special Load Zone

Stringing Sag Table Using Initial Sag
Max Tension = 1300 lb

Design: 1300 lb @ 0.0 °F, 0.50 in Ice, 4.00 lb/ft² Wind, Initial

H Tens (lb)	492	490	488	486	484	482	480	478	476	474	472	470	468
Cond. Temp °F	-15.0	-10.0	-5.0	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0
3rd Wave	Sec	Sec	Sec	Sec	Sec	Sec	Sec	Sec	Sec	Sec	Sec	Sec	Sec
Span	3.08	3.09	3.10	3.10	3.11	3.12	3.12	3.13	3.14	3.14	3.15	3.16	3.16
205.00	3.23	3.23	3.24	3.25	3.25	3.26	3.27	3.27	3.28	3.29	3.29	3.30	3.31

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