



46 kV AERIAL CABLE
3/0 AWG AAC (85mm²) 75° C BLACK

CONSTRUCTION:

1	3/0 AWG (85mm ²) 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	0.423" (10.744 mm)	Nom.
2	0.453" (11.506 mm)	Nom.
3	0.903" (22.936 mm)	Nom.
4	1.253" +.020"/-.010"	(31.826 mm + 0.5 mm / -0.25 mm)

CABLE DATA:

1	Cable Weight:	611 lb/ 1000 ft	(909 kg/km)
2	Conductor Weight:	157 lb/ 1000 ft	(234 kg/km)
3	Conductor Operating Temperature:	75° C	
4	D.C. Resistance @ 20°C:	0.103 ohms/1000 ft.	(0.3379 ohms/km)
5	Conductor Breaking Strength:	3040 lbs (1379 kg)	(14 kN)
6	Normal Ampacity:	283 Amps	*
7	Emergency Ampacity:	356 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