



Essex Energy

GLOBAL PARTNER IN
POWER TRANSFORMERS

CONTINUOUSLY TRANSPOSED CONDUCTOR
FLAT ENAMELLED WIRE
FLAT WRAPPED WIRE
SPECIAL FLAT INSULATED WIRE

Global Leadership Local Partnerships

Essex Energy and its parent company Superior Essex is the leading, global provider of magnet wire that is used by most major original equipment manufacturers (OEMs) and leaders in the energy, automotive, industrial, commercial, and residential sectors. We have facilities on three continents, and operate our business to act globally and serve locally.

We produce a broad range of Flat Wire technology that helps bridge current technology with the future through innovation. Customers can select the product in enameled, wrapped, or insulated flat wire as well as in gauge or metric, to meet international standards.

Our facility in Quattordio, Italy, has specialized in the manufacturing of continuously transposed conductor (CTC) for over 50 years, making it a leader in the industry. CTC products are a markedly better alternative to other, conventional conductor options. We are setting the pace on sustainability by focusing on innovation and verification through transparency. It is our goal to develop systems that can combine connectivity, interoperability, and scalability while respecting the world around it.



Innovating the Future of Magnet Wire



CONTINUOUSLY TRANSPOSED CONDUCTOR

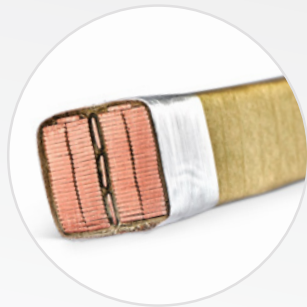
CTC offers reduced electrical losses, improved mechanical strength, and shortening winding time compared to conventional rectangular wire

SPECIALTY CTC

Improved efficiency can be achieved by reducing enamel thickness and combining builds with other wraps such as Netting CTC, Twin CTC, and Cordex®

FLAT WRAPPED WIRE

Full range of paper wrapped wire in various constructions and insulation materials for transformers and other electrical equipment



FLAT ENAMELLED WIRE

Innovative new materials allow for greater product windability and endurance

PREMIUM FLAT INSULATED WIRE

Premium insulation materials such as Aramide paper, Polyimide, polyester film, and Mica



For more information please contact your sales representative

Essex Energy

Leading Innovation

Answering the demands of disruptive technology, our Innovations teams and Research and Development are leading the industry, finding solutions to the next generation of issues. Bring us your challenges and together we will bridge the gap to a better future.



Performance based product development



All round and rectangular wire types produced in Europe, North America, and Asia



Products meet all specifications for IEC, NEMA, JIS, and EN



Products come in standard, oxygen-free copper, silver alloyed and high conductivity options

Speak With An Expert

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