



1 2 3 4

35 kV TREE PROOF AERIAL CABLE
4/0 AWG ALLOY 6201-T81 (107mm²) 75° C BLACK

CONSTRUCTION:

1	4/0 AWG (107mm ²) 7 Strand Regular Round Alloy 6201-T81	
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	0.563" (14.300 mm)	Nom.
2	0.593" (15.062 mm)	Nom.
3	0.943" (23.952 mm)	Nom.
4	1.193" +.020"/-.010"	(30.302 mm + 0.5 mm / -0.25 mm)

CABLE DATA:

1	Cable Weight:	615 lb/ 1000 ft	(915 kg/km)
2	Conductor Weight:	232 lb/ 1000 ft	(346 kg/km)
3	Conductor Operating Temperature:	75° C	
4	D.C. Resistance @ 20°C:	0.0816 ohms/1000 ft.	(0.2677 ohms/km)
5	Resistance Temperature Coefficient:	0.00347/° C (AL Alloy 6201-T81)	
6	Conductor Breaking Strength:	8475 lbs (3844 kg)	(38 kN)
7	Normal Ampacity:	348 Amps	*
8	Emergency Ampacity:	439 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