



35 kV TREE PROOF AERIAL CABLE
3/0 AWG ALLOY 6201-T81 (85mm²) 75° C BLACK

CONSTRUCTION:

1	3/0 AWG (85mm 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	0.502"	(12.751 mm)	Nom.
2	0.532"	(13.513 mm)	Nom.
3	0.882"	(22.403 mm)	Nom.
4	1.132"	+0.020"/ -0.010"	(28.753 mm + 0.5 mm / -0.25 mm)

CABLE DATA:

1	Cable Weight:	538 lb/ 1000 ft	(800 kg/km)
2	Conductor Weight:	184 lb/ 1000 ft	(274 kg/km)
3	Conductor Operating Temperature:	75° C	
4	D.C. Resistance @ 20°C:	0.1030 ohms/1000 ft.	(0.3379 ohms/km)
5	Resistance Temperature Coefficient:	0.00347/° C (AL Alloy 6201-T81)	
6	Conductor Breaking Strength:	6715 lbs (3046 kg)	(30 kN)
7	Normal Ampacity:	303 Amps	*
8	Emergency Ampacity:	381 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