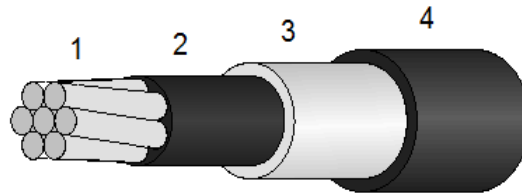


T0040RR35B3-00 PENGUIN

Specification Sheet



35 kV TREE PROOF AERIAL CABLE
4/0 AWG ACSR (107mm²) 75° C BLACK

CONSTRUCTION:

1	4/0 AWG (107mm 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	0.563" (14.300 mm)	Nom.
2	0.593" (15.062 mm)	Nom.
3	0.943" (23.952 mm)	Nom.
4	1.193" +.020"/-.010"	(30.302 mm + 0.5 mm / -0.25 mm)

CABLE DATA:

1	Cable Weight:	672 lb/ 1000 ft	(999 kg/km)
2	Conductor Weight:	291 lb/ 1000 ft	(434 kg/km)
3	Conductor Operating Temperature:	75° C	
4	D.C. Resistance @ 20°C:	0.080 ohms/1000 ft.	(0.2608 ohms/km)
5	Conductor Breaking Strength:	8350 lbs (3787 kg)	(38 kN)
6	Normal Ampacity:	348 Amps *	
7	Emergency Ampacity:	439 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