



1 2 3 4
25 kV TREE PROOF AERIAL CABLE
266.8 KCM ACSR (135mm²) 75° C BLACK

CONSTRUCTION:

| | |
|---|---|
| 1 | 266.8 KCM (135mm ²) 18/1 Strand Regular Round ACSR Aluminum Conductor, Steel Reinforced |
| 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 | 0.609" (15.469 mm) | Nom. |
| 2 | 0.639" (16.231 mm) | Nom. |
| 3 | 0.889" (22.581 mm) | Nom. |
| 4 | 1.139" +.020"/-.010" | (28.931 mm + 0.5 mm / -0.25 mm) |

CABLE DATA:

| | | | |
|---|-------------------------------------|---|------------------|
| 1 | Cable Weight: | 610 lb/ 1000 ft | (908 kg/km) |
| 2 | Conductor Weight: | 290 lb/ 1000 ft | (432 kg/km) |
| 3 | Conductor Operating Temperature: | 75° C | |
| 4 | D.C. Resistance @ 20°C: | 0.0644 ohms/1000 ft. | (0.2113 ohms/km) |
| 5 | Resistance Temperature Coefficient: | 0.00404/° C (Aluminum 1350-H19); 0.0032/° C (Steel) | |
| 6 | Conductor Breaking Strength: | 6880 lbs (3121 kg) | (31 kN) |
| 7 | Normal Ampacity: | 405 Amps | * |
| 8 | Emergency Ampacity: | 510 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