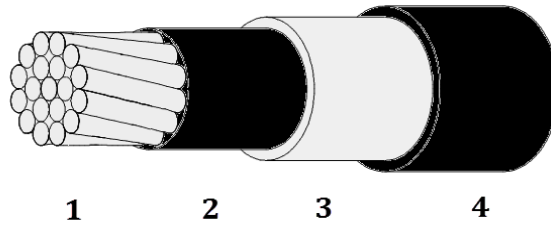


T0477RR25B3-00 PELICAN

Specification Sheet



25 kV TREE PROOF AERIAL CABLE
477 KCM ACSR (242mm²) 75° 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	0.125" (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	0.814" (20.676 mm)	Nom.
2	0.854" (21.692 mm)	Nom.
3	1.104" (28.042 mm)	Nom.
4	1.354" +.020"/-.010"	(34.392 mm + 0.5 mm / -0.25 mm)

CABLE DATA:

1	Cable Weight:	927 lb/ 1000 ft	(1379 kg/km)
2	Conductor Weight:	518 lb/ 1000 ft	(771 kg/km)
3	Conductor Operating Temperature:	75° C	
4	D.C. Resistance @ 20°C:	0.036 ohms/1000 ft.	(0.1181 ohms/km)
5	Conductor Breaking Strength:	11800 lbs (5352 kg)	(53 kN)
6	Normal Ampacity:	577 Amps	*
7	Emergency Ampacity:	730 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