



v4.0.6

4/26/2018

Southwire Company

AP to LC 556.5AAC

Conductor: 556.5 kcmil 19 Strand AAC "Dahlia"

Area = 0.4369 in², Diameter = 0.856 in, Weight = 0.521 lb/ft, RBS = 9750 lb

Notes =

Stress-strain data from Chart No. 1-945

Chart Notes: 19 Strand AAC/1350-H19. Contact your conductor manufacturer to verify stress-strain coefficients.

Limits and Outputs in Average Tensions

Span = 310.00 ft
Creep governs the final sag

Special Load Zone

Loading Limits

Table with 7 columns: Cond. Temp (F/C), Ice (in), Wind (lb/ft²), K (lb/ft), Limit (%), Usage (Initial/Final/Creep)

Design Points

Table with 12 columns: Cond. Temp (F/C), Ice (in), Wind (lb/ft²), K (lb/ft), Weight (lb/ft), Final Sag (ft), Final Tension (lb), H/W (ft), Initial Sag (ft), Initial Tension (lb), H/W (ft)

120.0	48.9	0.00	0.00	0.00	0.521	6.71	935	1792	5.21	1204	2309
167.0	75.0	0.00	0.00	0.00	0.521	8.08	777	1489	6.75	928	1780
212.0	100.0	0.00	0.00	0.00	0.521	9.23	681	1303	8.04	780	1495
* Design Condition											

G Glazed Ice Density of 57.0 lb/ft³

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