



EnergyCore

ADVANCED **COMPOSITE CARBON**
CORE FOR HTLS CONDUCTOR



Manufactured in India for the first time

We are Indore Composite

At its roots Indore is a company that is consistently driven by innovation, constantly growing at a steady pace by combining its knowledge, technology and the talented individuals it has on hand, this has made Indore well known for its innovative products in cable protection solutions and engineering plastic.

Established in 1994, Indore is well equipped with 4 plants, including 1 plant in Morocco. Through the years Indore has become known for its innovative products, consistent quality, solution driven approach and reliability across the world.



Being an environmentally conscious organization, Indore is focused on sustainability and has discovered applications and usability for 95% of the scrap generated, either within or outside the organization.

Advance Composite Lab

Indore has a fully equipped state-of-the-art composite testing laboratory, located at Ambarnath, India, accredited by the **National Accreditation Board for Testing and Calibration Laboratories** requirements.

- The facility is managed by a team of highly trained and qualified professionals.
- The lab is capable of providing complete testing on composite core based on international standards.

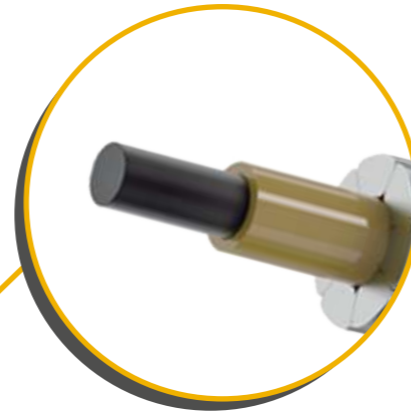


Introducing The EnergyCore

The EnergyCore is the latest invention by Indore's experienced R&D team, which will fulfill the needs of future efficient, sustainable transmission and distribution infrastructure.

It is an advanced composite carbon fiber core that has been specially designed for HTLS conductors (High Temperature Low Sag). It is manufactured by the pultrusion process using special carbon fibers and a proprietary high temperature resin system that ensures the highest performance over a long period of time.

The EnergyCore is covered with an electrically insulating glass fiber layer, which increases the core performance and flexibility, in addition to protecting the aluminum strands from galvanic corrosion.



Characteristics of HTLS conductor EnergyCore Reinforced

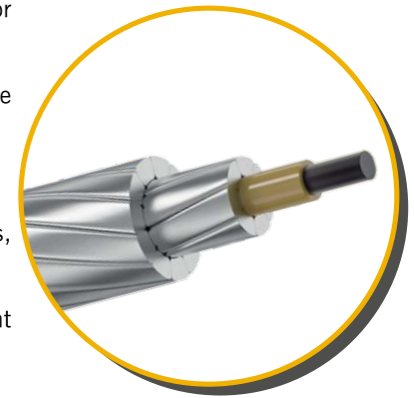
The key features of the EnergyCore make it perfect for High Temperature Low Sag (HTLS) conductors for power transmission and distribution.

High tensile strength and the lightweight of the core accommodates more aluminum and allows more power flow through the conductor.

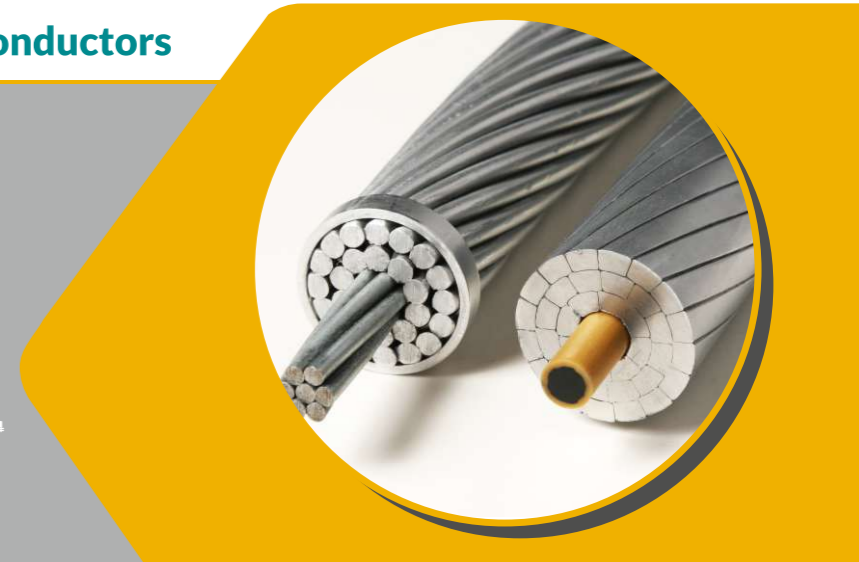
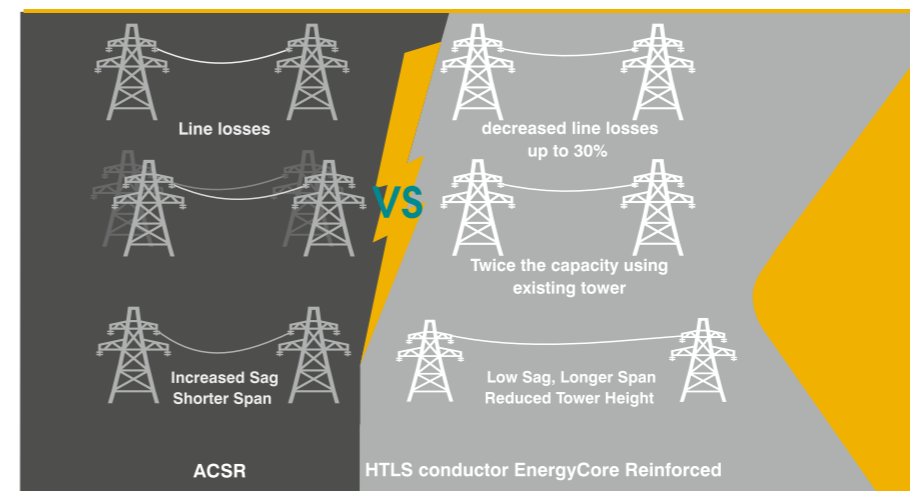
Low linear expansion results in reduced thermal sag, decreasing the risk of sag-trip outages and vibration.

Being non-corrosive the EnergyCore resists environmental degradation under severe weather conditions, such as ice and wind load events, it is able to resist failures due to its greater strength.

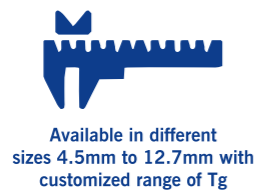
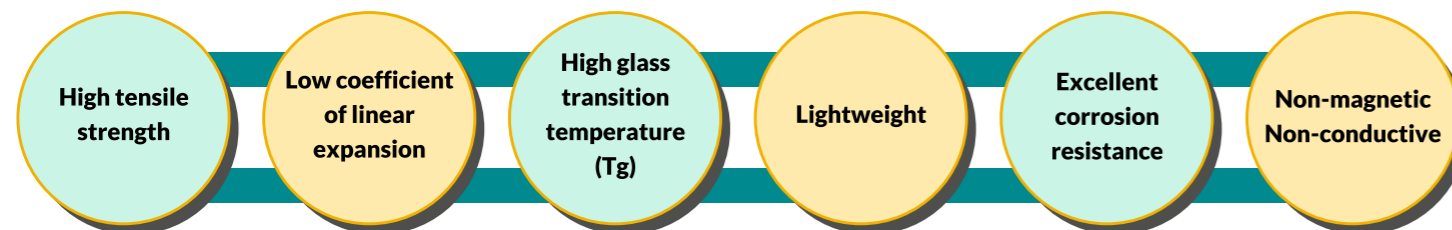
The EnergyCore is compatible with all types of aluminum and its alloys eg. AZR, super thermal resistant aluminum alloy etc.



Comparison to conventional ACSR conductors



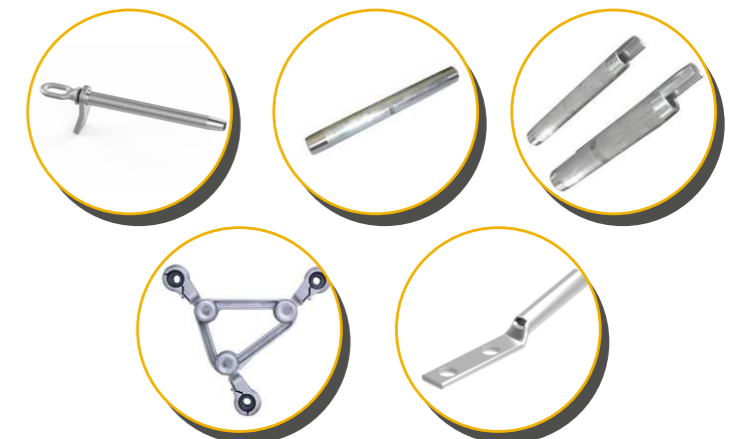
Features of The EnergyCore



Indore's Accessory Offerings

HTLS conductors are installed using special accessories and associated hardware fittings designed and supplied by Indore.

- Dead ends
- Joints
- Repair sleeves
- Jumper connectors
- Terminal connectors



Our Complete Solutions

Indore offers a complete package to its customers



EnergyCore - High temperature carbon core



Conductor design and manufacturing assistance



Hardware and fittings



Installation support and guidelines

Indore Composite is ISO 9001 Certified.

Global Reach



Manufacturing Plant
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