



15 kV TREE PROOF AERIAL CABLE  
3/0 AWG ALLOY AL-7 (85mm<sup>2</sup>) 75° C BLACK

### CONSTRUCTION:

1	3/0 AWG (85mm <sup>2</sup> ) 7 Strand Regular Round Alloy AL-7		
2	0.015"	(0.381 mm)	Black Semiconducting Thermoplastic Polyethylene
3	0.075"	(1.905 mm)	Natural Low Density Thermoplastic Polyethylene (HMWPE)
4	0.075"	(1.905 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	0.682"	(17.323 mm)	Nom.
4	0.832"	+0.020"/ -0.010"	(21.133 mm + 0.5 mm / -0.25 mm)

### CABLE DATA:

1	Cable Weight:	349 lb/ 1000 ft	(519 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:	0.0036/° C (Alloy AL-7)	
6	Conductor Breaking Strength:	6715 lbs (3046 kg)	(30 kN)
7	Normal Ampacity:	334 Amps	*
8	Emergency Ampacity:	418 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