



15 kV TREE PROOF AERIAL CABLE
477 KCM ACSR (242mm²) 90° C BLACK

CONSTRUCTION:

1	477 KCM (242mm ²) 18/1 Strand Regular Round ACSR Aluminum Conductor, Steel Reinforced
2	0.020" (0.508 mm) Black Semiconducting Thermoplastic Polyethylene
3	0.075" (1.905 mm) Natural High Density Thermoplastic Polyethylene
4	0.075" (1.905 mm) Black Track and UV Resistant High Density Thermoplastic Polyethylene

DIAMETERS:

1	0.814" (20.676 mm)	Nom.
2	0.854" (21.692 mm)	Nom.
3	1.004" (25.502 mm)	Nom.
4	1.154" +.020"/-.010"	(29.312 mm + 0.5 mm / -0.25 mm)

CABLE DATA:

1	Cable Weight:	773 lb/ 1000 ft	(1150 kg/km)
2	Conductor Weight:	518 lb/ 1000 ft	(771 kg/km)
3	Conductor Operating Temperature:	90° C	
4	D.C. Resistance @ 20°C:	0.0360 ohms/1000 ft.	(0.1181 ohms/km)
5	Resistance Temperature Coefficient:	0.00404/° C (Aluminum 1350-H19); 0.0032/° C (Steel)	
6	Conductor Breaking Strength:	11800 lbs (5352 kg)	(52 kN)
7	Normal Ampacity:	702 Amps	*
8	Emergency Ampacity:	810 Amps	**

*90°C Conductor, 25°C Ambient, 2 ft/sec. (0.61 m/s) Wind, Sun

**110°C Conductor, 25°C Ambient, 2 ft/sec. Wind, Sun