



35 kV TREE PROOF AERIAL CABLE
2/0 AWG ACSR (67mm²) 75° C BLACK

CONSTRUCTION:

1	2/0 AWG (67mm ²) 6/1 Strand Regular Round ACSR Aluminum Conductor, Steel Reinforced	
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	0.447" (11.354 mm)	Nom.
2	0.477" (12.116 mm)	Nom.
3	0.827" (21.006 mm)	Nom.
4	1.077" (+.020"/-.010")	(27.356 mm + 0.5 mm / -0.25 mm)

CABLE DATA:

1	Cable Weight:	511 lb/ 1000 ft	(760 kg/km)
2	Conductor Weight:	183 lb/ 1000 ft	(273 kg/km)
3	Conductor Operating Temperature:	75° C	
4	D.C. Resistance @ 20°C:	0.1270 ohms/1000 ft.	(0.4167 ohms/km)
5	Resistance Temperature Coefficient:	0.00404/° C (Aluminum 1350-H19); 0.0032/° C (Steel)	
6	Conductor Breaking Strength:	5300 lbs (2404 kg)	(24 kN)
7	Normal Ampacity:	263 Amps	*
8	Emergency Ampacity:	330 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