



25 kV AERIAL CABLE  
1/0 AWG AAC (54mm<sup>2</sup>) 75° C BLACK

### CONSTRUCTION:

|   |   |
|---|---|
| 1 | 1/0 AWG (54mm <sup>2</sup> ) 7 Strand Compact Round AAC All-Aluminum 1350-H19 Conductor |
| 2 | 0.015" (0.381 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 | 0.336" (8.534 mm)    | Nom.                            |
| 2 | 0.366" (9.296 mm)    | Nom.                            |
| 3 | 0.616" (15.646 mm)   | Nom.                            |
| 4 | 0.866" +.020"/-.010" | (21.996 mm + 0.5 mm / -0.25 mm) |

### CABLE DATA:

|   |                                  |                     |                  |
|---|----------------------------------|---------------------|------------------|
| 1 | Cable Weight:                    | 310 lb/ 1000 ft     | (461 kg/km)      |
| 2 | Conductor Weight:                | 100 lb/ 1000 ft     | (148 kg/km)      |
| 3 | Conductor Operating Temperature: | 75° C               |                  |
| 4 | D.C. Resistance @ 20°C:          | 0.164 ohms/1000 ft. | (0.5381 ohms/km) |
| 5 | Conductor Breaking Strength:     | 1990 lbs (903 kg)   | (9 kN)           |
| 6 | Normal Ampacity:                 | 225 Amps            | *                |
| 7 | Emergency Ampacity:              | 281 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