



1 2 3 4

69 kV AERIAL CABLE

954 KCM AAC (483mm²) 75° C GRAY

CONSTRUCTION:

1	954 KCM (483mm ²) 37 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	1.024" (26.010 mm)	Nom.
2	1.064" (27.026 mm)	Nom.
3	1.564" (39.726 mm)	Nom.
4	2.064" +.020"/-.010"	(52.426 mm + 0.5 mm / -0.25 mm)

CABLE DATA:

1	Cable Weight:	1948 lb/ 1000 ft	(2899 kg/km)
2	Conductor Weight:	896 lb/ 1000 ft	(1334 kg/km)
3	Conductor Operating Temperature:	75° C	
4	D.C. Resistance @ 20°C:	0.018 ohms/1000 ft.	(0.0591 ohms/km)
5	Resistance Temperature Coefficient:	0.00404/° C (Aluminum 1350-H19)	
6	Conductor Breaking Strength:	16400 lbs (7439 kg)	(73 kN)
7	Normal Ampacity:	814 Amps	*
8	Emergency Ampacity:	1007 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