



1 2 3 4

46 kV AERIAL CABLE  
795 KCM AAC (403mm<sup>2</sup>) 75° C BLACK

## CONSTRUCTION:

|   |                                                                                           |
|---|-------------------------------------------------------------------------------------------|
| 1 | 795 KCM (403mm <sup>2</sup> ) 37 Strand Compact Round AAC All-Aluminum 1350-H19 Conductor |
| 2 | 0.020" (0.508 mm) Black Semiconducting Thermoplastic Polyethylene                         |
| 3 | 0.225" (5.715 mm) Natural Low Density Thermoplastic Polyethylene (HMWPE)                  |
| 4 | 0.175" (4.445 mm) Black Track and UV Resistant High Density Thermoplastic Polyethylene    |

## DIAMETERS:

|   |                      |                                 |
|---|----------------------|---------------------------------|
| 1 | 0.932" (23.673 mm)   | Nom.                            |
| 2 | 0.972" (24.689 mm)   | Nom.                            |
| 3 | 1.422" (36.119 mm)   | Nom.                            |
| 4 | 1.772" +.020"/-.010" | (45.009 mm + 0.5 mm / -0.25 mm) |

## CABLE DATA:

|   |                                  |                     |                  |
|---|----------------------------------|---------------------|------------------|
| 1 | Cable Weight:                    | 1487 lb/ 1000 ft    | (2212 kg/km)     |
| 2 | Conductor Weight:                | 746 lb/ 1000 ft     | (1111 kg/km)     |
| 3 | Conductor Operating Temperature: | 75° C               |                  |
| 4 | D.C. Resistance @ 20°C:          | 0.022 ohms/1000 ft. | (0.0722 ohms/km) |
| 5 | Conductor Breaking Strength:     | 13700 lbs (6214 kg) | (61 kN)          |
| 6 | Normal Ampacity:                 | 725 Amps *          |                  |
| 7 | Emergency Ampacity:              | 925 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