



1 2 3 4

46 kV AERIAL CABLE
477 KCM AAC (242mm²) 75° C BLACK

CONSTRUCTION:

1	477 KCM (242mm 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	0.722" (18.339 mm)	Nom.
2	0.762" (19.355 mm)	Nom.
3	1.212" (30.785 mm)	Nom.
4	1.562" +.020"/-.010"	(39.675 mm + 0.5 mm / -0.25 mm)

CABLE DATA:

1	Cable Weight:	1073 lb/ 1000 ft	(1596 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:	532 Amps	*
7	Emergency Ampacity:	676 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