

ACSS/TW--Aluminum Conductor Steel Supported-Trapezoidal Wire

APPLICATION:

ACSS/TW used for overhead distribution and transmission lines.

It is designed to operate continuously at elevated temperatures up to 250°C without loss of strength, it sags less under emergency electrical loading than ACSR/TW, it has excellent self-damping properties, and its final sags are not affected by long-term creep of aluminum.

ACSS/TW also provides many design possibilities in new line construction: i.e., reduced tower cost, decreased sag, increased self-damping properties, increased operating temperature and improved corrosion resistance.

CONSTRUCTION:

ACSS/TW is a composite concentric-lay-stranded conductor. Steel strands form the central core of the conductor with one or more layers of 63% minimum average conductivity aluminum 1350-0 wire stranded around it. High strength steel core, aluminized, and aluminum clad steel core are also available.

