



1 2 3 4
69 kV AERIAL CABLE
795 KCM AAC (403mm²) 75° C GRAY

CONSTRUCTION:

1	795 KCM (403mm ²) 19 Strand Compact Round AAC All-Aluminum 1350-H19 Conductor
2	0.020" (0.508 mm) Black Semiconducting Thermoplastic Polyethylene
3	0.250" (6.350 mm) Natural Low Density Thermoplastic Polyethylene (HMWPE)
4	0.250" (6.350 mm) Gray Track and UV Resistant High Density Thermoplastic Polyethylene

DIAMETERS:

1	0.932" (23.673 mm)	Nom.
2	0.972" (24.689 mm)	Nom.
3	1.472" (37.389 mm)	Nom.
4	1.972" +.020"/-.010"	(50.089 mm + 0.5 mm / -0.25 mm)

CABLE DATA:

1	Cable Weight:	1735 lb/ 1000 ft	(2582 kg/km)
2	Conductor Weight:	746 lb/ 1000 ft	(1111 kg/km)
3	Conductor Operating Temperature:	75° C	
4	D.C. Resistance @ 20°C:	0.022 ohms/1000 ft.	(0.0722 ohms/km)
5	Resistance Temperature Coefficient:	0.00404/° C (Aluminum 1350-H19)	
6	Conductor Breaking Strength:	13700 lbs (6214 kg)	(61 kN)
7	Normal Ampacity:	729 Amps	*
8	Emergency Ampacity:	901 Amps	**

*75°C Conductor, 25°C Ambient, 2 ft/sec. (0.6096 m/s) Wind, Sun

**100°C Conductor, 25°C Ambient, 2 ft/sec. Wind, Sun