



25 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	0.125" (3.175 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	0.678" (17.221 mm)	Nom.
4	0.928" +.020"/-.010"	(23.571 mm + 0.5 mm / -0.25 mm)

### CABLE DATA:

1	Cable Weight:	358 lb/ 1000 ft	(533 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:	233 Amps	*
8	Emergency Ampacity:	291 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