



1 2 3 4

46 kV AERIAL CABLE
636 KCM AAC (322mm²) 75° C BLACK

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	0.225" (5.715 mm) Natural Low Density Thermoplastic Polyethylene (HMWPE)
4	0.175" (4.445 mm) Black Track and UV Resistant High Density Thermoplastic Polyethylene

DIAMETERS:

1	0.835" (21.209 mm)	Nom.
2	0.875" (22.225 mm)	Nom.
3	1.325" (33.655 mm)	Nom.
4	1.675" +.020"/-.010"	(42.545 mm + 0.5 mm / -0.25 mm)

CABLE DATA:

1	Cable Weight:	1284 lb/ 1000 ft	(1910 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	Conductor Breaking Strength:	11150 lbs (5058 kg)	(50 kN)
6	Normal Ampacity:	634 Amps	*
7	Emergency Ampacity:	807 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