



25 kV AERIAL CABLE  
477 KCM AAC (242mm<sup>2</sup>) 75° C BLACK

### CONSTRUCTION:

1	477 KCM (242mm <sup>2</sup> )	19 Strand Compact Round AAC All-Aluminum 1350-H19 Conductor
2	0.020" (0.508 mm)	Black Semiconducting Thermoplastic Polyethylene
3	0.125" (3.175 mm)	Natural Low Density Thermoplastic Polyethylene (HMWPE)
4	0.125" (3.175 mm)	Black Track and UV Resistant High Density Thermoplastic Polyethylene

### DIAMETERS:

1	0.722" (18.339 mm)	Nom.
2	0.762" (19.355 mm)	Nom.
3	1.012" (25.705 mm)	Nom.
4	1.262" +.020"/-.010"	(32.055 mm + 0.5 mm / -0.25 mm)

### CABLE DATA:

1	Cable Weight:	802 lb/ 1000 ft	(1194 kg/km)
2	Conductor Weight:	448 lb/ 1000 ft	(667 kg/km)
3	Conductor Operating Temperature:	75° C	
4	D.C. Resistance @ 20°C:	0.036 ohms/1000 ft.	(0.1181 ohms/km)
5	Conductor Breaking Strength:	8360 lbs (3792 kg)	(38 kN)
6	Normal Ampacity:	561 Amps	*
7	Emergency Ampacity:	708 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