



35 kV AERIAL CABLE  
4/0 AWG AAC (107mm<sup>2</sup>) 75° C BLACK

### CONSTRUCTION:

1	4/0 AWG (107mm <sup>2</sup> ) 7 Strand Compact Round AAC All-Aluminum 1350-H19 Conductor	
2	0.015" (0.381 mm)	Black Semiconducting Thermoplastic Polyethylene
3	0.175" (4.445 mm)	Natural Low Density Thermoplastic Polyethylene (HMWPE)
4	0.125" (3.175 mm)	Black Track and UV Resistant High Density Thermoplastic Polyethylene

### DIAMETERS:

1	0.475" (12.065 mm)	Nom.
2	0.505" (12.827 mm)	Nom.
3	0.855" (21.717 mm)	Nom.
4	1.105" +.020"/-.010"	(28.067 mm + 0.5 mm / -0.25 mm)

### CABLE DATA:

1	Cable Weight:	527 lb/ 1000 ft	(784 kg/km)
2	Conductor Weight:	199 lb/ 1000 ft	(297 kg/km)
3	Conductor Operating Temperature:	75° C	
4	D.C. Resistance @ 20°C:	0.082 ohms/1000 ft.	(0.2690 ohms/km)
5	Conductor Breaking Strength:	3830 lbs (1737 kg)	(18 kN)
6	Normal Ampacity:	336 Amps	*
7	Emergency Ampacity:	422 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