



**1            2            3            4**  
**69 kV AERIAL CABLE**  
**556.5 KCM AAC (282mm<sup>2</sup>) 75° C GRAY**

### CONSTRUCTION:

1	556.5 KCM (282mm <sup>2</sup> ) 19 Strand Compact Round AAC All-Aluminum 1350-H19 Conductor
2	0.020" (0.508 mm) Black Semiconducting Thermoplastic Polyethylene
3	0.250" (6.350 mm) Natural Low Density Thermoplastic Polyethylene (HMWPE)
4	0.250" (6.350 mm) Gray Track and UV Resistant High Density Thermoplastic Polyethylene

### DIAMETERS:

1	0.780" (19.812 mm)	Nom.
2	0.820" (20.828 mm)	Nom.
3	1.320" (33.528 mm)	Nom.
4	1.820" +.020"/-.010"	(46.228 mm + 0.5 mm / -0.25 mm)

### CABLE DATA:

1	Cable Weight:	1407 lb/ 1000 ft	(2093 kg/km)
2	Conductor Weight:	522 lb/ 1000 ft	(777 kg/km)
3	Conductor Operating Temperature:	75° C	
4	D.C. Resistance @ 20°C:	0.031 ohms/1000 ft.	(0.1017 ohms/km)
5	Resistance Temperature Coefficient:	0.00404/° C (Aluminum 1350-H19)	
6	Conductor Breaking Strength:	9750 lbs (4423 kg)	(44 kN)
7	Normal Ampacity:	588 Amps	*
8	Emergency Ampacity:	726 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