



1 2 3 4
69 kV AERIAL CABLE
636 KCM AAC (322mm²) 75° C GRAY

CONSTRUCTION:

1	636 KCM (322mm 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	0.835" (21.209 mm)	Nom.
2	0.875" (22.225 mm)	Nom.
3	1.375" (34.925 mm)	Nom.
4	1.875" +.020"/-.010"	(47.625 mm + 0.5 mm / -0.25 mm)

CABLE DATA:

1	Cable Weight:	1520 lb/ 1000 ft	(2261 kg/km)
2	Conductor Weight:	597 lb/ 1000 ft	(889 kg/km)
3	Conductor Operating Temperature:	75° C	
4	D.C. Resistance @ 20°C:	0.027 ohms/1000 ft.	(0.0886 ohms/km)
5	Resistance Temperature Coefficient:	0.00404/° C (Aluminum 1350-H19)	
6	Conductor Breaking Strength:	11150 lbs (5058 kg)	(50 kN)
7	Normal Ampacity:	638 Amps	*
8	Emergency Ampacity:	787 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