

## **ACCC/TW**

*(Aluminium Conductor Composite Core / Trapezoidal Wires)*

### **Standard Specification :**

ASTM B 857 / B 609

Manufacturer specification

Cross Sectional Area :

160 – 690 mm<sup>2</sup>

### **Application :**

ACCC/TW is mainly used as bare overhead transmission cable. It is also suitable for laying across basins, rivers and valleys where special geographical features exist.

### **Features :**

The new generation, highly energy efficient and Cool Conductor ACCC/TW is a concentrically stranded conductor with one or more layers of trapezoidal shaped annealed 1350-0 aluminium wires on a central core of light weight Carbon-Glass fiber composite. The ACCC Conductor uses a carbon fiber core that is 25% stronger and 60% lighter than a traditional steel core. This along with trapezoidal shaped aluminium strands help to increase the aluminium content in ACCC by over 28% without increasing the conductor's overall diameter or weight.

ACCC is designed to operate continuously at elevated temperatures and has excellent sag characteristics through out the operating range. ACCC is the right choice if reconductoring of the existing lines are required to enhance the transmission capacity. This conductor offers very low line losses and excellent self-damping properties. Because of its high strength to weight ratio,

ACCC can be used with long spans which brings down the cost of structures in new lines.

### **Special features :**

- highly energy efficient and Cool
- excellent strength to weight ratio
- high current carrying capacity
- excellent sag characteristics
- low wind and ice loading parameters

### **Standard Packing**

All cable supplied in semi wooden steel drum @ 2400 m and 3600 m

Length Tolerance per drum  $\pm 2\%$