



35 kV TREE PROOF AERIAL CABLE  
1/0 AWG ALLOY 6201-T81 (54mm<sup>2</sup>) 75° C BLACK

### CONSTRUCTION:

1	1/0 AWG (54mm <sup>2</sup> ) 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	0.398"	(10.109 mm)	Nom.
2	0.428"	(10.871 mm)	Nom.
3	0.778"	(19.761 mm)	Nom.
4	1.028"	+0.020"/ -0.010"	(26.111 mm + 0.5 mm / -0.25 mm)

### CABLE DATA:

1	Cable Weight:	421 lb/ 1000 ft	(626 kg/km)
2	Conductor Weight:	116 lb/ 1000 ft	(173 kg/km)
3	Conductor Operating Temperature:	75° C	
4	D.C. Resistance @ 20°C:	0.1640 ohms/1000 ft.	(0.5381 ohms/km)
5	Resistance Temperature Coefficient:	0.00347/° C (AL Alloy 6201-T81)	
6	Conductor Breaking Strength:	4415 lbs (2003 kg)	(20 kN)
7	Normal Ampacity:	229 Amps	*
8	Emergency Ampacity:	287 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