



46 kV AERIAL CABLE  
1/0 AWG AAC (54mm<sup>2</sup>) 75° C BLACK

### CONSTRUCTION:

1	1/0 AWG (54mm <sup>2</sup> ) 7 Strand Compact Round AAC All-Aluminum 1350-H19 Conductor
2	0.015" (0.381 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	0.336" (8.534 mm)	Nom.
2	0.366" (9.296 mm)	Nom.
3	0.816" (20.726 mm)	Nom.
4	1.166" (+.020"/-.010")	(29.616 mm + 0.5 mm / -0.25 mm)

### CABLE DATA:

1	Cable Weight:	506 lb/ 1000 ft	(752 kg/km)
2	Conductor Weight:	100 lb/ 1000 ft	(148 kg/km)
3	Conductor Operating Temperature:	75° C	
4	D.C. Resistance @ 20°C:	0.164 ohms/1000 ft.	(0.5381 ohms/km)
5	Conductor Breaking Strength:	1990 lbs (903 kg)	(9 kN)
6	Normal Ampacity:	215 Amps	*
7	Emergency Ampacity:	270 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